

**Proyecto reforma cottolengo edificios San Bosco y Macarena**

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**DISEÑO II**

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## 1. DESCRIPCIÓN DEL PROYECTO

El proyecto de renovación y elevación en el Cottolengo busca transformar los edificios existentes en un espacio revitalizado, funcional y seguro que cumpla con las normas colombianas vigentes. La visión abarca la construcción de un piso adicional y la reforma estructural de la cimentación para mejorar la estabilidad y la durabilidad de las instalaciones. La renovación se centrará en proporcionar a los residentes un entorno digno y cómodo. El nuevo piso se diseñará considerando las necesidades específicas de los residentes, asegurando accesibilidad y adaptabilidad para mejorar su calidad de vida. El diseño estructural cumplirá rigurosamente con todas las especificaciones de la norma colombiana. Se llevarán a cabo análisis detallados para garantizar la seguridad sísmica, la resistencia estructural y otros aspectos esenciales, asegurando que el edificio cumpla con los más altos estándares de construcción.

Sistema constructivo:	Muros de mampostería	
Resistencia del concreto:	24.5	MPa
Resistencia del acero:	420	MPa
Resistencia mampostería:	10	MPa
Zona de amenaza sísmica:	Alta (5)	
Programa de diseño:	ETABS	
Profundidad de desplante:	1.65	m
Peso unitario suelo	17.6	kN/m <sup>3</sup>

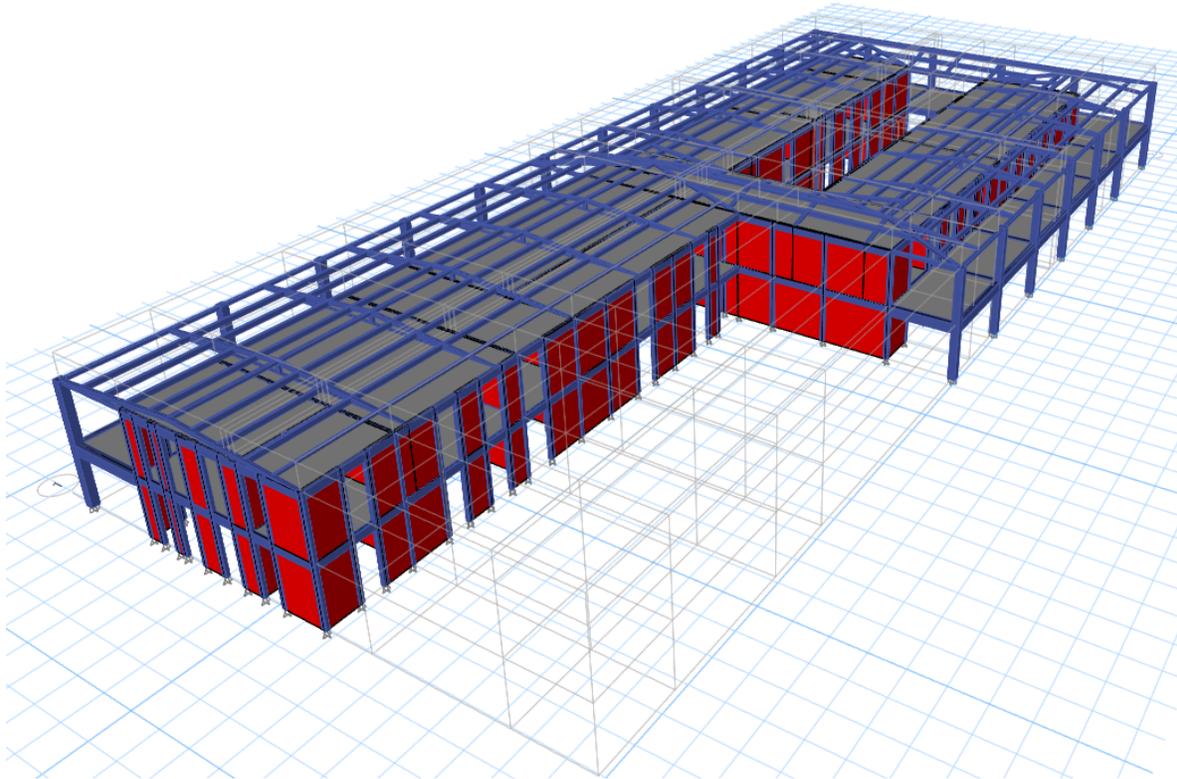


### Estructural Bloque 19

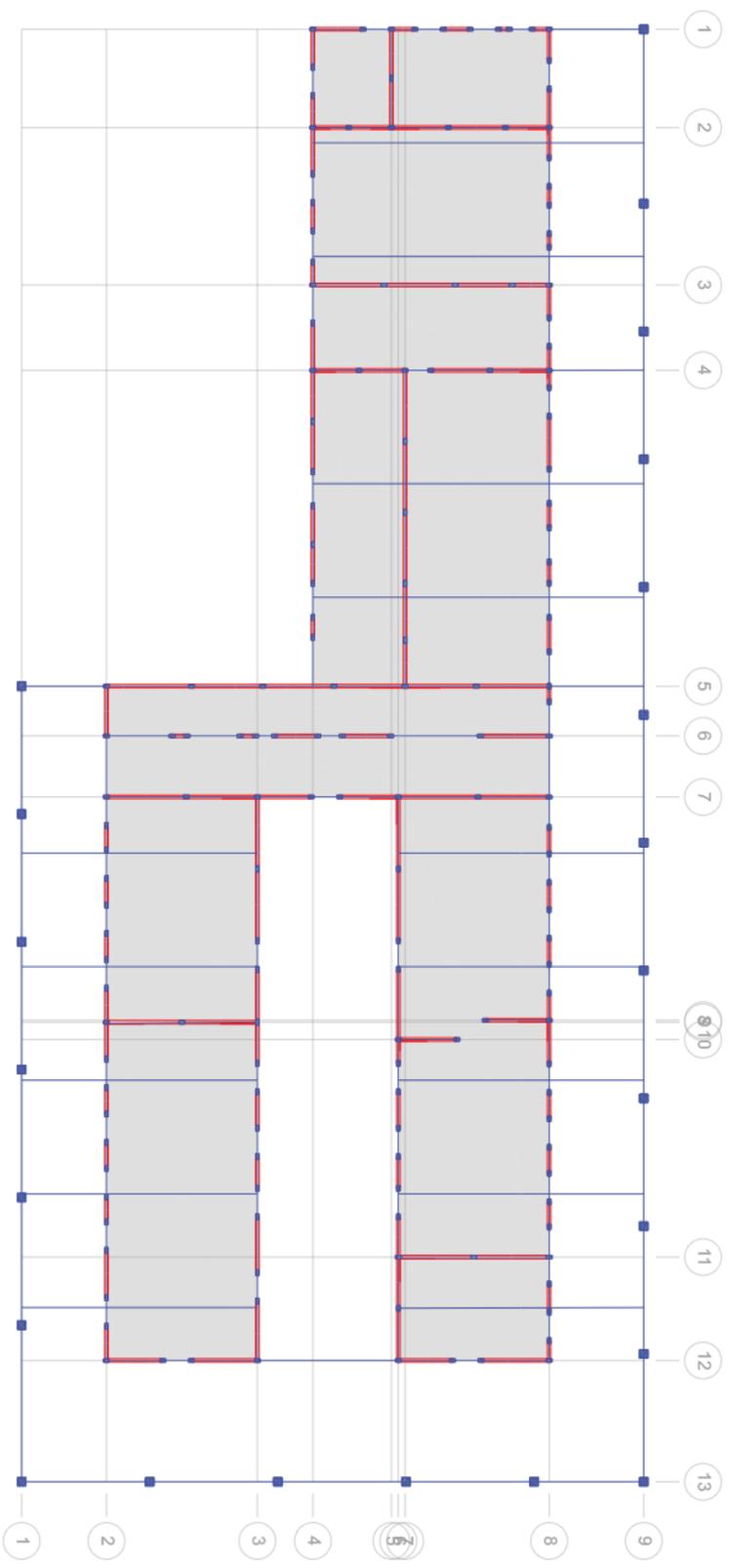
#### Ficha Técnica

Largo	29 cms
Ancho	12 cms
Alto	19 cms
Rendimiento	18 mts <sup>2</sup>
Peso	6,5 Kg

## 2. ESQUEMAS

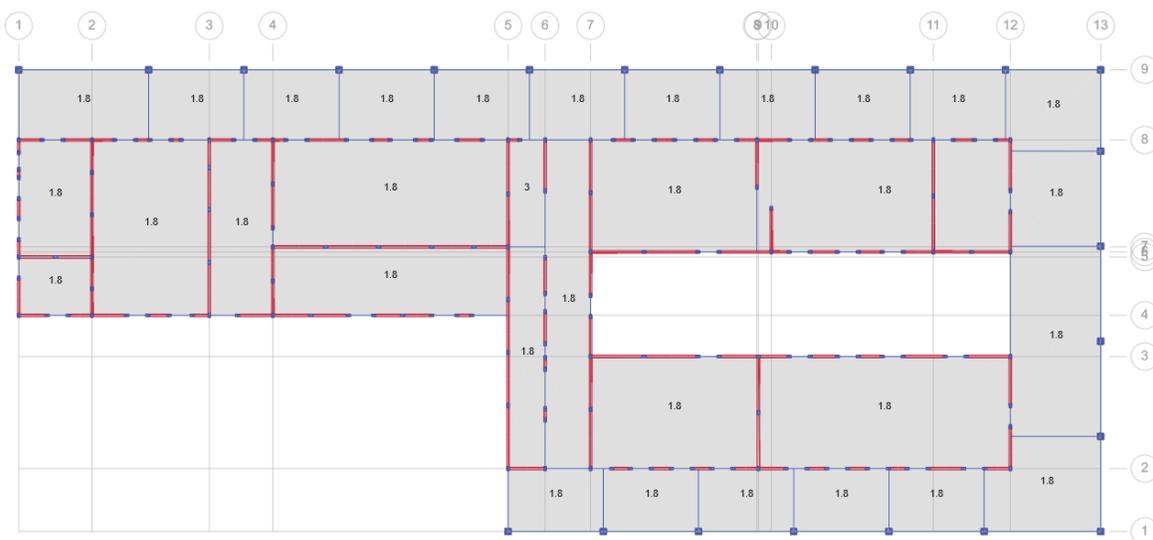
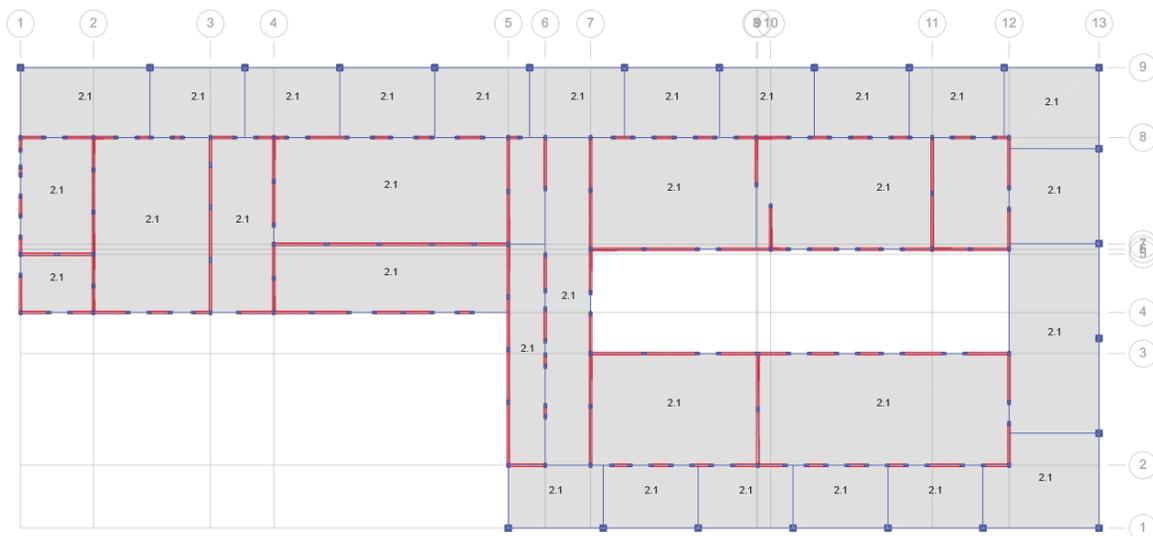






### 3. AVALÚO DE CARGAS

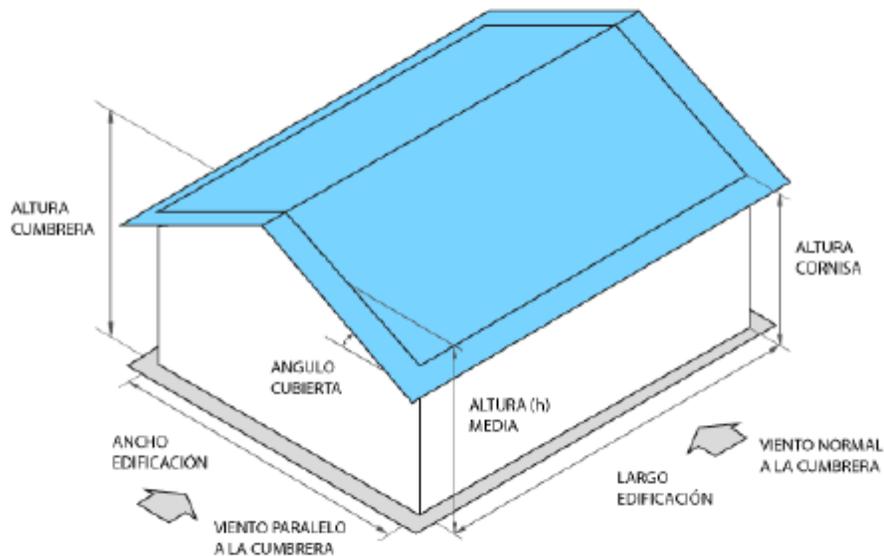
Avalúo de Cargas Sobreimpuestas (Entrepiso)		
<b>Carga Muerta</b>		
Nivelación	1.10	kN/m <sup>2</sup>
Pisos	0.60	kN/m <sup>2</sup>
Redes y ductos	0.25	kN/m <sup>2</sup>
Acabados panel yeso	0.15	kN/m <sup>2</sup>
<b>Carga Muerta Sobreimpuesta</b>	<b>2.10</b>	<b>kN/m<sup>2</sup></b>
<b>Carga Viva</b>		
Residencial	1.80	kN/m <sup>2</sup>



## REPORTE DE COMPONENTES Y ELEMENTOS DE REVESTIMIENTO

### DATOS DE ENTRADA

### ESQUEMA DE LA ESTRUCTURA



#### PROPIEDADES DE LA ESTRUCTURA

Altura de la cornisa (m)	5.00
Altura de la cumbrera (m)	6.00
Ancho de la edificación (m)	11.60
Largo de la edificación (m)	51.00
Tipo de cubierta	Dos aguas

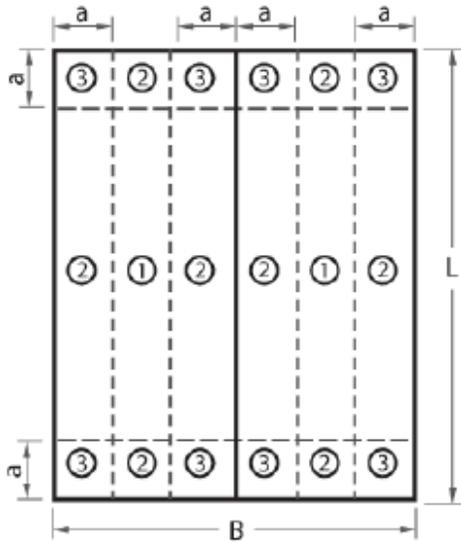
#### PARAMETROS DE DISEÑO

Velocidad (m/s)	35.00
Tipo de edificación	Cerrada
Exposición	B
Ocupación	I

Región propensa a huracanes?	NO
Factor topográfico	1.0000

#### ZONA DE DISEÑO

Zona a diseñar	3
Area efectiva (m)	4.80
Ancho de la zona para coeficiente de presión (m)	1.16



#### PARAMETROS DE DISEÑO

Inclinación de la cubierta (°)	9.78
Altura media de la cubierta (m)	5.00
Factor de Importancia	0.87
Factor de dirección	0.85
Presión por velocidad a la altura media de la cubierta (kgf/m <sup>2</sup> )	33.22

Las presiones de viento de diseño para componentes y elementos de revestimientos de edificios cerrados y parcialmente cerrados con altura media de la cubierta menor o igual a 18 metros se determinan mediante la ecuación:

$$P_{net} = q_h [(GC_p) - (GC_{pi})] \quad (\text{NSR} - 10 \text{ B. 6.5} - 20)$$

donde:

$q_h$ : Presión por velocidad a la altura media de la cubierta

$GC_p$ : Coeficiente de presión externa tomado de las figuras B.6.5-8A a B.6.5-11B del NSR-10

$GC_{pi}$ : Coeficiente de presión interna tomado de la figura B.6.5-2 del NSR-10

Zonas	$P_{net}(+)$ (kgf/m <sup>2</sup> )	$P_{net}(-)$ (kgf/m <sup>2</sup> )
3	19.38	-79.51

## 4. ANÁLISIS SÍSMICO:

### Metodología de análisis:

Cuando se utilice este método se debe tener en cuenta los siguientes requisitos:

- Obtención de los modos de vibración: Estos modos deben obtenerse usando las metodologías establecidas de dinámica estructural. Deben utilizarse todos los modos de vibración de la estructura que contribuyan de una manera significativa a la respuesta dinámica de esta, cumpliendo los requisitos de A.5.4.2.
- Respuesta espectral modal: La respuesta máxima de cada modo se obtiene utilizando las ordenadas del espectro de diseño definido en A.5.3.2, para el periodo de vibración propio del modo.
- Respuesta total: Las respuestas máximas modales, incluyendo las de deflexiones, derivas, fuerzas en los pisos, cortantes de piso, cortante en la base y fuerzas en los elementos, se combinan de una manera estadística para obtener la respuesta total de la estructura a los movimientos sísmicos de diseño. Deben cumplirse los requisitos de A.5.4.4 en la combinación estadística de las respuestas modales máximas.
- Ajuste de los resultados: Si los resultados de la respuesta total son menores de los valores mínimos prescritos en A.5.4.5, los resultados totales del análisis dinámico deben ser ajustados como se indica allí. El ajuste debe cubrir todos los resultados del análisis dinámico, incluyendo las de deflexiones, derivas, fuerzas en los pisos, cortantes de piso, cortante en la base y fuerzas en los elementos.
- Evaluación de derivas: Las derivas totales obtenidas deben ser verificadas, debidamente ajustadas de acuerdo con los requisitos de A.5.4.5, no excedan los límites establecidos en el capítulo A.6.
- Fuerza de diseño en los elementos: Las fuerzas sísmicas internas totales de los elementos, FS, debidamente ajustadas de acuerdo con los requisitos de A.5.4.5, se dividen por el valor del coeficiente de capacidad de disipación de energía, R del sistema de resistencia sísmica, modificado de acuerdo a la irregularidad u la ausencia de redundancia según lo requisitos de A.3.3.3, para obtener las fuerzas sísmicas reducidas de diseño, E, y se combinan con las otras cargas prescritas por este reglamento, de acuerdo con el título B.
- Diseño de los elementos estructurales: Los elementos estructurales se diseñan y detallan siguiendo los requisitos propios del grado de disipación de energía correspondiente del material, de acuerdo con los requisitos de A.3.

El espectro de carga de diseño permite conocer posibles fuerzas sísmicas que pueden afectar al edificio. Por consiguiente, hay que incorporarlas en el diseño estructural para evitar daños o el colapso de la estructura. El espectro de diseño que se trabajara es el de la norma NSR-10.

Los parámetros sísmicos corresponden a los de Jamundí, el uso destinado es de vivienda, y esta fue construida sobre un suelo D.

A continuación, se muestran las variables necesarias para definir el espectro.

Coeficiente de aceleración horizontal poco efectiva,  $A_a$                     0.25  
 Coeficiente de velocidad horizontal poco efectiva,  $A_v$                     0.25

Las tablas continuación dan los valores de  $F_a$  y  $F_v$  que amplifican las ordenadas del espectro en roca para tener en cuenta los efectos de sitio en el rango de periodos cortos del orden de  $T_0$  y los efectos de sitio en niveles de periodos del orden de 1.0 segundo o más.

**Tabla A.2.4-3**  
**Valores del coeficiente  $F_a$ , para la zona de periodos cortos del espectro**

Tipo de Perfil	Intensidad de los movimientos sísmicos				
	$A_a \leq 0.1$	$A_a = 0.2$	$A_a = 0.3$	$A_a = 0.4$	$A_a \geq 0.5$
<b>A</b>	0.8	0.8	0.8	0.8	0.8
<b>B</b>	1.0	1.0	1.0	1.0	1.0
<b>C</b>	1.2	1.2	1.1	1.0	1.0
<b>D</b>	1.6	1.4	1.2	1.1	1.0
<b>E</b>	2.5	1.7	1.2	0.9	0.9
<b>F</b>	véase nota	véase nota	véase nota	Véase nota	véase nota

**Nota:** Para el perfil tipo **F** debe realizarse una investigación geotécnica particular para el lugar específico y debe llevarse a cabo un análisis de amplificación de onda de acuerdo con A.2.10.

**Tabla A.2.4-4**  
**Valores del coeficiente  $F_v$ , para la zona de periodos intermedios del espectro**

Tipo de Perfil	Intensidad de los movimientos sísmicos				
	$A_v \leq 0.1$	$A_v = 0.2$	$A_v = 0.3$	$A_v = 0.4$	$A_v \geq 0.5$
<b>A</b>	0.8	0.8	0.8	0.8	0.8
<b>B</b>	1.0	1.0	1.0	1.0	1.0
<b>C</b>	1.7	1.6	1.5	1.4	1.3
<b>D</b>	2.4	2.0	1.8	1.6	1.5
<b>E</b>	3.5	3.2	2.8	2.4	2.4
<b>F</b>	véase nota	véase nota	véase nota	Véase nota	véase nota

**Nota:** Para el perfil tipo **F** debe realizarse una investigación geotécnica particular para el lugar específico y debe llevarse a cabo un análisis de amplificación de onda de acuerdo con A.2.10.

Conociendo el tipo de perfil del suelo (Tipo D), y teniendo los coeficientes de velocidad y aceleración, se obtiene:

Coeficiente de amplificación que afecta la aceleración en la zona de periodos cortos, debida a los efectos de sitio,  $F_a$  1.3

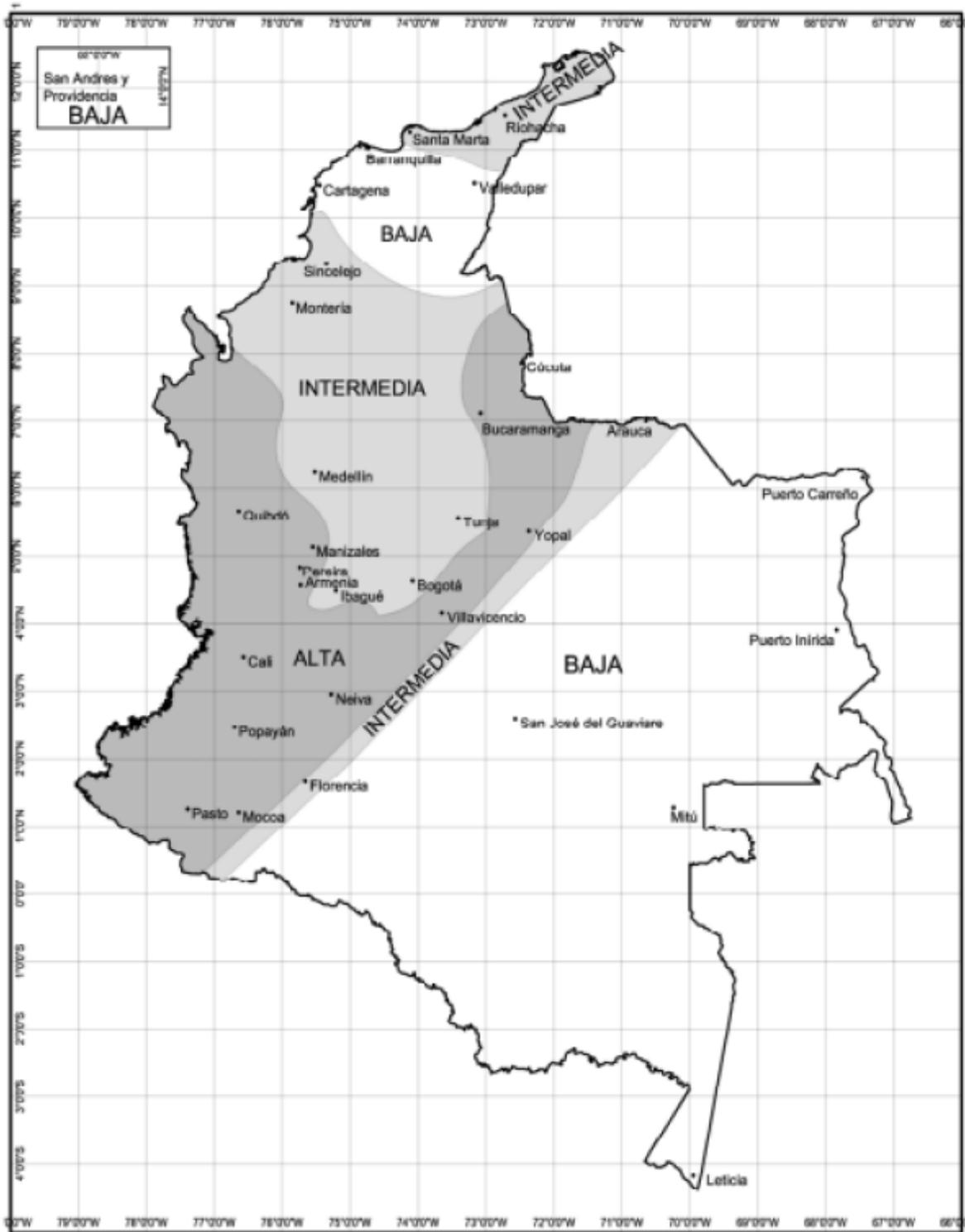
Coeficiente de amplificación que afecta la aceleración en la zona de periodos intermedios, debida a los efectos de sitio,  $F_v$  1.9

Coeficiente de importancia corresponde al grupo I para estructuras de ocupación normal, edificaciones destinadas a vivienda unifamiliar o multifamiliar.

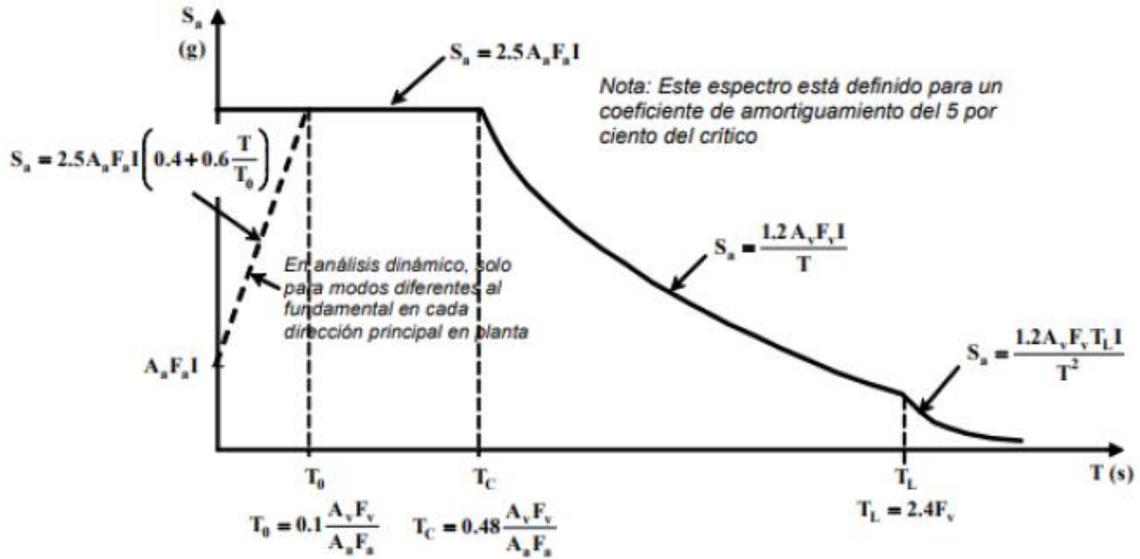
Los valores de I se dan en la tabla A.2.5-1 de la norma NSR-10.}

**Tabla A.2.5-1**  
**Valores del coeficiente de importancia, I**

<b>Grupo de Uso</b>	<b>Coeficiente de Importancia, I</b>
IV	1.50
III	1.25
II	1.10
I	1.00





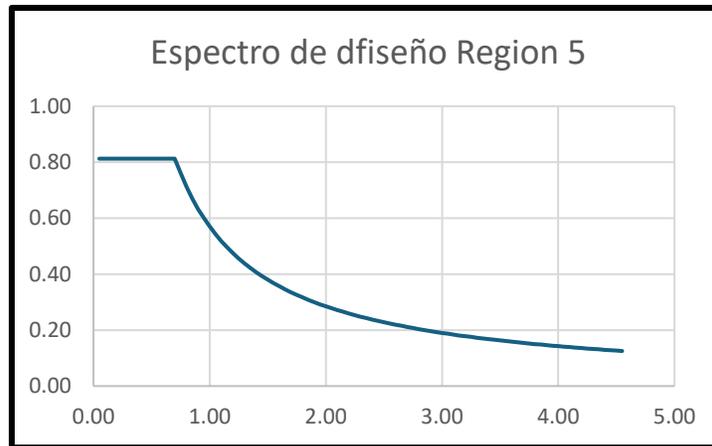


Coeficientes sísmicos	
Region	5
Coeficiente de aceleración (Aa)	0.25
Coeficiente de velocidad (Av)	0.25
Coeficiente de amplificación (Fa)	1.3
Coeficiente de amplificación (Fv)	1.9
Grupo de uso (I)	1

Tc	0.7
TL	2
T (seg)	Sa
0.05	0.81
0.10	0.81
0.15	0.81
0.20	0.81
0.25	0.81
0.30	0.81
0.35	0.81
0.40	0.81
0.45	0.81
0.50	0.81
0.55	0.81
0.60	0.81
0.65	0.81

0.70	0.81
0.75	0.76
0.80	0.71
0.85	0.67
0.90	0.63
0.95	0.60
1.00	0.57
1.05	0.54
1.10	0.52
1.15	0.50
1.20	0.48
1.25	0.46
1.30	0.44
1.35	0.42
1.40	0.41
1.45	0.39
1.50	0.38
1.55	0.37
1.60	0.36
1.65	0.35
1.70	0.34
1.75	0.33
1.80	0.32
1.85	0.31
1.90	0.30
1.95	0.29
2.00	0.29
2.05	0.28
2.10	0.27
2.15	0.27
2.20	0.26
2.25	0.25
2.30	0.25
2.35	0.24
2.40	0.24
2.45	0.23
2.50	0.23
2.55	0.22
2.60	0.22
2.65	0.22
2.70	0.21

2.75	0.21
2.80	0.20
2.85	0.20
2.90	0.20
2.95	0.19
3.00	0.19
3.05	0.19
3.10	0.18
3.15	0.18
3.20	0.18
3.25	0.18
3.30	0.17
3.35	0.17
3.40	0.17
3.45	0.17
3.50	0.16
3.55	0.16
3.60	0.16
3.65	0.16
3.70	0.15
3.75	0.15
3.80	0.15
3.85	0.15
3.90	0.15
3.95	0.14
4.00	0.14
4.05	0.14
4.10	0.14
4.15	0.14
4.20	0.14
4.25	0.13
4.30	0.13
4.35	0.13
4.40	0.13
4.45	0.13
4.50	0.13
4.55	0.13



Deben incluirse en el análisis dinámico todos los modos de vibración que contribuyan de una manera significativa a la respuesta dinámica de la estructura. Se considera que se ha cumplido este requisito cuando se demuestra que, con el número de modos empleados,  $p$ , se ha incluido en el cálculo de la respuesta, de cada una de las direcciones horizontales de análisis,  $j$ , por lo menos el 90 por ciento de la masa participante de la estructura. La masa participante,  $M_j$ , en cada una de las direcciones de análisis,  $j$ , para el número de modos empleados,  $p$ , se determina por medio de las siguientes expresiones:

$$\bar{M}_j = \sum_{m=1}^p \bar{M}_{mj} \geq 0.90 M \quad (A.5.4-1)$$

$$\bar{M}_{mj} = \frac{\left( \sum_{i=1}^n m_i \phi_{ij}^m \right)^2}{\sum_{i=1}^n m_i \left( \phi_{ij}^m \right)^2} \quad (A.5.4-2)$$

Porcentajes de participación modal								
Caso	Modo	Periodo	UX	UY	UZ	SumUX	SumUY	SumUZ
		sec						
Modal	1	0,1	0,1282	0,0019	0	0,1282	0,0019	0
Modal	2	0,092	0,1997	0,0011	0	0,3279	0,003	0
Modal	3	0,066	0,1219	0,0251	0	0,4498	0,0281	0
Modal	4	0,058	0,3812	0,0444	0	0,831	0,0725	0
Modal	5	0,056	0,0014	0,0004	0	0,8324	0,073	0
Modal	6	0,054	0,0404	0,0199	0	0,8728	0,0929	0
Modal	7	0,05	0,0139	0,0039	0	0,8867	0,0968	0
Modal	8	0,047	0,0000	0,0652	0	0,8867	0,162	0
Modal	9	0,046	0,0011	0,5669	0	0,8878	0,729	0
Modal	10	0,043	0,0014	0,0082	0	0,8892	0,7371	0
Modal	11	0,04	0,0015	0,0237	0	0,8907	0,7608	0
Modal	12	0,037	0,0172	0,0417	0	0,9079	0,8025	0
Modal	13	0,03	0,0035	0,0004	0	0,9113	0,8029	0
Modal	14	0,029	0,0001	0,0416	0	0,9114	0,8445	0
Modal	15	0,027	0,0016	0,0002	0	0,913	0,8447	0
Modal	16	0,027	0,0003	0,0142	0	0,9134	0,8589	0
Modal	17	0,026	0,004	0,0038	0	0,9173	0,8628	0
Modal	18	0,025	0,0022	0,0258	0	0,9195	0,8886	0
Modal	19	0,024	0,0001	0,0103	0	0,9196	0,8989	0
Modal	20	0,023	0,0031	0,0007	0	0,9228	0,8996	0
Modal	21	0,022	0,0004	0,0077	0	0,9232	0,9074	0
Modal	22	0,022	0,0002	0,002	0	0,9234	0,9094	0
Modal	23	0,022	0,0028	0,0058	0	0,9262	0,9152	0
Modal	24	0,021	0,0125	0,0257	0	0,9387	0,9408	0
Modal	25	0,02	0,02	0,0387	0	0,9587	0,9796	0

El valor del periodo fundamenta aproximado  $T_a$  puede ser obtenido por medio de la ecuación A.4.2 3. Este valor de  $T_a$  es un estimativo razonable del período estructural para predecir las fuerzas a aplicar sobre la estructura con el fin de dimensionar su sistema de resistencia sísmica. El valor de periodo es:

$$T_a = C_t h^\alpha \quad (\text{A.4.2-3})$$

El valor de del periodo fundamental no puede exceder  $C_u \cdot T_a$ , donde  $C_u$  se calcula por medio de la ecuación A.4.2-2 y  $T_a$  se calcula con la anterior ecuación.

$$C_u = 1.75 - 1.2 A_v F_v \quad (\text{A.4.2-2}) \quad \text{pero } C_u \text{ no debe ser menor de 1.2.}$$

Con el valor de  $T_a$  modificado se procede a encontrar el valor de  $S_a$  para determinar la fuerza horizontal equivalente en la base, con la cual se deben ajustar las cortantes basales determinadas por el análisis modal dinámico. Los cálculos para obtener el periodo máximo aproximado (de acuerdo con numeral A.4.2.2 de la NSR-10), la aceleración espectral y la cortante basal ajustada, de acuerdo con la FHE, se presentan en las siguientes tablas. Las fuerzas en la base, determinadas a partir del modelo teórico, son:

TABLE: Base Reactions		
Output Case	FX	FY
	kN	kN
Dead	0	0
Live	0	0
SismoX	4217.8853	478.0411
SismoY	478.0421	3279.9656

Carga gravitacional o peso ( $M, g$ ): Es el efecto vertical de la aceleración debida a la gravedad sobre la masa,  $M$ , de la edificación.  $M$  debe ser igual a la masa de la estructura de más la masa de los elementos tales como muros divisorios y particiones, equipos permanentes, tanques, y sus contenidos, etc. En depósitos y bodegas debe incluirse además un 25 por ciento de la masa que produce la carga viva. Método de fuerza horizontal equivalente según capítulo A.4.

A.4.2.1 El valor de  $T$  no puede no puede exceder  $T_a \cdot C_u$ , donde  $C_u$  se calcula por medio de la ecuación A.4.2-2 y  $T_a$  se calcula de acuerdo con A.4.2-3.

$$C_u = 1.75 - 1.2 A_v F_v \quad (\text{A.4.2-2})$$

$$T_a = C_t h^\alpha \quad (\text{A.4.2-3})$$

A.4.3.1 El valor de  $S_a$  en la ecuación anterior corresponde al valor de la aceleración, como fracción de la gravedad, leída en el espectro definido en A.2.6 para el periodo  $T$  de la edificación.

Fuerza Horizontal Equivalente	
Wcm [kN]	7515.76
Wcv [kN]	1736.7919
Wcm+0.25Wcv	7949.96
Altura total [m]	5
Ct	0.049
$\alpha$	0.75
Ta	0.16
Cu	1.18
Ta Max [seg]	0.19
Sa [%g]	0.81
Vb [kN]	6459.34
V'b [kN]	5813.41
Vb (Sx) [kN]	4217.89
Vb (Sy) [kN]	3279.97
Fcorrección X	1.38
Fcorrección Y	1.77

## 5. DERIVAS:

La deriva máxima para cualquier piso debe obtenerse así:

**Edificaciones Regulares e Irregulares:** Edificaciones que no tengan irregularidades en planta de los tipos 1aP o 1bP (véase la tabla A.3-6), o edificaciones con diafragma flexible, la deriva máxima para el piso  $i$ ,  $\Delta_{\max}$ , corresponde a la mayor deriva de las dos direcciones principales en planta,  $j$ , calculada como el valor absoluto de la diferencia algebraica de los desplazamientos horizontales del centro de masa del diafragma del piso  $i$ ,  $\delta_{cm, j}$ , en la dirección principal en planta bajo estudio con respecto a los del diafragma del piso inmediatamente inferior ( $i-1$ ) en la misma dirección, incluyendo los efectos P-Delta.

**Edificaciones con Irregularidades en Planta:** En edificaciones que tengan irregularidades en planta de los tipos 1aP o 1bP (véase la tabla A.36) la deriva máxima en cualquier punto del piso  $i$ , se puede obtener como la diferencia entre los desplazamientos horizontales totales máximos, de acuerdo con A.6.2.4, del punto en el piso  $i$  y los desplazamientos horizontales totales máximos de un punto localizado en el mismo eje vertical en el piso inmediatamente inferior ( $i-1$ ), por medio de la siguiente ecuación:

$$\Delta_{\max}^i = \sqrt{\sum_{j=1}^2 (\delta_{\text{tot},j}^i - \delta_{\text{tot},j}^{i-1})^2} \quad (\text{A.6.3-1})$$

Alternativamente se pueden usar procedimientos para estimar respuestas máximas de cantidades vectoriales. El cumplimiento del cálculo de la deriva para cualquier punto del piso se puede realizar verificándola solamente en todos los ejes verticales de columna y en los puntos localizados en los bordes de los muros estructurales. La máxima deriva del piso  $i$ ,  $\Delta_{\max}$ , corresponde a la máxima deriva que se obtenga de todos los puntos así estudiados dentro del mismo piso  $i$ .

**Irregularidades en Pisos Superiores de Edificaciones:** Los pisos superiores de edificaciones que cumplen las condiciones (a) a (e) presentadas a continuación, se permite calcular la deriva máxima del piso de la forma alternativa que se obtiene con la expresión A.6.3-2 indicada en esta sección.

- La edificación tiene diez o más pisos de altura sobre su base.
- El procedimiento alternativo solo es aplicable en los pisos superiores localizados por encima de dos tercios de la altura de la edificación medida desde su base.
- El sistema estructural de resistencia sísmica es diferente a pórtico resistente a momento.

- d) La edificación se clasifica como regular tanto en planta como en altura de acuerdo con los requisitos del Capítulo A.3.
- e) El índice de estabilidad,  $Q_i$ , es menor de 0.10 en todos los pisos donde sería aplicable este procedimiento alternativo.

La máxima deriva del piso  $i$ ,  $\Delta_{max}$ , en el procedimiento alternativo corresponde a la máxima deriva de las dos direcciones principales en planta,  $j$ , calculada por medio de la siguiente ecuación:

$$\Delta_j^i = \delta_{cm,j}^i - 0.5 \left( \frac{(\delta_{cm,j}^{i-1} - \delta_{cm,j}^{i-2})(h_p^i + h_p^{i-1})}{h_p^{i-1}} + \delta_{cm,j}^{i-2} \right) - 0.5\delta_{cm,j}^{i-1} \quad (\text{A.6.3-2})$$

A continuación, se establecen los límites de deriva de acuerdo con la tabla A.6.4-1 del reglamento NSR-10.

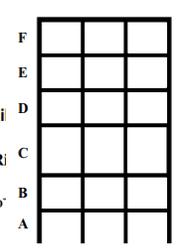
**Deriva Máxima:** deriva máxima para cualquier piso determinada de acuerdo con el procedimiento de A.6.3.1, no puede exceder los límites establecidos en la tabla A.6.4-1, en la cual la deriva máxima se expresa como un porcentaje de la altura de piso  $h_{pi}$ :

Estructuras de:	Deriva máxima
concreto reforzado, metálicas, de madera, y de mampostería que cumplen los requisitos de A.6.4.2.2	1.0% $(\Delta_{max}^i \leq 0.010 h_{pi})$
de mampostería que cumplen los requisitos de A.6.4.2.3	0.5% $(\Delta_{max}^i \leq 0.005 h_{pi})$

TABLE: Story Drifts				
Story	Output Case	Case Type	Direction	Drift
Story2	Sx Derivas	LinRespSpec	X	0.002245
Story2	Sx Derivas	LinRespSpec	Y	0.000629
Story2	Sy Derivas	LinRespSpec	X	0.002003
Story2	Sy Derivas	LinRespSpec	Y	0.001885
Story1	Sx Derivas	LinRespSpec	X	0.000309
Story1	Sx Derivas	LinRespSpec	Y	0.000199
Story1	Sy Derivas	LinRespSpec	X	0.000395
Story1	Sy Derivas	LinRespSpec	Y	0.00057

## 6. IRREGULARIDADES:

### Irregularidades en altura:

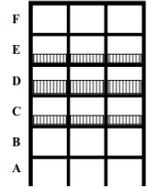
PISO FLEXIBLE [1A]		$\phi = 1$
<b>Rigidez de entepiso X</b>		
Story	Output Case	Stiff
Story2	Sismo X Ajustado	<b>505737.339</b>
Story1	Sismo X Ajustado	<b>11839267.2</b>
<b>Rigidez de entepiso Y</b>		
Story	Output Case	Stiff
Story2	Sismo Y Ajustado	<b>659961.449</b>
Story1	Sismo Y Ajustado	<b>7075520.48</b>
<b>Sismo en X</b>		
Piso	Cambio	
2	-	
1	2341%	Rigido
<b>Sismo en Y</b>		
Piso	Cambio	
2	-	
1	1072%	Rigido
<p><b>Tipo 1aA — Piso flexible</b>  <math>\phi_a = 0.9</math>  <math>0.60 \text{ Rigidez } K_D \leq \text{Rigidez } K_C &lt; 0.70 \text{ Rigidez } K_D</math>  <math>0.70 (K_D + K_E + K_F) / 3 \leq \text{Rigidez } K_C &lt; 0.80 (K_D + K_E + K_F) / 3</math></p>		<p><b>Tipo 1bA — Piso flexi</b>  <math>\phi_a = 0.8</math>  <math>\text{Rigidez } K_C &lt; 0.60 \text{ Ri}</math>  <math>\text{Rigidez } K_C &lt; 0.70 (K_D</math></p>
		

Distribución de masas [2A]  $\phi = 0.9$

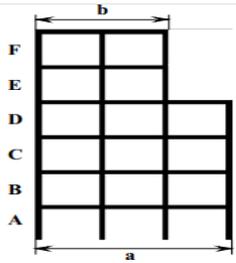
Peso de pisos		
Story	P [Ton]	Chequeo
Story2	2124.7583	Cumple
Story1	6212.3122	Irregular

Tipo 2A — Distribución masa —  $\phi_a = 0.9$

$$\begin{aligned} m_D &> 1.50 m_E \\ 0 \\ m_D &> 1.50 m_C \end{aligned}$$



Geométrica [3A]  $\phi = 1$

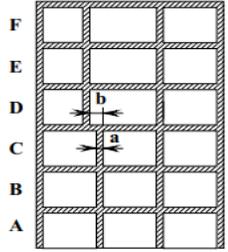


Tipo 3A — Geométrica —  $\phi_a = 0.9$

$$a > 1.30 b$$

Chequeo
No aplica

Desplazamientos dentro del plano de acción [4A]  $\phi = 1$

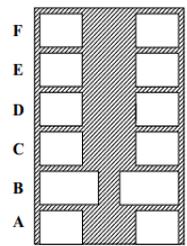


Tipo 4A — Desplazamiento dentro del plano de acción —  $\phi_a = 0.8$

$$b > a$$

Chequeo
No aplica

Discontinuidad en la resistencia [5A]  $\phi = 1$



Tipo 5aA — Piso débil  
 $\phi_a = 0.9$

$$0.65 \text{ Resist. Piso C} \leq \text{Resist. Piso B} < 0.80 \text{ Resist. Piso C}$$

Tipo 5bA — Piso débil extremo  
 $\phi_a = 0.8$

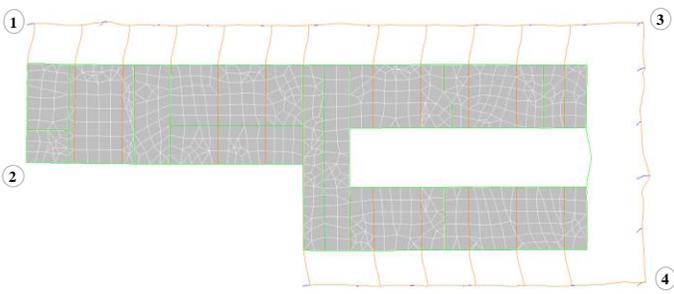
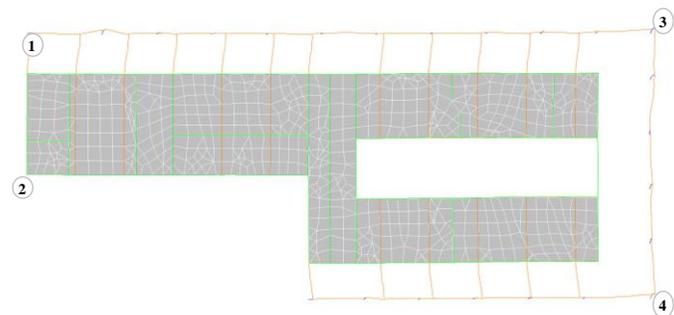
$$\text{Resistencia Piso B} < 0.65 \text{ Resistencia Piso C}$$

Chequeo
No aplica

# Irregularidades en planta:

Chequeo torsional [1P] ϕ = 0.8

Sismo en X [Piso 4]		
Nudo	dx [cm]	dy [cm]
1	3.836	0.95
2	0.4335	0.768
3	3.348	1.327
4	4.22	1.652
Nodos	Dirección X	Chequeo
1-2	4.3104	<b>Cumple</b>
3-4	2.7921	<b>Torsión</b>
Nodos	Dirección Y	Chequeo
1-3	1.3662	<b>Cumple</b>
2-4	1.4520	<b>Torsión</b>

**Tipo 1aP — Irregularidad torsional**  
ϕ<sub>p</sub> = 0.9

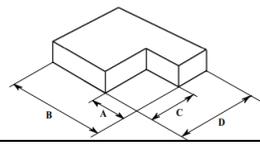
$$1.4 \left( \frac{\Delta_1 + \Delta_2}{2} \right) \geq \Delta_1 > 1.2 \left( \frac{\Delta_1 + \Delta_2}{2} \right)$$

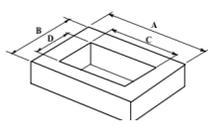
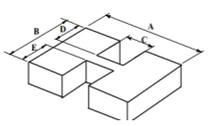
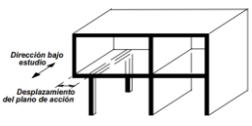
Sismo en Y [Piso 4]		
Nudo	dx [cm]	dy [cm]
1	3.919	1.224
2	0.109	0.958
3	4.11	4.775
4	4.832	4.894
Nodos	Dirección X	Chequeo
1-2	2.4168	<b>Torsión</b>
3-4	5.3634	<b>Cumple</b>
Nodos	Dirección Y	Chequeo
1-3	1.3092	<b>Cumple</b>
2-4	5.8014	<b>Cumple</b>

ϕ = 0.9

	Dimension	Chequeo
A [m]	23.13	<b>Irregular</b>
B [m]	51.14	
C [m]	10.23	
D [m]	21.85	

**Tipo 2P — Retrocesos en las esquinas** — ϕ<sub>p</sub> = 0.9  
A > 0.15B y C > 0.15D



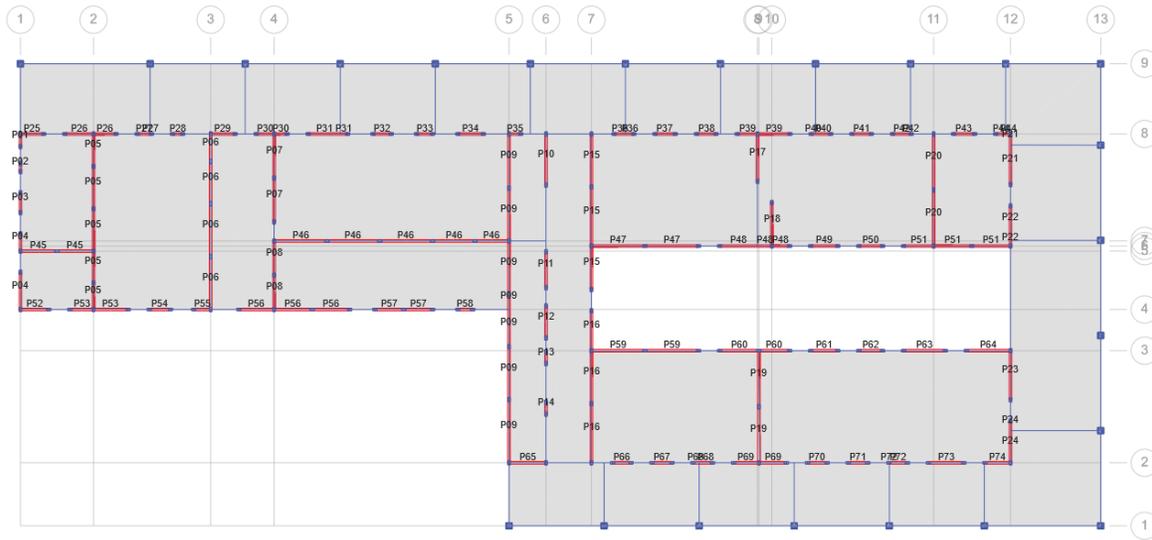
<p style="text-align: center;">Discontinuidades en el diafragma [3P] <span style="float: right;">ϕ = 1</span></p> <p style="text-align: center;"><b>Tipo 3P — Irregularidad del diafragma</b> — ϕ<sub>p</sub> = 0.9</p> <p>1) C × D &gt; 0.5A × B      2) (C × D + C × E) &gt; 0.5A × B</p> <div style="display: flex; justify-content: space-around;">   </div> <table border="1" style="margin-left: auto; margin-right: auto; margin-top: 10px;"> <thead> <tr> <th colspan="2">Áreas [m<sup>2</sup>]</th> <th>Chequeo</th> </tr> </thead> <tbody> <tr><td>Vacios</td><td>98.2</td><td rowspan="2" style="text-align: center;"><b>Cumple</b></td></tr> <tr><td>Losa</td><td>880.8</td></tr> </tbody> </table>	Áreas [m <sup>2</sup> ]		Chequeo	Vacios	98.2	<b>Cumple</b>	Losa	880.8	<p style="text-align: center;">Desplazamientos del plano de acción [4P] <span style="float: right;">ϕ = 1</span></p> <p><b>Tipo 4P — Desplazamiento de los planos de Acción</b> — ϕ<sub>p</sub> = 0.8</p> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <table border="1" style="border-collapse: collapse;"> <tr><td style="padding: 2px;">Chequeo</td></tr> <tr><td style="padding: 2px;">No aplica</td></tr> </table> </div> </div> <p style="text-align: center; margin-top: 10px;"><b>Sistemas no paralelos [5P] <span style="float: right;">ϕ = 1</span></b></p> <p><b>Tipo 5P — Sistemas no paralelos</b> — ϕ<sub>p</sub> = 0.9</p> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <table border="1" style="border-collapse: collapse;"> <tr><td style="padding: 2px;">Chequeo</td></tr> <tr><td style="padding: 2px;">No aplica</td></tr> </table> </div> </div>	Chequeo	No aplica	Chequeo	No aplica
Áreas [m <sup>2</sup> ]		Chequeo											
Vacios	98.2	<b>Cumple</b>											
Losa	880.8												
Chequeo													
No aplica													
Chequeo													
No aplica													

## 7. COMBINACIONES DE CARGA:

A continuación, se presentan las combinaciones de carga para el diseño siguiendo con lo dispuesta en la norma NSR10 titulo B, donde D va a ser la Carga muerta L la carga viva W la carga de viento Ex y Ey que son las cargas de sísmicas reducidas por el factor R presentes en los ejes respectivos.

1.  $1.4D$
2.  $1.2D + 1.6L$
3.  $1.2D + 1.6L + 1 W$
4.  $0.9D + 1W$
5.  $1.2D + 1L + 1EX + 0.3EY$
6.  $1.2D + 1L + 1EX - 0.3EY$
7.  $1.2D + 1L - 1EX + 0.3EY$
8.  $1.2D + 1L - 1 EX - 0.3EY$
9.  $1.2D + 1L + 0.3EX + 1EY$
10.  $1.2D + 1L + 0.3EX - 1EY$
11.  $1.2D + 1L - 0.3EX + 1EY$
12.  $1.2D + 1L - 0.3EX - 1EY$
13.  $0.9D + 1EX + 0.3EY$
14.  $0.9D + 1EX - 0.3EY$
15.  $0.9D - 1EX + 0.3EY$
16.  $0.9D - 1EX - 0.3EY$
17.  $0.9D + 0.3EX + 1EY$
18.  $0.9D + 0.3EX - 1EY$
19.  $0.9D - 0.3EX + 1EY$
20.  $0.9D - 0.3EX - 1EY$

## 8. DISEÑO DE MUROS:



**TABLE: Pier Forces**

Story	Pier	Output Case	P	V2	V3	T	M2	M3
Story2	P01	Envolvente	-6.0495	-9.2106	0.0208	-0.0434	0.0523	-11.5584
Story2	P02	Envolvente	-4.0951	-6.8466	0.1149	-0.0152	0.1949	-8.3995
Story2	P03	Envolvente	-8.4145	-8.5743	0.4097	-0.0246	0.7081	-9.6827
Story2	P04	Envolvente	-27.0804	-35.2993	0.1561	0.0138	0.2703	-43.5039
Story2	P05	Envolvente	-94.2769	-32.568975	1.7626	0.1119	3.6204	-184.7571
Story2	P06	Envolvente	-85.9807	-16.948275	-6.1765	0.1301	-4.3864	-106.8137
Story2	P07	Envolvente	-59.9443	-6.688475	0.7284	-0.351	1.4278	-32.2689
Story2	P08	Envolvente	-41.9598	-8.134075	-0.1919	-0.017	-0.2769	-38.0636
Story2	P09	Envolvente	-174.3689	-15.4553333	-0.9076	-19.7834	-1.4077	-361.2474
Story2	P10	Envolvente	-27.8124	-1.21805	-0.2065	-0.1477	-0.2958	-10.4406
Story2	P11	Envolvente	-18.7515	-1.34915	0.0547	-0.0292	0.0793	-8.5704
Story2	P12	Envolvente	-15.6146	-0.96575	0.0422	-0.0379	0.0333	-3.4
Story2	P13	Envolvente	-5.4726	0.052675	-0.0165	-0.0115	-0.0574	0.4952
Story2	P14	Envolvente	-6.032	-0.342425	-0.0263	-0.0129	-0.0925	-2.0355
Story2	P15	Envolvente	-92.2912	-22.158125	0.0746	1.0968	0.8594	-175.8729
Story2	P16	Envolvente	-89.8695	-11.553325	-0.1489	-4.9972	0.6192	-76.6296
Story2	P17	Envolvente	-29.2961	-5.23625	-0.7306	0.0862	-1.4864	-30.114
Story2	P18	Envolvente	-27.4092	-7.896575	0.1434	0.0396	0.3385	-46.7248
Story2	P19	Envolvente	-51.0816	-23.906975	-0.129	-0.1483	-0.1525	-125.5289
Story2	P20	Envolvente	-58.186	-25.9762	-2.0534	-1.4319	-3.8522	-144.0822
Story2	P21	Envolvente	-20.7294	-10.117225	0.4163	0.0424	0.9821	-53.2654
Story2	P22	Envolvente	-27.8109	-6.4682	0.507	-0.354	1.016	-28.4597
Story2	P23	Envolvente	-30.143	-10.27415	-0.2553	-0.0035	-0.3277	-48.887
Story2	P24	Envolvente	-19.2425	-7.93215	0.28	0.0251	0.5967	-36.9943

Story2	P25	Envolvente	-9.7351	-3.838675	-0.088	-0.1208	-0.2174	-18.9353
Story2	P26	Envolvente	-35.489	-7.37875	-0.2082	0.1177	-0.7108	-35.0242
Story2	P27	Envolvente	-7.7704	-1.815075	0.0706	-0.026	0.0057	-8.6763
Story2	P28	Envolvente	-6.8135	-0.7557	0.1754	-0.0025	0.2071	-3.4638
Story2	P29	Envolvente	-13.8233	-1.903925	-0.1183	-0.0371	-0.2773	-8.7427
Story2	P30	Envolvente	-18.5011	-1.739475	-0.1468	0.0035	-0.3148	-5.923
Story2	P31	Envolvente	-20.3321	-3.334075	0.4294	-0.0265	0.4902	-14.2047
Story2	P32	Envolvente	-10.3019	-0.364525	0.6188	-0.0374	1.0128	-0.9372
Story2	P33	Envolvente	-8.3449	-1.0506	0.4801	-0.0065	0.707	-4.596
Story2	P34	Envolvente	-13.8047	-0.0692	0.4047	-0.1833	0.5375	-0.3953
Story2	P35	Envolvente	-8.5595	-0.366725	-0.0446	-0.0343	-0.0827	-1.8274
Story2	P36	Envolvente	-14.3114	-1.1794	0.137	0.0517	0.0433	-6.8745
Story2	P37	Envolvente	-9.6131	-1.050775	0.6237	-0.0263	1.0722	-5.179
Story2	P38	Envolvente	-12.7689	-1.875925	0.457	-0.032	0.66	-8.6825
Story2	P39	Envolvente	-35.7974	-4.67475	0.0759	0.0029	-0.047	-18.7876
Story2	P40	Envolvente	-10.4096	-1.240925	0.1559	0.0024	0.1633	-4.7445
Story2	P41	Envolvente	-11.199	-1.123825	0.5503	-0.0194	0.9149	-4.3023
Story2	P42	Envolvente	-13.4476	-0.718675	0.1116	-0.1631	0.0731	-3.0352
Story2	P43	Envolvente	-20.4965	-1.955025	-0.0811	-0.0179	-0.2896	-8.104
Story2	P44	Envolvente	-8.7361	-2.907775	-0.3168	-0.0438	-0.6111	-15.1292
Story2	P45	Envolvente	-36.4112	-10.912775	-0.2926	-0.1536	-0.4259	-53.0243
Story2	P46	Envolvente	-126.8465	-38.496475	-11.5102	-2.8312	-4.4627	-218.7798
Story2	P47	Envolvente	-62.7916	-17.23285	-11.863	-4.31	-4.9757	-92.6514
Story2	P48	Envolvente	-45.7657	-7.483275	-4.3917	0.9552	-6.4078	-35.1531
Story2	P49	Envolvente	-14.8113	-1.343225	-3.4803	-0.0177	-6.0194	-4.9575
Story2	P50	Envolvente	-14.0704	-1.421175	-3.715	-0.1162	-6.2032	-4.439
Story2	P51	Envolvente	-88.6448	-20.568575	-4.6618	0.2502	-5.6066	-109.8258
Story2	P52	Envolvente	-20.4212	-2.364975	-0.328	-0.0829	-0.5411	-13.3663
Story2	P53	Envolvente	-38.7465	-3.654	-3.7994	-2.0612	-4.5945	-17.5313
Story2	P54	Envolvente	-11.2487	-0.74715	-2.6006	-0.0601	-4.181	-2.6535
Story2	P55	Envolvente	-13.7811	-0.878025	-1.3361	0.0713	-1.4277	-4.4395
Story2	P56	Envolvente	-58.1433	-10.78865	-3.5299	-4.1982	-4.9973	-63.5109
Story2	P57	Envolvente	-30.8743	-3.2141	-3.9461	-0.3044	-5.3701	-12.836
Story2	P58	Envolvente	-7.7311	-0.074775	-1.084	0.0042	-1.4101	-0.859
Story2	P59	Envolvente	-64.2449	-22.386625	5.1647	2.1333	3.0531333	-121.6524
Story2	P60	Envolvente	-51.7581	-9.25575	1.8026	-1.3717	2.8454	-44.8874
Story2	P61	Envolvente	-15.0482	-2.207175	1.7689	-0.1006	3.3798	-8.7963
Story2	P62	Envolvente	-15.4661	-2.676475	1.9922	0.0415	3.7553	-10.724
Story2	P63	Envolvente	-21.9108	-4.303125	2.9295	-0.4529	5.819	-17.7665
Story2	P64	Envolvente	-40.184	-11.545	1.4829	-1.3544	2.3153	-65.5204
Story2	P65	Envolvente	-23.4221	-5.206725	-0.0828	-0.0465	-0.0572	-29.2987

Story2	P66	Envolvente	-13.1529	-1.70565	-1.0898	-0.111	-1.3288	-6.9659
Story2	P67	Envolvente	-9.3646	-1.6429	-1.3837	-0.0143	-2.273	-6.9512
Story2	P68	Envolvente	-12.4227	-2.348075	-0.9258	-0.0944	-1.1573	-9.8206
Story2	P69	Envolvente	-37.2342	-6.451825	-0.9254	-0.073	-0.9819	-31.5961
Story2	P70	Envolvente	-12.0891	-1.7252	-1.6568	-0.0328	-2.5132	-7.2747
Story2	P71	Envolvente	-9.9018	-1.48865	-1.6921	-0.0603	-2.9713	-5.9256
Story2	P72	Envolvente	-11.878	-1.1819	-1.5283	-0.034	-2.161	-4.5125
Story2	P73	Envolvente	-22.6684	-2.984325	-2.8675	-0.0952	-4.5641	-9.6745
Story2	P74	Envolvente	-16.7689	-3.792	-0.4193	-0.0146	-0.3908	-19.7843
Story1	P01	Envolvente	-27.4821	-6.910525	-0.013	-0.0191	-0.0574	-35.1544
Story1	P02	Envolvente	-10.3105	-3.223275	0.0587	-0.0088	0.0023	-16.3482
Story1	P03	Envolvente	-24.0477	-7.72975	0.2152	-0.0186	0.0058	-41.958
Story1	P04	Envolvente	-78.447	-21.5334	0.0069	-0.0219	-0.1038	-124.4409
Story1	P05	Envolvente	-335.591	-46.6759875	1.0524	0.014	-0.2715	-596.5118
Story1	P06	Envolvente	-321.2189	-72.17685	-4.8582	-0.061	-0.3741	-518.7949
Story1	P07	Envolvente	-166.1533	-34.804825	0.3098	-0.4041	-0.1521	-240.2802
Story1	P08	Envolvente	-121.5595	-28.79965	-0.2343	-0.0596	-0.1881	-162.7746
Story1	P09	Envolvente	-469.2542	-44.3693083	-1.2875	-8.8397	-0.8464	-947.0398
Story1	P10	Envolvente	-94.6765	-15.158175	-0.1299	-0.046	-0.0017	-98.0534
Story1	P11	Envolvente	-66.2696	-10.396025	-0.0224	-0.0571	-0.0004	-58.4491
Story1	P12	Envolvente	-46.4209	-8.71345	-0.0371	-0.0588	-0.0007	-48.3431
Story1	P13	Envolvente	-21.0087	-2.46745	-0.0394	-0.0157	-0.0015	-12.6834
Story1	P14	Envolvente	-20.5098	-2.1167	-0.0532	-0.0122	-0.002	-10.9581
Story1	P15	Envolvente	-300.7703	-56.8865	0.1057	0.9671	-0.3287	-487.0277
Story1	P16	Envolvente	-303.3134	-46.15815	0.0982	-2.4421	-0.3446	-519.5313
Story1	P17	Envolvente	-135.657	-26.0492	-0.6634	-0.0112	-0.2669	-170.2079
Story1	P18	Envolvente	-119.569	-26.373425	0.0765	0.0179	-0.1676	-157.6288
Story1	P19	Envolvente	-197.2648	-83.705825	-0.4368	-0.4039	-0.4866	-556.5863
Story1	P20	Envolvente	-230.2311	-85.8262	-1.5788	-0.4831	-0.2591	-622.03
Story1	P21	Envolvente	-136.0895	-42.93425	0.3756	-0.07	0.0699	-261.2784
Story1	P22	Envolvente	-119.0901	-31.977	0.4279	-0.3217	0.2275	-189.3167
Story1	P23	Envolvente	-144.319	-48.8758	-0.2405	-0.0456	-0.2056	-295.9898
Story1	P24	Envolvente	-126.8859	-40.906225	0.1891	-0.0552	0.0316	-239.9875
Story1	P25	Envolvente	-50.0437	-10.1629	-0.2207	-0.0576	-0.1792	-54.7515
Story1	P26	Envolvente	-127.3649	-23.00905	-0.6178	0.0409	-0.3356	-154.5683
Story1	P27	Envolvente	-37.0866	-5.8873	-0.0979	-0.0314	-0.0851	-30.2484
Story1	P28	Envolvente	-23.4547	-3.5802	0.0175	-0.013	0.0009	-18.3138
Story1	P29	Envolvente	-61.5933	-10.79055	-0.2281	-0.0404	-0.1319	-57.3519
Story1	P30	Envolvente	-69.6107	-12.2585	-0.2619	-0.0011	-0.178	-69.6451
Story1	P31	Envolvente	-105.6333	-16.400375	-0.0914	-0.1124	-0.3354	-94.1724
Story1	P32	Envolvente	-46.2568	-6.41975	0.2702	-0.0022	0.0077	-33.925

Story1	P33	Envolvente	-50.3604	-6.01715	0.1574	-0.0367	0.0048	-31.2453
Story1	P34	Envolvente	-57.1353	-8.980625	0.0758	-0.0597	0.0016	-50.2115
Story1	P35	Envolvente	-33.0471	-4.565325	-0.0813	-0.0089	-0.063	-23.2647
Story1	P36	Envolvente	-49.0112	-7.676325	-0.2114	-0.0138	-0.2388	-40.7252
Story1	P37	Envolvente	-52.1742	-8.2693	0.3117	-0.0129	0.0083	-43.8436
Story1	P38	Envolvente	-52.8476	-8.40865	0.1498	-0.0606	0.004	-44.274
Story1	P39	Envolvente	-135.6384	-26.131025	-0.2926	-0.0498	-0.3086	-165.3248
Story1	P40	Envolvente	-55.2422	-8.644275	-0.1109	0.0207	-0.3242	-45.9255
Story1	P41	Envolvente	-47.6441	-8.972725	0.2439	-0.036	0.0064	-47.7947
Story1	P42	Envolvente	-51.1235	-8.497175	-0.0706	-0.0964	-0.0437	-45.3426
Story1	P43	Envolvente	-54.8309	-10.6834	-0.2973	-0.0448	-0.008	-57.9078
Story1	P44	Envolvente	-60.8477	-9.156125	-0.5127	-0.0462	-0.4503	-46.4281
Story1	P45	Envolvente	-118.3106	-25.74825	-0.3692	-0.0739	-0.3237	-159.376
Story1	P46	Envolvente	-474.56	-50.8435125	-5.0673	-0.1972	-0.3563	-727.8987
Story1	P47	Envolvente	-195.34	-50.5925	-6.0745	-3.9231	-0.277	-358.2711
Story1	P48	Envolvente	-150.3064	-29.281425	-1.786	0.3639	-0.3289	-201.3899
Story1	P49	Envolvente	-44.7083	-9.900175	-1.8812	-0.1118	-0.0422	-54.6117
Story1	P50	Envolvente	-43.1814	-8.317775	-1.8745	-0.0002	-0.046	-45.3693
Story1	P51	Envolvente	-297.0802	-56.4488	-1.6798	0.0597	-0.8776	-374.6832
Story1	P52	Envolvente	-63.1643	-4.626575	-0.2524	-0.0683	-0.1565	-26.518
Story1	P53	Envolvente	-109.9381	-12.42975	-1.1016	-0.5648	-0.4184	-85.7122
Story1	P54	Envolvente	-34.125	-3.935025	-1.2137	-0.0033	-0.0324	-21.4293
Story1	P55	Envolvente	-36.4484	-3.7942	-0.2609	0.002	-0.129	-19.7559
Story1	P56	Envolvente	-169.0037	-32.549975	-1.4669	-1.0786	-0.3348	-274.9746
Story1	P57	Envolvente	-78.2841	-16.721275	-1.2209	-0.0166	-0.0033	-113.9948
Story1	P58	Envolvente	-22.4882	-3.6902	-0.2991	-0.0085	-0.0098	-19.4005
Story1	P59	Envolvente	-198.0743	-57.850925	2.7298	1.7285	-0.0313	-413.7357
Story1	P60	Envolvente	-150.9933	-132.6312	0.4802	-0.4115	-0.2748	-238.6787
Story1	P61	Envolvente	-47.893	-45.5702	1.0878	0.0028	0.0244	-63.3002
Story1	P62	Envolvente	-44.6169	-38.2978	1.2109	-0.0282	0.0297	-52.6216
Story1	P63	Envolvente	-76.3549	-74.4409	1.9431	-0.2601	0.031	-115.4563
Story1	P64	Envolvente	-160.9721	-95.7251	0.3533	-0.5666	-0.2995	-138.6444
Story1	P65	Envolvente	-103.8625	-78.3099	-0.1003	-0.0399	-0.1144	-115.7567
Story1	P66	Envolvente	-43.9388	-31.6465	-0.2653	-0.0446	-0.0074	-42.5758
Story1	P67	Envolvente	-49.2622	-37.4281	-0.6702	-0.0363	-0.0182	-50.0528
Story1	P68	Envolvente	-52.064	-34.9805	-0.1204	-0.0417	0.1386	-46.7765
Story1	P69	Envolvente	-139.2238	-113.0557	-0.4579	-0.0652	-0.3047	-183.3589
Story1	P70	Envolvente	-49.8121	-38.435	-0.6886	-0.0646	-0.019	-50.9163
Story1	P71	Envolvente	-47.1583	-36.8636	-0.9396	-0.0277	-0.0261	-49.1313
Story1	P72	Envolvente	-56.3072	-34.1559	-0.5335	-0.0989	0.0467	-45.3716
Story1	P73	Envolvente	-87.7153	-74.7478	-1.3406	0.0117	-0.0247	-109.3967

Story1	P74	Envolvente	-102.9673	-63.1661	-0.2943	-0.0561	-0.3049	-82.5009
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TABLE: Pier Forces								
Story	Pier	Output Case	P	V2	V3	T	M2	M3
			kN	kN	kN	kN-m	kN-m	kN-m
Story2	P01	Comb3	-5.93	-8.6026	0.0476	-0.0434	0.1042	-10.818
Story2	P01	Comb4	-5.93	-8.6026	0.0476	-0.0434	0.1042	-10.818
Story2	P01	Comb5	-5.93	-8.6026	0.0476	-0.0434	0.1042	-10.818
Story2	P01	Comb6	-5.93	-8.6026	0.0476	-0.0434	0.1042	-10.818
Story2	P01	Comb7	-6.0495	-8.3286	0.0517	-0.0414	0.107	-10.3899
Story2	P01	Comb8	-6.0495	-8.3286	0.0517	-0.0414	0.107	-10.3899
Story2	P01	Comb9	-6.0495	-8.3286	0.0517	-0.0414	0.107	-10.3899
Story2	P01	Comb10	-5.2119	-8.1203	0.0422	-0.0399	0.0912	-10.1008
Story2	P01	Comb11	-4.8871	-9.2106	0.0208	-0.0357	0.0523	-11.5584
Story2	P01	Comb12	-4.8871	-9.2106	0.0208	-0.0357	0.0523	-11.5584
Story2	P01	Comb13	-4.8871	-9.2106	0.0208	-0.0357	0.0523	-11.5584
Story2	P01	Comb14	-4.8871	-9.2106	0.0208	-0.0357	0.0523	-11.5584
Story2	P01	Comb15	-5.0067	-8.9366	0.0249	-0.0338	0.0551	-11.1303
Story2	P01	Comb16	-5.0067	-8.9366	0.0249	-0.0338	0.0551	-11.1303
Story2	P01	Comb17	-5.0067	-8.9366	0.0249	-0.0338	0.0551	-11.1303
Story2	P01	Comb18	-5.0067	-8.9366	0.0249	-0.0338	0.0551	-11.1303
Story2	P02	Comb3	-4.0951	-5.3219	0.1949	-0.0152	0.354	-6.4951
Story2	P02	Comb4	-4.0951	-5.3219	0.1949	-0.0152	0.354	-6.4951
Story2	P02	Comb5	-4.0951	-5.3219	0.1949	-0.0152	0.354	-6.4951
Story2	P02	Comb6	-4.0951	-5.3219	0.1949	-0.0152	0.354	-6.4951
Story2	P02	Comb7	-4.0166	-5.8296	0.2	-0.0132	0.3638	-7.1191
Story2	P02	Comb8	-4.0166	-5.8296	0.2	-0.0132	0.3638	-7.1191
Story2	P02	Comb9	-4.0166	-5.8296	0.2	-0.0132	0.3638	-7.1191
Story2	P02	Comb10	-3.5156	-5.9624	0.1721	-0.0129	0.3156	-7.2873
Story2	P02	Comb11	-3.674	-6.3388	0.1149	-0.014	0.1949	-7.7755
Story2	P02	Comb12	-3.674	-6.3388	0.1149	-0.014	0.1949	-7.7755
Story2	P02	Comb13	-3.674	-6.3388	0.1149	-0.014	0.1949	-7.7755
Story2	P02	Comb14	-3.674	-6.3388	0.1149	-0.014	0.1949	-7.7755
Story2	P02	Comb15	-3.5955	-6.8466	0.12	-0.012	0.2047	-8.3995
Story2	P02	Comb16	-3.5955	-6.8466	0.12	-0.012	0.2047	-8.3995
Story2	P02	Comb17	-3.5955	-6.8466	0.12	-0.012	0.2047	-8.3995
Story2	P02	Comb18	-3.5955	-6.8466	0.12	-0.012	0.2047	-8.3995
Story2	P03	Comb3	-7.4253	-6.4623	0.693	-0.0209	1.2693	-7.1943
Story2	P03	Comb4	-7.4253	-6.4623	0.693	-0.0209	1.2693	-7.1943
Story2	P03	Comb5	-7.4253	-6.4623	0.693	-0.0209	1.2693	-7.1943
Story2	P03	Comb6	-7.4253	-6.4623	0.693	-0.0209	1.2693	-7.1943

Story2	P03	Comb7	-7.0651	-7.9445	0.7074	-0.0139	1.2977	-8.8817
Story2	P03	Comb8	-7.0651	-7.9445	0.7074	-0.0139	1.2977	-8.8817
Story2	P03	Comb9	-7.0651	-7.9445	0.7074	-0.0139	1.2977	-8.8817
Story2	P03	Comb10	-5.8631	-8.0348	0.6104	-0.0151	1.1279	-8.9896
Story2	P03	Comb11	-6.2148	-7.0921	0.4097	-0.0246	0.7081	-7.9952
Story2	P03	Comb12	-6.2148	-7.0921	0.4097	-0.0246	0.7081	-7.9952
Story2	P03	Comb13	-6.2148	-7.0921	0.4097	-0.0246	0.7081	-7.9952
Story2	P03	Comb14	-6.2148	-7.0921	0.4097	-0.0246	0.7081	-7.9952
Story2	P03	Comb15	-5.8547	-8.5743	0.424	-0.0176	0.7365	-9.6827
Story2	P03	Comb16	-5.8547	-8.5743	0.424	-0.0176	0.7365	-9.6827
Story2	P03	Comb17	-5.8547	-8.5743	0.424	-0.0176	0.7365	-9.6827
Story2	P03	Comb18	-5.8547	-8.5743	0.424	-0.0176	0.7365	-9.6827
Story2	P04	Comb3	-27.0804	-30.0641	0.3184	0.0776	0.5704	-36.755
Story2	P04	Comb4	-27.0804	-30.0641	0.3184	0.0776	0.5704	-36.755
Story2	P04	Comb5	-27.0804	-30.0641	0.3184	0.0776	0.5704	-36.755
Story2	P04	Comb6	-27.0804	-30.0641	0.3184	0.0776	0.5704	-36.755
Story2	P04	Comb7	-23.8563	-35.2993	0.3449	0.0884	0.6049	-43.5039
Story2	P04	Comb8	-23.8563	-35.2993	0.3449	0.0884	0.6049	-43.5039
Story2	P04	Comb9	-23.8563	-35.2993	0.3449	0.0884	0.6049	-43.5039
Story2	P04	Comb10	-20.381	-34.9838	0.2911	0.0663	0.5146	-42.9845
Story2	P04	Comb11	-21.8629	-25.6103	0.1561	0.0138	0.2703	-29.3045
Story2	P04	Comb12	-21.8629	-25.6103	0.1561	0.0138	0.2703	-29.3045
Story2	P04	Comb13	-21.8629	-25.6103	0.1561	0.0138	0.2703	-29.3045
Story2	P04	Comb14	-21.8629	-25.6103	0.1561	0.0138	0.2703	-29.3045
Story2	P04	Comb15	-18.6388	-30.8455	0.1826	0.0246	0.3048	-36.0534
Story2	P04	Comb16	-18.6388	-30.8455	0.1826	0.0246	0.3048	-36.0534
Story2	P04	Comb17	-18.6388	-30.8455	0.1826	0.0246	0.3048	-36.0534
Story2	P04	Comb18	-18.6388	-30.8455	0.1826	0.0246	0.3048	-36.0534
Story2	P05	Comb3	-94.2769	-99.1376	4.1217	1.4092	7.3308	-127.8265
Story2	P05	Comb4	-94.2769	-99.1376	4.1217	1.4092	7.3308	-127.8265
Story2	P05	Comb5	-94.2769	-99.1376	4.1217	1.4092	7.3308	-127.8265
Story2	P05	Comb6	-94.2769	-99.1376	4.1217	1.4092	7.3308	-127.8265
Story2	P05	Comb7	-89.0949	-128.4397	4.2545	1.4479	7.5421	-172.0952
Story2	P05	Comb8	-89.0949	-128.4397	4.2545	1.4479	7.5421	-172.0952
Story2	P05	Comb9	-89.0949	-128.4397	4.2545	1.4479	7.5421	-172.0952
Story2	P05	Comb10	-76.579	-128.8871	3.8048	1.3684	6.6415	-174.6971
Story2	P05	Comb11	-69.3326	-100.9738	1.7626	0.1119	3.6204	-140.4885
Story2	P05	Comb12	-69.3326	-100.9738	1.7626	0.1119	3.6204	-140.4885
Story2	P05	Comb13	-69.3326	-100.9738	1.7626	0.1119	3.6204	-140.4885
Story2	P05	Comb14	-69.3326	-100.9738	1.7626	0.1119	3.6204	-140.4885
Story2	P05	Comb15	-64.1506	-130.2759	1.8953	0.1506	3.8317	-184.7571

Story2	P05	Comb16	-64.1506	-130.2759	1.8953	0.1506	3.8317	-184.7571
Story2	P05	Comb17	-64.1506	-130.2759	1.8953	0.1506	3.8317	-184.7571
Story2	P05	Comb18	-64.1506	-130.2759	1.8953	0.1506	3.8317	-184.7571
Story2	P06	Comb3	-79.0113	-31.8204	-5.4129	0.1748	-11.7848	-46.6704
Story2	P06	Comb4	-79.0113	-31.8204	-5.4129	0.1748	-11.7848	-46.6704
Story2	P06	Comb5	-79.0113	-31.8204	-5.4129	0.1748	-11.7848	-46.6704
Story2	P06	Comb6	-79.0113	-31.8204	-5.4129	0.1748	-11.7848	-46.6704
Story2	P06	Comb7	-77.4264	-65.5037	-5.319	0.2889	-11.6008	-100.5986
Story2	P06	Comb8	-77.4264	-65.5037	-5.319	0.2889	-11.6008	-100.5986
Story2	P06	Comb9	-77.4264	-65.5037	-5.319	0.2889	-11.6008	-100.5986
Story2	P06	Comb10	-65.1434	-65.9301	-4.7433	0.2185	-10.2378	-101.9415
Story2	P06	Comb11	-58.8179	-34.1099	-2.848	0.1301	-6.627	-52.8855
Story2	P06	Comb12	-58.8179	-34.1099	-2.848	0.1301	-6.627	-52.8855
Story2	P06	Comb13	-58.8179	-34.1099	-2.848	0.1301	-6.627	-52.8855
Story2	P06	Comb14	-58.8179	-34.1099	-2.848	0.1301	-6.627	-52.8855
Story2	P06	Comb15	-57.2329	-67.7931	-2.7541	0.2443	-6.443	-106.8137
Story2	P06	Comb16	-57.2329	-67.7931	-2.7541	0.2443	-6.443	-106.8137
Story2	P06	Comb17	-57.2329	-67.7931	-2.7541	0.2443	-6.443	-106.8137
Story2	P06	Comb18	-57.2329	-67.7931	-2.7541	0.2443	-6.443	-106.8137
Story2	P07	Comb3	-56.3182	-11.7536	1.6785	-0.3094	2.8915	-14.8005
Story2	P07	Comb4	-56.3182	-11.7536	1.6785	-0.3094	2.8915	-14.8005
Story2	P07	Comb5	-56.3182	-11.7536	1.6785	-0.3094	2.8915	-14.8005
Story2	P07	Comb6	-56.3182	-11.7536	1.6785	-0.3094	2.8915	-14.8005
Story2	P07	Comb7	-55.7635	-23.7724	1.7771	-0.3029	3.0312	-28.7514
Story2	P07	Comb8	-55.7635	-23.7724	1.7771	-0.3029	3.0312	-28.7514
Story2	P07	Comb9	-55.7635	-23.7724	1.7771	-0.3029	3.0312	-28.7514
Story2	P07	Comb10	-48.558	-24.4705	1.5586	-0.2724	2.6498	-29.6429
Story2	P07	Comb11	-35.0655	-14.7351	0.7284	-0.1587	1.4278	-18.318
Story2	P07	Comb12	-35.0655	-14.7351	0.7284	-0.1587	1.4278	-18.318
Story2	P07	Comb13	-35.0655	-14.7351	0.7284	-0.1587	1.4278	-18.318
Story2	P07	Comb14	-35.0655	-14.7351	0.7284	-0.1587	1.4278	-18.318
Story2	P07	Comb15	-34.5108	-26.7539	0.8271	-0.1521	1.5675	-32.2689
Story2	P07	Comb16	-34.5108	-26.7539	0.8271	-0.1521	1.5675	-32.2689
Story2	P07	Comb17	-34.5108	-26.7539	0.8271	-0.1521	1.5675	-32.2689
Story2	P07	Comb18	-34.5108	-26.7539	0.8271	-0.1521	1.5675	-32.2689
Story2	P08	Comb3	-41.9598	-14.6453	-0.1919	-0.017	-0.2769	-16.2983
Story2	P08	Comb4	-41.9598	-14.6453	-0.1919	-0.017	-0.2769	-16.2983
Story2	P08	Comb5	-41.9598	-14.6453	-0.1919	-0.017	-0.2769	-16.2983
Story2	P08	Comb6	-41.9598	-14.6453	-0.1919	-0.017	-0.2769	-16.2983
Story2	P08	Comb7	-37.8715	-32.4766	-0.1494	-0.0128	-0.2144	-37.7166
Story2	P08	Comb8	-37.8715	-32.4766	-0.1494	-0.0128	-0.2144	-37.7166

Story2	P08	Comb9	-37.8715	-32.4766	-0.1494	-0.0128	-0.2144	-37.7166
Story2	P08	Comb10	-32.9413	-32.2487	-0.1348	-0.0132	-0.1948	-37.6105
Story2	P08	Comb11	-31.9609	-14.705	-0.1525	-0.0156	-0.2127	-16.6453
Story2	P08	Comb12	-31.9609	-14.705	-0.1525	-0.0156	-0.2127	-16.6453
Story2	P08	Comb13	-31.9609	-14.705	-0.1525	-0.0156	-0.2127	-16.6453
Story2	P08	Comb14	-31.9609	-14.705	-0.1525	-0.0156	-0.2127	-16.6453
Story2	P08	Comb15	-27.8726	-32.5363	-0.11	-0.0113	-0.1502	-38.0636
Story2	P08	Comb16	-27.8726	-32.5363	-0.11	-0.0113	-0.1502	-38.0636
Story2	P08	Comb17	-27.8726	-32.5363	-0.11	-0.0113	-0.1502	-38.0636
Story2	P08	Comb18	-27.8726	-32.5363	-0.11	-0.0113	-0.1502	-38.0636
Story2	P09	Comb3	-174.3689	-29.0774333	-0.0587	-19.2207	-0.7415	-163.8229
Story2	P09	Comb4	-174.3689	-29.0774333	-0.0587	-19.2207	-0.7415	-163.8229
Story2	P09	Comb5	-174.3689	-29.0774333	-0.0587	-19.2207	-0.7415	-163.8229
Story2	P09	Comb6	-174.3689	-29.0774333	-0.0587	-19.2207	-0.7415	-163.8229
Story2	P09	Comb7	-166.6832	-60.2368333	0.1491	-19.7834	-0.2337	-361.2474
Story2	P09	Comb8	-166.6832	-60.2368333	0.1491	-19.7834	-0.2337	-361.2474
Story2	P09	Comb9	-166.6832	-60.2368333	0.1491	-19.7834	-0.2337	-361.2474
Story2	P09	Comb10	-142.4819	-60.3803667	0.1217	-17.9781	-0.2279	-359.9872
Story2	P09	Comb11	-129.7052	-30.6619333	-0.9076	-10.9587	-1.4077	-133.5441
Story2	P09	Comb12	-129.7052	-30.6619333	-0.9076	-10.9587	-1.4077	-133.5441
Story2	P09	Comb13	-129.7052	-30.6619333	-0.9076	-10.9587	-1.4077	-133.5441
Story2	P09	Comb14	-129.7052	-30.6619333	-0.9076	-10.9587	-1.4077	-133.5441
Story2	P09	Comb15	-122.0195	-61.8213333	-0.6998	-11.5214	-0.8999	-330.9686
Story2	P09	Comb16	-122.0195	-61.8213333	-0.6998	-11.5214	-0.8999	-330.9686
Story2	P09	Comb17	-122.0195	-61.8213333	-0.6998	-11.5214	-0.8999	-330.9686
Story2	P09	Comb18	-122.0195	-61.8213333	-0.6998	-11.5214	-0.8999	-330.9686
Story2	P10	Comb3	-24.9824	-0.96843333	-0.1783	-0.1477	-0.2403	-6.4003
Story2	P10	Comb4	-24.9824	-0.96843333	-0.1783	-0.1477	-0.2403	-6.4003
Story2	P10	Comb5	-24.9824	-0.96843333	-0.1783	-0.1477	-0.2403	-6.4003
Story2	P10	Comb6	-24.9824	-0.96843333	-0.1783	-0.1477	-0.2403	-6.4003
Story2	P10	Comb7	-24.7363	-1.62406667	-0.0548	-0.1154	-0.0579	-10.4406
Story2	P10	Comb8	-24.7363	-1.62406667	-0.0548	-0.1154	-0.0579	-10.4406
Story2	P10	Comb9	-24.7363	-1.62406667	-0.0548	-0.1154	-0.0579	-10.4406
Story2	P10	Comb10	-20.7631	-1.59073333	-0.0836	-0.1132	-0.1031	-9.9758
Story2	P10	Comb11	-19.0615	-0.9683	-0.2065	-0.1326	-0.2958	-5.9869
Story2	P10	Comb12	-19.0615	-0.9683	-0.2065	-0.1326	-0.2958	-5.9869
Story2	P10	Comb13	-19.0615	-0.9683	-0.2065	-0.1326	-0.2958	-5.9869
Story2	P10	Comb14	-19.0615	-0.9683	-0.2065	-0.1326	-0.2958	-5.9869
Story2	P10	Comb15	-18.8154	-1.6239	-0.0831	-0.1004	-0.1134	-10.0272
Story2	P10	Comb16	-18.8154	-1.6239	-0.0831	-0.1004	-0.1134	-10.0272
Story2	P10	Comb17	-18.8154	-1.6239	-0.0831	-0.1004	-0.1134	-10.0272

Story2	P10	Comb18	-18.8154	-1.6239	-0.0831	-0.1004	-0.1134	-10.0272
Story2	P11	Comb3	-16.7702	-1.7841	0.1405	-0.0229	0.2614	-7.9189
Story2	P11	Comb4	-16.7702	-1.7841	0.1405	-0.0229	0.2614	-7.9189
Story2	P11	Comb5	-16.7702	-1.7841	0.1405	-0.0229	0.2614	-7.9189
Story2	P11	Comb6	-16.7702	-1.7841	0.1405	-0.0229	0.2614	-7.9189
Story2	P11	Comb7	-18.1482	-1.79263333	0.175	-0.0292	0.3468	-8.5704
Story2	P11	Comb8	-18.1482	-1.79263333	0.175	-0.0292	0.3468	-8.5704
Story2	P11	Comb9	-18.1482	-1.79263333	0.175	-0.0292	0.3468	-8.5704
Story2	P11	Comb10	-15.4694	-1.58976667	0.1474	-0.0288	0.2931	-7.7766
Story2	P11	Comb11	-12.9413	-1.11626667	0.0547	-0.0179	0.0793	-4.9882
Story2	P11	Comb12	-12.9413	-1.11626667	0.0547	-0.0179	0.0793	-4.9882
Story2	P11	Comb13	-12.9413	-1.11626667	0.0547	-0.0179	0.0793	-4.9882
Story2	P11	Comb14	-12.9413	-1.11626667	0.0547	-0.0179	0.0793	-4.9882
Story2	P11	Comb15	-14.3193	-1.1248	0.0893	-0.0242	0.1646	-5.6398
Story2	P11	Comb16	-14.3193	-1.1248	0.0893	-0.0242	0.1646	-5.6398
Story2	P11	Comb17	-14.3193	-1.1248	0.0893	-0.0242	0.1646	-5.6398
Story2	P11	Comb18	-14.3193	-1.1248	0.0893	-0.0242	0.1646	-5.6398
Story2	P12	Comb3	-14.3478	-0.67996667	0.1077	-0.0229	0.1654	-2.2215
Story2	P12	Comb4	-14.3478	-0.67996667	0.1077	-0.0229	0.1654	-2.2215
Story2	P12	Comb5	-14.3478	-0.67996667	0.1077	-0.0229	0.1654	-2.2215
Story2	P12	Comb6	-14.3478	-0.67996667	0.1077	-0.0229	0.1654	-2.2215
Story2	P12	Comb7	-15.1398	-1.28766667	0.1341	-0.0327	0.2302	-3.4
Story2	P12	Comb8	-15.1398	-1.28766667	0.1341	-0.0327	0.2302	-3.4
Story2	P12	Comb9	-15.1398	-1.28766667	0.1341	-0.0327	0.2302	-3.4
Story2	P12	Comb10	-12.9092	-1.27143333	0.111	-0.0335	0.19	-3.3371
Story2	P12	Comb11	-10.7978	-0.60083333	0.0422	-0.0281	0.0333	-1.9017
Story2	P12	Comb12	-10.7978	-0.60083333	0.0422	-0.0281	0.0333	-1.9017
Story2	P12	Comb13	-10.7978	-0.60083333	0.0422	-0.0281	0.0333	-1.9017
Story2	P12	Comb14	-10.7978	-0.60083333	0.0422	-0.0281	0.0333	-1.9017
Story2	P12	Comb15	-11.5898	-1.20856667	0.0686	-0.0379	0.0982	-3.0802
Story2	P12	Comb16	-11.5898	-1.20856667	0.0686	-0.0379	0.0982	-3.0802
Story2	P12	Comb17	-11.5898	-1.20856667	0.0686	-0.0379	0.0982	-3.0802
Story2	P12	Comb18	-11.5898	-1.20856667	0.0686	-0.0379	0.0982	-3.0802
Story2	P13	Comb3	-4.9559	0.31043333	-0.0104	-0.01	-0.0491	1.2769
Story2	P13	Comb4	-4.9559	0.31043333	-0.0104	-0.01	-0.0491	1.2769
Story2	P13	Comb5	-4.9559	0.31043333	-0.0104	-0.01	-0.0491	1.2769
Story2	P13	Comb6	-4.9559	0.31043333	-0.0104	-0.01	-0.0491	1.2769
Story2	P13	Comb7	-5.4726	0.24053333	0.0008	-0.0108	-0.0234	1.1681
Story2	P13	Comb8	-5.4726	0.24053333	0.0008	-0.0108	-0.0234	1.1681
Story2	P13	Comb9	-5.4726	0.24053333	0.0008	-0.0108	-0.0234	1.1681
Story2	P13	Comb10	-4.7077	0.17673333	-0.003	-0.011	-0.027	0.9208

Story2	P13	Comb11	-3.8554	0.1401	-0.0165	-0.0108	-0.0574	0.604
Story2	P13	Comb12	-3.8554	0.1401	-0.0165	-0.0108	-0.0574	0.604
Story2	P13	Comb13	-3.8554	0.1401	-0.0165	-0.0108	-0.0574	0.604
Story2	P13	Comb14	-3.8554	0.1401	-0.0165	-0.0108	-0.0574	0.604
Story2	P13	Comb15	-4.372	0.07023333	-0.0053	-0.0115	-0.0317	0.4952
Story2	P13	Comb16	-4.372	0.07023333	-0.0053	-0.0115	-0.0317	0.4952
Story2	P13	Comb17	-4.372	0.07023333	-0.0053	-0.0115	-0.0317	0.4952
Story2	P13	Comb18	-4.372	0.07023333	-0.0053	-0.0115	-0.0317	0.4952
Story2	P14	Comb3	-5.3453	-0.26506667	-0.0242	-0.0129	-0.0925	-1.1493
Story2	P14	Comb4	-5.3453	-0.26506667	-0.0242	-0.0129	-0.0925	-1.1493
Story2	P14	Comb5	-5.3453	-0.26506667	-0.0242	-0.0129	-0.0925	-1.1493
Story2	P14	Comb6	-5.3453	-0.26506667	-0.0242	-0.0129	-0.0925	-1.1493
Story2	P14	Comb7	-5.362	-0.405	-0.0118	-0.012	-0.066	-1.8465
Story2	P14	Comb8	-5.362	-0.405	-0.0118	-0.012	-0.066	-1.8465
Story2	P14	Comb9	-5.362	-0.405	-0.0118	-0.012	-0.066	-1.8465
Story2	P14	Comb10	-4.5003	-0.43223333	-0.0152	-0.0119	-0.0657	-1.9455
Story2	P14	Comb11	-4.0558	-0.31663333	-0.0263	-0.0115	-0.0863	-1.3383
Story2	P14	Comb12	-4.0558	-0.31663333	-0.0263	-0.0115	-0.0863	-1.3383
Story2	P14	Comb13	-4.0558	-0.31663333	-0.0263	-0.0115	-0.0863	-1.3383
Story2	P14	Comb14	-4.0558	-0.31663333	-0.0263	-0.0115	-0.0863	-1.3383
Story2	P14	Comb15	-4.0724	-0.45656667	-0.014	-0.0107	-0.0598	-2.0355
Story2	P14	Comb16	-4.0724	-0.45656667	-0.014	-0.0107	-0.0598	-2.0355
Story2	P14	Comb17	-4.0724	-0.45656667	-0.014	-0.0107	-0.0598	-2.0355
Story2	P14	Comb18	-4.0724	-0.45656667	-0.014	-0.0107	-0.0598	-2.0355
Story2	P15	Comb3	-92.2912	-17.6211667	0.5097	2.832	2.0918	-111.6964
Story2	P15	Comb4	-92.2912	-17.6211667	0.5097	2.832	2.0918	-111.6964
Story2	P15	Comb5	-92.2912	-17.6211667	0.5097	2.832	2.0918	-111.6964
Story2	P15	Comb6	-92.2912	-17.6211667	0.5097	2.832	2.0918	-111.6964
Story2	P15	Comb7	-85.083	-29.5441667	0.6867	2.8967	2.3682	-175.8729
Story2	P15	Comb8	-85.083	-29.5441667	0.6867	2.8967	2.3682	-175.8729
Story2	P15	Comb9	-85.083	-29.5441667	0.6867	2.8967	2.3682	-175.8729
Story2	P15	Comb10	-73.3617	-28.9081667	0.547	2.5024	2.004	-171.5761
Story2	P15	Comb11	-69.4324	-12.7344	0.0746	1.0968	0.8594	-73.2906
Story2	P15	Comb12	-69.4324	-12.7344	0.0746	1.0968	0.8594	-73.2906
Story2	P15	Comb13	-69.4324	-12.7344	0.0746	1.0968	0.8594	-73.2906
Story2	P15	Comb14	-69.4324	-12.7344	0.0746	1.0968	0.8594	-73.2906
Story2	P15	Comb15	-62.2242	-24.6574	0.2515	1.1615	1.1358	-137.4671
Story2	P15	Comb16	-62.2242	-24.6574	0.2515	1.1615	1.1358	-137.4671
Story2	P15	Comb17	-62.2242	-24.6574	0.2515	1.1615	1.1358	-137.4671
Story2	P15	Comb18	-62.2242	-24.6574	0.2515	1.1615	1.1358	-137.4671
Story2	P16	Comb3	-89.8695	-5.00166667	0.5094	-4.9972	2.1975	-12.9064

Story2	P16	Comb4	-89.8695	-5.00166667	0.5094	-4.9972	2.1975	-12.9064
Story2	P16	Comb5	-89.8695	-5.00166667	0.5094	-4.9972	2.1975	-12.9064
Story2	P16	Comb6	-89.8695	-5.00166667	0.5094	-4.9972	2.1975	-12.9064
Story2	P16	Comb7	-80.6967	-13.2537667	0.7403	-4.7611	2.5341	-57.6051
Story2	P16	Comb8	-80.6967	-13.2537667	0.7403	-4.7611	2.5341	-57.6051
Story2	P16	Comb9	-80.6967	-13.2537667	0.7403	-4.7611	2.5341	-57.6051
Story2	P16	Comb10	-69.56	-13.6868667	0.5551	-4.3878	2.0872	-60.4017
Story2	P16	Comb11	-69.73	-7.1523	-0.1489	-3.4551	0.6192	-31.9309
Story2	P16	Comb12	-69.73	-7.1523	-0.1489	-3.4551	0.6192	-31.9309
Story2	P16	Comb13	-69.73	-7.1523	-0.1489	-3.4551	0.6192	-31.9309
Story2	P16	Comb14	-69.73	-7.1523	-0.1489	-3.4551	0.6192	-31.9309
Story2	P16	Comb15	-60.5572	-15.4044333	0.0821	-3.219	0.9558	-76.6296
Story2	P16	Comb16	-60.5572	-15.4044333	0.0821	-3.219	0.9558	-76.6296
Story2	P16	Comb17	-60.5572	-15.4044333	0.0821	-3.219	0.9558	-76.6296
Story2	P16	Comb18	-60.5572	-15.4044333	0.0821	-3.219	0.9558	-76.6296
Story2	P17	Comb3	-23.2819	-1.36573333	-0.6814	0.198	-1.3676	-4.8595
Story2	P17	Comb4	-23.2819	-1.36573333	-0.6814	0.198	-1.3676	-4.8595
Story2	P17	Comb5	-23.2819	-1.36573333	-0.6814	0.198	-1.3676	-4.8595
Story2	P17	Comb6	-23.2819	-1.36573333	-0.6814	0.198	-1.3676	-4.8595
Story2	P17	Comb7	-29.2961	-5.88236667	-0.7306	0.1791	-1.4864	-24.6998
Story2	P17	Comb8	-29.2961	-5.88236667	-0.7306	0.1791	-1.4864	-24.6998
Story2	P17	Comb9	-29.2961	-5.88236667	-0.7306	0.1791	-1.4864	-24.6998
Story2	P17	Comb10	-26.3516	-6.28433333	-0.6549	0.1508	-1.3355	-26.6143
Story2	P17	Comb11	-18.7719	-2.46506667	-0.4322	0.1051	-0.8534	-10.2737
Story2	P17	Comb12	-18.7719	-2.46506667	-0.4322	0.1051	-0.8534	-10.2737
Story2	P17	Comb13	-18.7719	-2.46506667	-0.4322	0.1051	-0.8534	-10.2737
Story2	P17	Comb14	-18.7719	-2.46506667	-0.4322	0.1051	-0.8534	-10.2737
Story2	P17	Comb15	-24.7861	-6.98166667	-0.4814	0.0862	-0.9722	-30.114
Story2	P17	Comb16	-24.7861	-6.98166667	-0.4814	0.0862	-0.9722	-30.114
Story2	P17	Comb17	-24.7861	-6.98166667	-0.4814	0.0862	-0.9722	-30.114
Story2	P17	Comb18	-24.7861	-6.98166667	-0.4814	0.0862	-0.9722	-30.114
Story2	P18	Comb3	-22.5845	-6.74443333	0.4749	0.1658	1.0536	-30.055
Story2	P18	Comb4	-22.5845	-6.74443333	0.4749	0.1658	1.0536	-30.055
Story2	P18	Comb5	-22.5845	-6.74443333	0.4749	0.1658	1.0536	-30.055
Story2	P18	Comb6	-22.5845	-6.74443333	0.4749	0.1658	1.0536	-30.055
Story2	P18	Comb7	-27.4092	-10.5287667	0.4181	0.1324	0.9103	-46.7248
Story2	P18	Comb8	-27.4092	-10.5287667	0.4181	0.1324	0.9103	-46.7248
Story2	P18	Comb9	-27.4092	-10.5287667	0.4181	0.1324	0.9103	-46.7248
Story2	P18	Comb10	-24.6816	-10.2303333	0.3495	0.109	0.7571	-45.322
Story2	P18	Comb11	-18.7461	-5.5269	0.2002	0.073	0.4818	-24.2479
Story2	P18	Comb12	-18.7461	-5.5269	0.2002	0.073	0.4818	-24.2479

Story2	P18	Comb13	-18.7461	-5.5269	0.2002	0.073	0.4818	-24.2479
Story2	P18	Comb14	-18.7461	-5.5269	0.2002	0.073	0.4818	-24.2479
Story2	P18	Comb15	-23.5708	-9.31123333	0.1434	0.0396	0.3385	-40.9177
Story2	P18	Comb16	-23.5708	-9.31123333	0.1434	0.0396	0.3385	-40.9177
Story2	P18	Comb17	-23.5708	-9.31123333	0.1434	0.0396	0.3385	-40.9177
Story2	P18	Comb18	-23.5708	-9.31123333	0.1434	0.0396	0.3385	-40.9177
Story2	P19	Comb3	-45.2935	-15.7135333	-0.1198	-0.078	-0.0899	-66.7619
Story2	P19	Comb4	-45.2935	-15.7135333	-0.1198	-0.078	-0.0899	-66.7619
Story2	P19	Comb5	-45.2935	-15.7135333	-0.1198	-0.078	-0.0899	-66.7619
Story2	P19	Comb6	-45.2935	-15.7135333	-0.1198	-0.078	-0.0899	-66.7619
Story2	P19	Comb7	-46.0095	-31.8759667	-0.0814	-0.1466	-0.0278	-125.5289
Story2	P19	Comb8	-46.0095	-31.8759667	-0.0814	-0.1466	-0.0278	-125.5289
Story2	P19	Comb9	-46.0095	-31.8759667	-0.0814	-0.1466	-0.0278	-125.5289
Story2	P19	Comb10	-38.7121	-31.6489	-0.0853	-0.1454	-0.0468	-124.3254
Story2	P19	Comb11	-34.5825	-15.2986667	-0.129	-0.0797	-0.1525	-64.1994
Story2	P19	Comb12	-34.5825	-15.2986667	-0.129	-0.0797	-0.1525	-64.1994
Story2	P19	Comb13	-34.5825	-15.2986667	-0.129	-0.0797	-0.1525	-64.1994
Story2	P19	Comb14	-34.5825	-15.2986667	-0.129	-0.0797	-0.1525	-64.1994
Story2	P19	Comb15	-35.2985	-31.4611	-0.0907	-0.1483	-0.0905	-122.9664
Story2	P19	Comb16	-35.2985	-31.4611	-0.0907	-0.1483	-0.0905	-122.9664
Story2	P19	Comb17	-35.2985	-31.4611	-0.0907	-0.1483	-0.0905	-122.9664
Story2	P19	Comb18	-35.2985	-31.4611	-0.0907	-0.1483	-0.0905	-122.9664
Story2	P20	Comb3	-55.4516	-16.0408667	-2.0534	-1.4056	-3.8522	-67.1802
Story2	P20	Comb4	-55.4516	-16.0408667	-2.0534	-1.4056	-3.8522	-67.1802
Story2	P20	Comb5	-55.4516	-16.0408667	-2.0534	-1.4056	-3.8522	-67.1802
Story2	P20	Comb6	-55.4516	-16.0408667	-2.0534	-1.4056	-3.8522	-67.1802
Story2	P20	Comb7	-58.186	-34.6349333	-1.9974	-1.4319	-3.7708	-143.8714
Story2	P20	Comb8	-58.186	-34.6349333	-1.9974	-1.4319	-3.7708	-143.8714
Story2	P20	Comb9	-58.186	-34.6349333	-1.9974	-1.4319	-3.7708	-143.8714
Story2	P20	Comb10	-50.4823	-34.5850667	-1.8193	-1.4101	-3.4043	-144.0822
Story2	P20	Comb11	-43.4359	-15.4426667	-1.491	-1.3548	-2.6272	-65.4972
Story2	P20	Comb12	-43.4359	-15.4426667	-1.491	-1.3548	-2.6272	-65.4972
Story2	P20	Comb13	-43.4359	-15.4426667	-1.491	-1.3548	-2.6272	-65.4972
Story2	P20	Comb14	-43.4359	-15.4426667	-1.491	-1.3548	-2.6272	-65.4972
Story2	P20	Comb15	-46.1703	-34.0367333	-1.4351	-1.3811	-2.5457	-142.1884
Story2	P20	Comb16	-46.1703	-34.0367333	-1.4351	-1.3811	-2.5457	-142.1884
Story2	P20	Comb17	-46.1703	-34.0367333	-1.4351	-1.3811	-2.5457	-142.1884
Story2	P20	Comb18	-46.1703	-34.0367333	-1.4351	-1.3811	-2.5457	-142.1884
Story2	P21	Comb3	-19.476	-9.09456667	0.894	0.1597	1.9911	-41.09
Story2	P21	Comb4	-19.476	-9.09456667	0.894	0.1597	1.9911	-41.09
Story2	P21	Comb5	-19.476	-9.09456667	0.894	0.1597	1.9911	-41.09

Story2	P21	Comb6	-19.476	-9.09456667	0.894	0.1597	1.9911	-41.09
Story2	P21	Comb7	-20.7294	-13.4896333	0.8853	0.1431	1.9751	-53.2654
Story2	P21	Comb8	-20.7294	-13.4896333	0.8853	0.1431	1.9751	-53.2654
Story2	P21	Comb9	-20.7294	-13.4896333	0.8853	0.1431	1.9751	-53.2654
Story2	P21	Comb10	-17.8625	-13.3372	0.7394	0.1073	1.6618	-52.1532
Story2	P21	Comb11	-15.8063	-8.026	0.425	0.0591	0.9981	-35.1499
Story2	P21	Comb12	-15.8063	-8.026	0.425	0.0591	0.9981	-35.1499
Story2	P21	Comb13	-15.8063	-8.026	0.425	0.0591	0.9981	-35.1499
Story2	P21	Comb14	-15.8063	-8.026	0.425	0.0591	0.9981	-35.1499
Story2	P21	Comb15	-17.0597	-12.4210667	0.4163	0.0424	0.9821	-47.3253
Story2	P21	Comb16	-17.0597	-12.4210667	0.4163	0.0424	0.9821	-47.3253
Story2	P21	Comb17	-17.0597	-12.4210667	0.4163	0.0424	0.9821	-47.3253
Story2	P21	Comb18	-17.0597	-12.4210667	0.4163	0.0424	0.9821	-47.3253
Story2	P22	Comb3	-27.8109	-6.51906667	0.9965	-0.3317	1.953	-23.8273
Story2	P22	Comb4	-27.8109	-6.51906667	0.9965	-0.3317	1.953	-23.8273
Story2	P22	Comb5	-27.8109	-6.51906667	0.9965	-0.3317	1.953	-23.8273
Story2	P22	Comb6	-27.8109	-6.51906667	0.9965	-0.3317	1.953	-23.8273
Story2	P22	Comb7	-25.6641	-8.5159	1.0464	-0.354	2.0445	-27.8621
Story2	P22	Comb8	-25.6641	-8.5159	1.0464	-0.354	2.0445	-27.8621
Story2	P22	Comb9	-25.6641	-8.5159	1.0464	-0.354	2.0445	-27.8621
Story2	P22	Comb10	-22.9776	-8.62426667	0.9019	-0.3188	1.7595	-28.4597
Story2	P22	Comb11	-22.2964	-6.0663	0.507	-0.2161	1.016	-22.063
Story2	P22	Comb12	-22.2964	-6.0663	0.507	-0.2161	1.016	-22.063
Story2	P22	Comb13	-22.2964	-6.0663	0.507	-0.2161	1.016	-22.063
Story2	P22	Comb14	-22.2964	-6.0663	0.507	-0.2161	1.016	-22.063
Story2	P22	Comb15	-20.1496	-8.06316667	0.5569	-0.2383	1.1074	-26.0978
Story2	P22	Comb16	-20.1496	-8.06316667	0.5569	-0.2383	1.1074	-26.0978
Story2	P22	Comb17	-20.1496	-8.06316667	0.5569	-0.2383	1.1074	-26.0978
Story2	P22	Comb18	-20.1496	-8.06316667	0.5569	-0.2383	1.1074	-26.0978
Story2	P23	Comb3	-29.5601	-7.04376667	-0.2489	0.0697	-0.3277	-26.6512
Story2	P23	Comb4	-29.5601	-7.04376667	-0.2489	0.0697	-0.3277	-26.6512
Story2	P23	Comb5	-29.5601	-7.04376667	-0.2489	0.0697	-0.3277	-26.6512
Story2	P23	Comb6	-29.5601	-7.04376667	-0.2489	0.0697	-0.3277	-26.6512
Story2	P23	Comb7	-30.143	-12.7814667	-0.2553	0.0533	-0.3197	-44.7868
Story2	P23	Comb8	-30.143	-12.7814667	-0.2553	0.0533	-0.3197	-44.7868
Story2	P23	Comb9	-30.143	-12.7814667	-0.2553	0.0533	-0.3197	-44.7868
Story2	P23	Comb10	-26.8076	-12.7451667	-0.2346	0.0391	-0.3033	-44.5346
Story2	P23	Comb11	-22.9133	-7.96113333	-0.1959	0.0129	-0.2714	-30.7514
Story2	P23	Comb12	-22.9133	-7.96113333	-0.1959	0.0129	-0.2714	-30.7514
Story2	P23	Comb13	-22.9133	-7.96113333	-0.1959	0.0129	-0.2714	-30.7514
Story2	P23	Comb14	-22.9133	-7.96113333	-0.1959	0.0129	-0.2714	-30.7514

Story2	P23	Comb15	-23.4963	-13.6988667	-0.2023	-0.0035	-0.2634	-48.887
Story2	P23	Comb16	-23.4963	-13.6988667	-0.2023	-0.0035	-0.2634	-48.887
Story2	P23	Comb17	-23.4963	-13.6988667	-0.2023	-0.0035	-0.2634	-48.887
Story2	P23	Comb18	-23.4963	-13.6988667	-0.2023	-0.0035	-0.2634	-48.887
Story2	P24	Comb3	-17.5692	-6.34396667	0.5723	0.0669	1.1797	-25.0624
Story2	P24	Comb4	-17.5692	-6.34396667	0.5723	0.0669	1.1797	-25.0624
Story2	P24	Comb5	-17.5692	-6.34396667	0.5723	0.0669	1.1797	-25.0624
Story2	P24	Comb6	-17.5692	-6.34396667	0.5723	0.0669	1.1797	-25.0624
Story2	P24	Comb7	-19.2425	-9.96093333	0.5877	0.0731	1.2138	-34.1793
Story2	P24	Comb8	-19.2425	-9.96093333	0.5877	0.0731	1.2138	-34.1793
Story2	P24	Comb9	-19.2425	-9.96093333	0.5877	0.0731	1.2138	-34.1793
Story2	P24	Comb10	-16.7759	-9.93966667	0.4903	0.06	1.0179	-34.1302
Story2	P24	Comb11	-14.297	-6.95923333	0.28	0.0251	0.5967	-27.8774
Story2	P24	Comb12	-14.297	-6.95923333	0.28	0.0251	0.5967	-27.8774
Story2	P24	Comb13	-14.297	-6.95923333	0.28	0.0251	0.5967	-27.8774
Story2	P24	Comb14	-14.297	-6.95923333	0.28	0.0251	0.5967	-27.8774
Story2	P24	Comb15	-15.9703	-10.5762	0.2954	0.0313	0.6307	-36.9943
Story2	P24	Comb16	-15.9703	-10.5762	0.2954	0.0313	0.6307	-36.9943
Story2	P24	Comb17	-15.9703	-10.5762	0.2954	0.0313	0.6307	-36.9943
Story2	P24	Comb18	-15.9703	-10.5762	0.2954	0.0313	0.6307	-36.9943
Story2	P25	Comb3	-9.6128	-5.00613333	-0.0828	-0.1107	-0.212	-18.6064
Story2	P25	Comb4	-9.6128	-5.00613333	-0.0828	-0.1107	-0.212	-18.6064
Story2	P25	Comb5	-9.6128	-5.00613333	-0.0828	-0.1107	-0.212	-18.6064
Story2	P25	Comb6	-9.6128	-5.00613333	-0.0828	-0.1107	-0.212	-18.6064
Story2	P25	Comb7	-9.7351	-4.2994	-0.088	-0.1208	-0.2174	-16.5927
Story2	P25	Comb8	-9.7351	-4.2994	-0.088	-0.1208	-0.2174	-16.5927
Story2	P25	Comb9	-9.7351	-4.2994	-0.088	-0.1208	-0.2174	-16.5927
Story2	P25	Comb10	-8.5604	-4.25276667	-0.0859	-0.1189	-0.1991	-16.4275
Story2	P25	Comb11	-7.3517	-5.11823333	-0.072	-0.0839	-0.1624	-18.9353
Story2	P25	Comb12	-7.3517	-5.11823333	-0.072	-0.0839	-0.1624	-18.9353
Story2	P25	Comb13	-7.3517	-5.11823333	-0.072	-0.0839	-0.1624	-18.9353
Story2	P25	Comb14	-7.3517	-5.11823333	-0.072	-0.0839	-0.1624	-18.9353
Story2	P25	Comb15	-7.4741	-4.41153333	-0.0772	-0.094	-0.1678	-16.9216
Story2	P25	Comb16	-7.4741	-4.41153333	-0.0772	-0.094	-0.1678	-16.9216
Story2	P25	Comb17	-7.4741	-4.41153333	-0.0772	-0.094	-0.1678	-16.9216
Story2	P25	Comb18	-7.4741	-4.41153333	-0.0772	-0.094	-0.1678	-16.9216
Story2	P26	Comb3	-34.4556	-9.41073333	-0.1772	0.2701	-0.6673	-31.5943
Story2	P26	Comb4	-34.4556	-9.41073333	-0.1772	0.2701	-0.6673	-31.5943
Story2	P26	Comb5	-34.4556	-9.41073333	-0.1772	0.2701	-0.6673	-31.5943
Story2	P26	Comb6	-34.4556	-9.41073333	-0.1772	0.2701	-0.6673	-31.5943
Story2	P26	Comb7	-35.489	-6.2681	-0.2082	0.2736	-0.7108	-20.601

Story2	P26	Comb8	-35.489	-6.2681	-0.2082	0.2736	-0.7108	-20.601
Story2	P26	Comb9	-35.489	-6.2681	-0.2082	0.2736	-0.7108	-20.601
Story2	P26	Comb10	-31.6347	-6.36566667	-0.1973	0.2346	-0.6397	-21.2818
Story2	P26	Comb11	-25.7502	-9.83833333	-0.1282	0.1177	-0.4333	-35.0242
Story2	P26	Comb12	-25.7502	-9.83833333	-0.1282	0.1177	-0.4333	-35.0242
Story2	P26	Comb13	-25.7502	-9.83833333	-0.1282	0.1177	-0.4333	-35.0242
Story2	P26	Comb14	-25.7502	-9.83833333	-0.1282	0.1177	-0.4333	-35.0242
Story2	P26	Comb15	-26.7836	-6.6957	-0.1592	0.1212	-0.4769	-24.0309
Story2	P26	Comb16	-26.7836	-6.6957	-0.1592	0.1212	-0.4769	-24.0309
Story2	P26	Comb17	-26.7836	-6.6957	-0.1592	0.1212	-0.4769	-24.0309
Story2	P26	Comb18	-26.7836	-6.6957	-0.1592	0.1212	-0.4769	-24.0309
Story2	P27	Comb3	-7.7704	-2.4201	0.1782	-0.026	0.143	-8.6763
Story2	P27	Comb4	-7.7704	-2.4201	0.1782	-0.026	0.143	-8.6763
Story2	P27	Comb5	-7.7704	-2.4201	0.1782	-0.026	0.143	-8.6763
Story2	P27	Comb6	-7.7704	-2.4201	0.1782	-0.026	0.143	-8.6763
Story2	P27	Comb7	-7.3654	-1.77743333	0.1577	-0.0234	0.1023	-6.5183
Story2	P27	Comb8	-7.3654	-1.77743333	0.1577	-0.0234	0.1023	-6.5183
Story2	P27	Comb9	-7.3654	-1.77743333	0.1577	-0.0234	0.1023	-6.5183
Story2	P27	Comb10	-6.5441	-1.75093333	0.1294	-0.0208	0.0761	-6.3972
Story2	P27	Comb11	-6.5455	-2.39606667	0.0911	-0.018	0.0464	-8.5165
Story2	P27	Comb12	-6.5455	-2.39606667	0.0911	-0.018	0.0464	-8.5165
Story2	P27	Comb13	-6.5455	-2.39606667	0.0911	-0.018	0.0464	-8.5165
Story2	P27	Comb14	-6.5455	-2.39606667	0.0911	-0.018	0.0464	-8.5165
Story2	P27	Comb15	-6.1405	-1.7534	0.0706	-0.0154	0.0057	-6.3585
Story2	P27	Comb16	-6.1405	-1.7534	0.0706	-0.0154	0.0057	-6.3585
Story2	P27	Comb17	-6.1405	-1.7534	0.0706	-0.0154	0.0057	-6.3585
Story2	P27	Comb18	-6.1405	-1.7534	0.0706	-0.0154	0.0057	-6.3585
Story2	P28	Comb3	-6.7818	-1.0076	0.3759	0.0039	0.4494	-3.4638
Story2	P28	Comb4	-6.7818	-1.0076	0.3759	0.0039	0.4494	-3.4638
Story2	P28	Comb5	-6.7818	-1.0076	0.3759	0.0039	0.4494	-3.4638
Story2	P28	Comb6	-6.7818	-1.0076	0.3759	0.0039	0.4494	-3.4638
Story2	P28	Comb7	-6.8135	-0.48473333	0.3658	0.0058	0.4337	-1.6536
Story2	P28	Comb8	-6.8135	-0.48473333	0.3658	0.0058	0.4337	-1.6536
Story2	P28	Comb9	-6.8135	-0.48473333	0.3658	0.0058	0.4337	-1.6536
Story2	P28	Comb10	-6.0057	-0.48336667	0.3206	0.0054	0.3776	-1.6522
Story2	P28	Comb11	-4.5152	-0.86523333	0.1855	-0.0025	0.2227	-2.9742
Story2	P28	Comb12	-4.5152	-0.86523333	0.1855	-0.0025	0.2227	-2.9742
Story2	P28	Comb13	-4.5152	-0.86523333	0.1855	-0.0025	0.2227	-2.9742
Story2	P28	Comb14	-4.5152	-0.86523333	0.1855	-0.0025	0.2227	-2.9742
Story2	P28	Comb15	-4.5469	-0.34236667	0.1754	-0.0006	0.2071	-1.1641
Story2	P28	Comb16	-4.5469	-0.34236667	0.1754	-0.0006	0.2071	-1.1641

Story2	P28	Comb17	-4.5469	-0.34236667	0.1754	-0.0006	0.2071	-1.1641
Story2	P28	Comb18	-4.5469	-0.34236667	0.1754	-0.0006	0.2071	-1.1641
Story2	P29	Comb3	-12.5718	-2.08186667	-0.1047	-0.0323	-0.2553	-7.2068
Story2	P29	Comb4	-12.5718	-2.08186667	-0.1047	-0.0323	-0.2553	-7.2068
Story2	P29	Comb5	-12.5718	-2.08186667	-0.1047	-0.0323	-0.2553	-7.2068
Story2	P29	Comb6	-12.5718	-2.08186667	-0.1047	-0.0323	-0.2553	-7.2068
Story2	P29	Comb7	-13.8233	-1.5001	-0.1183	-0.0371	-0.2773	-5.9945
Story2	P29	Comb8	-13.8233	-1.5001	-0.1183	-0.0371	-0.2773	-5.9945
Story2	P29	Comb9	-13.8233	-1.5001	-0.1183	-0.0371	-0.2773	-5.9945
Story2	P29	Comb10	-12.1411	-1.56276667	-0.1081	-0.0345	-0.248	-6.1867
Story2	P29	Comb11	-9.2978	-2.53856667	-0.0599	-0.0183	-0.1544	-8.7427
Story2	P29	Comb12	-9.2978	-2.53856667	-0.0599	-0.0183	-0.1544	-8.7427
Story2	P29	Comb13	-9.2978	-2.53856667	-0.0599	-0.0183	-0.1544	-8.7427
Story2	P29	Comb14	-9.2978	-2.53856667	-0.0599	-0.0183	-0.1544	-8.7427
Story2	P29	Comb15	-10.5493	-1.9568	-0.0734	-0.0231	-0.1763	-7.5304
Story2	P29	Comb16	-10.5493	-1.9568	-0.0734	-0.0231	-0.1763	-7.5304
Story2	P29	Comb17	-10.5493	-1.9568	-0.0734	-0.0231	-0.1763	-7.5304
Story2	P29	Comb18	-10.5493	-1.9568	-0.0734	-0.0231	-0.1763	-7.5304
Story2	P30	Comb3	-16.5261	-2.00933333	-0.1282	0.0222	-0.2839	-4.3854
Story2	P30	Comb4	-16.5261	-2.00933333	-0.1282	0.0222	-0.2839	-4.3854
Story2	P30	Comb5	-16.5261	-2.00933333	-0.1282	0.0222	-0.2839	-4.3854
Story2	P30	Comb6	-16.5261	-2.00933333	-0.1282	0.0222	-0.2839	-4.3854
Story2	P30	Comb7	-18.5011	-0.4042	-0.1468	0.0173	-0.3148	-0.3951
Story2	P30	Comb8	-18.5011	-0.4042	-0.1468	0.0173	-0.3148	-0.3951
Story2	P30	Comb9	-18.5011	-0.4042	-0.1468	0.0173	-0.3148	-0.3951
Story2	P30	Comb10	-16.299	-0.49336667	-0.1349	0.0134	-0.2837	-0.8394
Story2	P30	Comb11	-12.1057	-2.3193	-0.0731	0.0084	-0.1717	-5.923
Story2	P30	Comb12	-12.1057	-2.3193	-0.0731	0.0084	-0.1717	-5.923
Story2	P30	Comb13	-12.1057	-2.3193	-0.0731	0.0084	-0.1717	-5.923
Story2	P30	Comb14	-12.1057	-2.3193	-0.0731	0.0084	-0.1717	-5.923
Story2	P30	Comb15	-14.0807	-0.71416667	-0.0917	0.0035	-0.2026	-1.9326
Story2	P30	Comb16	-14.0807	-0.71416667	-0.0917	0.0035	-0.2026	-1.9326
Story2	P30	Comb17	-14.0807	-0.71416667	-0.0917	0.0035	-0.2026	-1.9326
Story2	P30	Comb18	-14.0807	-0.71416667	-0.0917	0.0035	-0.2026	-1.9326
Story2	P31	Comb3	-20.3321	-4.44543333	0.9853	0.0624	1.2515	-14.2047
Story2	P31	Comb4	-20.3321	-4.44543333	0.9853	0.0624	1.2515	-14.2047
Story2	P31	Comb5	-20.3321	-4.44543333	0.9853	0.0624	1.2515	-14.2047
Story2	P31	Comb6	-20.3321	-4.44543333	0.9853	0.0624	1.2515	-14.2047
Story2	P31	Comb7	-19.5846	-3.05223333	0.9172	0.0451	1.1288	-10.2293
Story2	P31	Comb8	-19.5846	-3.05223333	0.9172	0.0451	1.1288	-10.2293
Story2	P31	Comb9	-19.5846	-3.05223333	0.9172	0.0451	1.1288	-10.2293

Story2	P31	Comb10	-16.8358	-2.8487	0.7975	0.0422	0.9751	-9.3629
Story2	P31	Comb11	-14.9346	-3.57446667	0.4975	-0.0092	0.613	-10.9746
Story2	P31	Comb12	-14.9346	-3.57446667	0.4975	-0.0092	0.613	-10.9746
Story2	P31	Comb13	-14.9346	-3.57446667	0.4975	-0.0092	0.613	-10.9746
Story2	P31	Comb14	-14.9346	-3.57446667	0.4975	-0.0092	0.613	-10.9746
Story2	P31	Comb15	-14.1871	-2.18123333	0.4294	-0.0265	0.4902	-6.9992
Story2	P31	Comb16	-14.1871	-2.18123333	0.4294	-0.0265	0.4902	-6.9992
Story2	P31	Comb17	-14.1871	-2.18123333	0.4294	-0.0265	0.4902	-6.9992
Story2	P31	Comb18	-14.1871	-2.18123333	0.4294	-0.0265	0.4902	-6.9992
Story2	P32	Comb3	-10.3019	-0.21076667	1.2135	-0.0319	1.9552	-0.0246
Story2	P32	Comb4	-10.3019	-0.21076667	1.2135	-0.0319	1.9552	-0.0246
Story2	P32	Comb5	-10.3019	-0.21076667	1.2135	-0.0319	1.9552	-0.0246
Story2	P32	Comb6	-10.3019	-0.21076667	1.2135	-0.0319	1.9552	-0.0246
Story2	P32	Comb7	-9.9628	0.1492	1.1932	-0.0324	1.9202	0.5282
Story2	P32	Comb8	-9.9628	0.1492	1.1932	-0.0324	1.9202	0.5282
Story2	P32	Comb9	-9.9628	0.1492	1.1932	-0.0324	1.9202	0.5282
Story2	P32	Comb10	-8.5509	0.11486667	1.0464	-0.0299	1.679	0.4143
Story2	P32	Comb11	-7.2223	-0.48603333	0.6392	-0.014	1.0479	-0.9372
Story2	P32	Comb12	-7.2223	-0.48603333	0.6392	-0.014	1.0479	-0.9372
Story2	P32	Comb13	-7.2223	-0.48603333	0.6392	-0.014	1.0479	-0.9372
Story2	P32	Comb14	-7.2223	-0.48603333	0.6392	-0.014	1.0479	-0.9372
Story2	P32	Comb15	-6.8831	-0.12606667	0.6188	-0.0145	1.0128	-0.3845
Story2	P32	Comb16	-6.8831	-0.12606667	0.6188	-0.0145	1.0128	-0.3845
Story2	P32	Comb17	-6.8831	-0.12606667	0.6188	-0.0145	1.0128	-0.3845
Story2	P32	Comb18	-6.8831	-0.12606667	0.6188	-0.0145	1.0128	-0.3845
Story2	P33	Comb3	-8.1281	-1.4008	1.0635	0.0125	1.4982	-4.596
Story2	P33	Comb4	-8.1281	-1.4008	1.0635	0.0125	1.4982	-4.596
Story2	P33	Comb5	-8.1281	-1.4008	1.0635	0.0125	1.4982	-4.596
Story2	P33	Comb6	-8.1281	-1.4008	1.0635	0.0125	1.4982	-4.596
Story2	P33	Comb7	-8.2941	-1.13993333	1.0381	0.0116	1.4549	-3.993
Story2	P33	Comb8	-8.2941	-1.13993333	1.0381	0.0116	1.4549	-3.993
Story2	P33	Comb9	-8.2941	-1.13993333	1.0381	0.0116	1.4549	-3.993
Story2	P33	Comb10	-7.1625	-1.0498	0.9209	0.0124	1.2808	-3.6283
Story2	P33	Comb11	-5.4585	-0.9659	0.5056	-0.0055	0.7502	-2.9758
Story2	P33	Comb12	-5.4585	-0.9659	0.5056	-0.0055	0.7502	-2.9758
Story2	P33	Comb13	-5.4585	-0.9659	0.5056	-0.0055	0.7502	-2.9758
Story2	P33	Comb14	-5.4585	-0.9659	0.5056	-0.0055	0.7502	-2.9758
Story2	P33	Comb15	-5.6244	-0.70503333	0.4801	-0.0065	0.707	-2.3729
Story2	P33	Comb16	-5.6244	-0.70503333	0.4801	-0.0065	0.707	-2.3729
Story2	P33	Comb17	-5.6244	-0.70503333	0.4801	-0.0065	0.707	-2.3729
Story2	P33	Comb18	-5.6244	-0.70503333	0.4801	-0.0065	0.707	-2.3729

Story2	P34	Comb3	-13.4095	0.60013333	0.9367	-0.1602	1.1946	3.2173
Story2	P34	Comb4	-13.4095	0.60013333	0.9367	-0.1602	1.1946	3.2173
Story2	P34	Comb5	-13.4095	0.60013333	0.9367	-0.1602	1.1946	3.2173
Story2	P34	Comb6	-13.4095	0.60013333	0.9367	-0.1602	1.1946	3.2173
Story2	P34	Comb7	-13.8047	0.62656667	0.9196	-0.1699	1.1718	2.0902
Story2	P34	Comb8	-13.8047	0.62656667	0.9196	-0.1699	1.1718	2.0902
Story2	P34	Comb9	-13.8047	0.62656667	0.9196	-0.1699	1.1718	2.0902
Story2	P34	Comb10	-11.8855	0.5	0.8168	-0.1557	1.0313	1.6222
Story2	P34	Comb11	-9.1564	-0.09226667	0.4218	-0.0775	0.5603	0.7317
Story2	P34	Comb12	-9.1564	-0.09226667	0.4218	-0.0775	0.5603	0.7317
Story2	P34	Comb13	-9.1564	-0.09226667	0.4218	-0.0775	0.5603	0.7317
Story2	P34	Comb14	-9.1564	-0.09226667	0.4218	-0.0775	0.5603	0.7317
Story2	P34	Comb15	-9.5516	-0.0658	0.4047	-0.0871	0.5375	-0.3953
Story2	P34	Comb16	-9.5516	-0.0658	0.4047	-0.0871	0.5375	-0.3953
Story2	P34	Comb17	-9.5516	-0.0658	0.4047	-0.0871	0.5375	-0.3953
Story2	P34	Comb18	-9.5516	-0.0658	0.4047	-0.0871	0.5375	-0.3953
Story2	P35	Comb3	-8.0521	-0.19483333	-0.0414	-0.0334	-0.0782	-0.6425
Story2	P35	Comb4	-8.0521	-0.19483333	-0.0414	-0.0334	-0.0782	-0.6425
Story2	P35	Comb5	-8.0521	-0.19483333	-0.0414	-0.0334	-0.0782	-0.6425
Story2	P35	Comb6	-8.0521	-0.19483333	-0.0414	-0.0334	-0.0782	-0.6425
Story2	P35	Comb7	-8.5595	-0.29646667	-0.0446	-0.0343	-0.0827	-1.1762
Story2	P35	Comb8	-8.5595	-0.29646667	-0.0446	-0.0343	-0.0827	-1.1762
Story2	P35	Comb9	-8.5595	-0.29646667	-0.0446	-0.0343	-0.0827	-1.1762
Story2	P35	Comb10	-7.6923	-0.30136667	-0.0401	-0.0326	-0.0739	-1.1752
Story2	P35	Comb11	-5.6509	-0.3873	-0.0338	-0.0181	-0.0604	-1.2938
Story2	P35	Comb12	-5.6509	-0.3873	-0.0338	-0.0181	-0.0604	-1.2938
Story2	P35	Comb13	-5.6509	-0.3873	-0.0338	-0.0181	-0.0604	-1.2938
Story2	P35	Comb14	-5.6509	-0.3873	-0.0338	-0.0181	-0.0604	-1.2938
Story2	P35	Comb15	-6.1583	-0.48896667	-0.0369	-0.019	-0.0649	-1.8274
Story2	P35	Comb16	-6.1583	-0.48896667	-0.0369	-0.019	-0.0649	-1.8274
Story2	P35	Comb17	-6.1583	-0.48896667	-0.0369	-0.019	-0.0649	-1.8274
Story2	P35	Comb18	-6.1583	-0.48896667	-0.0369	-0.019	-0.0649	-1.8274
Story2	P36	Comb3	-14.0952	-1.514	0.6842	0.1877	0.5533	-5.9303
Story2	P36	Comb4	-14.0952	-1.514	0.6842	0.1877	0.5533	-5.9303
Story2	P36	Comb5	-14.0952	-1.514	0.6842	0.1877	0.5533	-5.9303
Story2	P36	Comb6	-14.0952	-1.514	0.6842	0.1877	0.5533	-5.9303
Story2	P36	Comb7	-14.3114	-1.57253333	0.64	0.169	0.4811	-6.8745
Story2	P36	Comb8	-14.3114	-1.57253333	0.64	0.169	0.4811	-6.8745
Story2	P36	Comb9	-14.3114	-1.57253333	0.64	0.169	0.4811	-6.8745
Story2	P36	Comb10	-12.7044	-1.46806667	0.581	0.1477	0.4334	-6.4978
Story2	P36	Comb11	-8.8379	-0.9783	0.1812	0.0703	0.1156	-4.4782

Story2	P36	Comb12	-8.8379	-0.9783	0.1812	0.0703	0.1156	-4.4782
Story2	P36	Comb13	-8.8379	-0.9783	0.1812	0.0703	0.1156	-4.4782
Story2	P36	Comb14	-8.8379	-0.9783	0.1812	0.0703	0.1156	-4.4782
Story2	P36	Comb15	-9.0541	-1.0368	0.137	0.0517	0.0433	-5.4224
Story2	P36	Comb16	-9.0541	-1.0368	0.137	0.0517	0.0433	-5.4224
Story2	P36	Comb17	-9.0541	-1.0368	0.137	0.0517	0.0433	-5.4224
Story2	P36	Comb18	-9.0541	-1.0368	0.137	0.0517	0.0433	-5.4224
Story2	P37	Comb3	-9.188	-1.29243333	1.2282	-0.012	2.0858	-4.0788
Story2	P37	Comb4	-9.188	-1.29243333	1.2282	-0.012	2.0858	-4.0788
Story2	P37	Comb5	-9.188	-1.29243333	1.2282	-0.012	2.0858	-4.0788
Story2	P37	Comb6	-9.188	-1.29243333	1.2282	-0.012	2.0858	-4.0788
Story2	P37	Comb7	-9.4484	-1.25683333	1.2004	-0.025	2.0317	-4.8466
Story2	P37	Comb8	-9.4484	-1.25683333	1.2004	-0.025	2.0317	-4.8466
Story2	P37	Comb9	-9.4484	-1.25683333	1.2004	-0.025	2.0317	-4.8466
Story2	P37	Comb10	-8.0751	-1.24763333	1.0485	-0.0263	1.7691	-4.7982
Story2	P37	Comb11	-6.6602	-1.40103333	0.6515	-0.0092	1.1263	-4.4112
Story2	P37	Comb12	-6.6602	-1.40103333	0.6515	-0.0092	1.1263	-4.4112
Story2	P37	Comb13	-6.6602	-1.40103333	0.6515	-0.0092	1.1263	-4.4112
Story2	P37	Comb14	-6.6602	-1.40103333	0.6515	-0.0092	1.1263	-4.4112
Story2	P37	Comb15	-6.9206	-1.36543333	0.6237	-0.0222	1.0722	-5.179
Story2	P37	Comb16	-6.9206	-1.36543333	0.6237	-0.0222	1.0722	-5.179
Story2	P37	Comb17	-6.9206	-1.36543333	0.6237	-0.0222	1.0722	-5.179
Story2	P37	Comb18	-6.9206	-1.36543333	0.6237	-0.0222	1.0722	-5.179
Story2	P38	Comb3	-12.5996	-2.50123333	1.1614	0.0042	1.5596	-8.3033
Story2	P38	Comb4	-12.5996	-2.50123333	1.1614	0.0042	1.5596	-8.3033
Story2	P38	Comb5	-12.5996	-2.50123333	1.1614	0.0042	1.5596	-8.3033
Story2	P38	Comb6	-12.5996	-2.50123333	1.1614	0.0042	1.5596	-8.3033
Story2	P38	Comb7	-12.7689	-2.39256667	1.1056	-0.0094	1.475	-8.6825
Story2	P38	Comb8	-12.7689	-2.39256667	1.1056	-0.0094	1.475	-8.6825
Story2	P38	Comb9	-12.7689	-2.39256667	1.1056	-0.0094	1.475	-8.6825
Story2	P38	Comb10	-11.2756	-2.3289	0.9783	-0.0086	1.2903	-8.4187
Story2	P38	Comb11	-8.0654	-2.086	0.5128	-0.0184	0.7446	-6.849
Story2	P38	Comb12	-8.0654	-2.086	0.5128	-0.0184	0.7446	-6.849
Story2	P38	Comb13	-8.0654	-2.086	0.5128	-0.0184	0.7446	-6.849
Story2	P38	Comb14	-8.0654	-2.086	0.5128	-0.0184	0.7446	-6.849
Story2	P38	Comb15	-8.2348	-1.97733333	0.457	-0.032	0.66	-7.2282
Story2	P38	Comb16	-8.2348	-1.97733333	0.457	-0.032	0.66	-7.2282
Story2	P38	Comb17	-8.2348	-1.97733333	0.457	-0.032	0.66	-7.2282
Story2	P38	Comb18	-8.2348	-1.97733333	0.457	-0.032	0.66	-7.2282
Story2	P39	Comb3	-32.9028	-6.233	0.6048	0.1359	0.4917	-18.7876
Story2	P39	Comb4	-32.9028	-6.233	0.6048	0.1359	0.4917	-18.7876

Story2	P39	Comb5	-32.9028	-6.233	0.6048	0.1359	0.4917	-18.7876
Story2	P39	Comb6	-32.9028	-6.233	0.6048	0.1359	0.4917	-18.7876
Story2	P39	Comb7	-35.7974	-4.9824	0.4995	0.1111	0.3316	-14.519
Story2	P39	Comb8	-35.7974	-4.9824	0.4995	0.1111	0.3316	-14.519
Story2	P39	Comb9	-35.7974	-4.9824	0.4995	0.1111	0.3316	-14.519
Story2	P39	Comb10	-31.3949	-4.93453333	0.4365	0.0951	0.2716	-14.4274
Story2	P39	Comb11	-22.8767	-5.80656667	0.1811	0.0278	0.113	-18.1495
Story2	P39	Comb12	-22.8767	-5.80656667	0.1811	0.0278	0.113	-18.1495
Story2	P39	Comb13	-22.8767	-5.80656667	0.1811	0.0278	0.113	-18.1495
Story2	P39	Comb14	-22.8767	-5.80656667	0.1811	0.0278	0.113	-18.1495
Story2	P39	Comb15	-25.7713	-4.55596667	0.0759	0.0029	-0.047	-13.8809
Story2	P39	Comb16	-25.7713	-4.55596667	0.0759	0.0029	-0.047	-13.8809
Story2	P39	Comb17	-25.7713	-4.55596667	0.0759	0.0029	-0.047	-13.8809
Story2	P39	Comb18	-25.7713	-4.55596667	0.0759	0.0029	-0.047	-13.8809
Story2	P40	Comb3	-10.1435	-1.19663333	0.6013	0.0166	0.7577	-3.2006
Story2	P40	Comb4	-10.1435	-1.19663333	0.6013	0.0166	0.7577	-3.2006
Story2	P40	Comb5	-10.1435	-1.19663333	0.6013	0.0166	0.7577	-3.2006
Story2	P40	Comb6	-10.1435	-1.19663333	0.6013	0.0166	0.7577	-3.2006
Story2	P40	Comb7	-10.052	-1.0241	0.5224	0.008	0.6183	-2.7851
Story2	P40	Comb8	-10.052	-1.0241	0.5224	0.008	0.6183	-2.7851
Story2	P40	Comb9	-10.052	-1.0241	0.5224	0.008	0.6183	-2.7851
Story2	P40	Comb10	-8.7171	-1.0881	0.4543	0.0024	0.523	-3.0244
Story2	P40	Comb11	-6.6409	-1.65456667	0.2348	0.0143	0.3028	-4.7445
Story2	P40	Comb12	-6.6409	-1.65456667	0.2348	0.0143	0.3028	-4.7445
Story2	P40	Comb13	-6.6409	-1.65456667	0.2348	0.0143	0.3028	-4.7445
Story2	P40	Comb14	-6.6409	-1.65456667	0.2348	0.0143	0.3028	-4.7445
Story2	P40	Comb15	-6.5494	-1.48203333	0.1559	0.0057	0.1633	-4.329
Story2	P40	Comb16	-6.5494	-1.48203333	0.1559	0.0057	0.1633	-4.329
Story2	P40	Comb17	-6.5494	-1.48203333	0.1559	0.0057	0.1633	-4.329
Story2	P40	Comb18	-6.5494	-1.48203333	0.1559	0.0057	0.1633	-4.329
Story2	P41	Comb3	-10.6765	-1.47243333	1.1739	0.0044	1.9097	-4.0088
Story2	P41	Comb4	-10.6765	-1.47243333	1.1739	0.0044	1.9097	-4.0088
Story2	P41	Comb5	-10.6765	-1.47243333	1.1739	0.0044	1.9097	-4.0088
Story2	P41	Comb6	-10.6765	-1.47243333	1.1739	0.0044	1.9097	-4.0088
Story2	P41	Comb7	-11.199	-1.4959	1.127	-0.0066	1.8221	-4.2758
Story2	P41	Comb8	-11.199	-1.4959	1.127	-0.0066	1.8221	-4.2758
Story2	P41	Comb9	-11.199	-1.4959	1.127	-0.0066	1.8221	-4.2758
Story2	P41	Comb10	-9.7521	-1.49843333	0.9833	-0.0072	1.5807	-4.3023
Story2	P41	Comb11	-7.387	-1.2415	0.5972	-0.0084	1.0026	-3.2968
Story2	P41	Comb12	-7.387	-1.2415	0.5972	-0.0084	1.0026	-3.2968
Story2	P41	Comb13	-7.387	-1.2415	0.5972	-0.0084	1.0026	-3.2968

Story2	P41	Comb14	-7.387	-1.2415	0.5972	-0.0084	1.0026	-3.2968
Story2	P41	Comb15	-7.9095	-1.26496667	0.5503	-0.0194	0.9149	-3.5638
Story2	P41	Comb16	-7.9095	-1.26496667	0.5503	-0.0194	0.9149	-3.5638
Story2	P41	Comb17	-7.9095	-1.26496667	0.5503	-0.0194	0.9149	-3.5638
Story2	P41	Comb18	-7.9095	-1.26496667	0.5503	-0.0194	0.9149	-3.5638
Story2	P42	Comb3	-12.2049	0.3061	0.5305	-0.1458	0.5526	1.3592
Story2	P42	Comb4	-12.2049	0.3061	0.5305	-0.1458	0.5526	1.3592
Story2	P42	Comb5	-12.2049	0.3061	0.5305	-0.1458	0.5526	1.3592
Story2	P42	Comb6	-12.2049	0.3061	0.5305	-0.1458	0.5526	1.3592
Story2	P42	Comb7	-13.4476	-0.25416667	0.4625	-0.1631	0.4427	-0.6995
Story2	P42	Comb8	-13.4476	-0.25416667	0.4625	-0.1631	0.4427	-0.6995
Story2	P42	Comb9	-13.4476	-0.25416667	0.4625	-0.1631	0.4427	-0.6995
Story2	P42	Comb10	-12.0062	-0.34963333	0.4062	-0.1491	0.3762	-1.0196
Story2	P42	Comb11	-7.8681	-0.39793333	0.1796	-0.082	0.183	-0.9765
Story2	P42	Comb12	-7.8681	-0.39793333	0.1796	-0.082	0.183	-0.9765
Story2	P42	Comb13	-7.8681	-0.39793333	0.1796	-0.082	0.183	-0.9765
Story2	P42	Comb14	-7.8681	-0.39793333	0.1796	-0.082	0.183	-0.9765
Story2	P42	Comb15	-9.1108	-0.95823333	0.1116	-0.0993	0.0731	-3.0352
Story2	P42	Comb16	-9.1108	-0.95823333	0.1116	-0.0993	0.0731	-3.0352
Story2	P42	Comb17	-9.1108	-0.95823333	0.1116	-0.0993	0.0731	-3.0352
Story2	P42	Comb18	-9.1108	-0.95823333	0.1116	-0.0993	0.0731	-3.0352
Story2	P43	Comb3	-18.3263	-2.10426667	0.3222	0.0487	-0.0802	-5.8054
Story2	P43	Comb4	-18.3263	-2.10426667	0.3222	0.0487	-0.0802	-5.8054
Story2	P43	Comb5	-18.3263	-2.10426667	0.3222	0.0487	-0.0802	-5.8054
Story2	P43	Comb6	-18.3263	-2.10426667	0.3222	0.0487	-0.0802	-5.8054
Story2	P43	Comb7	-20.4965	-2.6067	0.2932	0.0321	-0.131	-8.104
Story2	P43	Comb8	-20.4965	-2.6067	0.2932	0.0321	-0.131	-8.104
Story2	P43	Comb9	-20.4965	-2.6067	0.2932	0.0321	-0.131	-8.104
Story2	P43	Comb10	-18.7248	-2.573	0.2692	0.0256	-0.1109	-8.0144
Story2	P43	Comb11	-12.2113	-1.67296667	-0.0521	-0.0014	-0.2388	-4.4598
Story2	P43	Comb12	-12.2113	-1.67296667	-0.0521	-0.0014	-0.2388	-4.4598
Story2	P43	Comb13	-12.2113	-1.67296667	-0.0521	-0.0014	-0.2388	-4.4598
Story2	P43	Comb14	-12.2113	-1.67296667	-0.0521	-0.0014	-0.2388	-4.4598
Story2	P43	Comb15	-14.3815	-2.1754	-0.0811	-0.0179	-0.2896	-6.7585
Story2	P43	Comb16	-14.3815	-2.1754	-0.0811	-0.0179	-0.2896	-6.7585
Story2	P43	Comb17	-14.3815	-2.1754	-0.0811	-0.0179	-0.2896	-6.7585
Story2	P43	Comb18	-14.3815	-2.1754	-0.0811	-0.0179	-0.2896	-6.7585
Story2	P44	Comb3	-7.5224	-2.50086667	-0.2639	-0.034	-0.5239	-9.5312
Story2	P44	Comb4	-7.5224	-2.50086667	-0.2639	-0.034	-0.5239	-9.5312
Story2	P44	Comb5	-7.5224	-2.50086667	-0.2639	-0.034	-0.5239	-9.5312
Story2	P44	Comb6	-7.5224	-2.50086667	-0.2639	-0.034	-0.5239	-9.5312

Story2	P44	Comb7	-8.7361	-3.87703333	-0.3168	-0.0438	-0.6111	-15.1292
Story2	P44	Comb8	-8.7361	-3.87703333	-0.3168	-0.0438	-0.6111	-15.1292
Story2	P44	Comb9	-8.7361	-3.87703333	-0.3168	-0.0438	-0.6111	-15.1292
Story2	P44	Comb10	-7.7567	-3.79846667	-0.2868	-0.0426	-0.5522	-14.7717
Story2	P44	Comb11	-5.9221	-2.4317	-0.1987	-0.024	-0.3588	-9.0418
Story2	P44	Comb12	-5.9221	-2.4317	-0.1987	-0.024	-0.3588	-9.0418
Story2	P44	Comb13	-5.9221	-2.4317	-0.1987	-0.024	-0.3588	-9.0418
Story2	P44	Comb14	-5.9221	-2.4317	-0.1987	-0.024	-0.3588	-9.0418
Story2	P44	Comb15	-7.1358	-3.80786667	-0.2515	-0.0339	-0.446	-14.6398
Story2	P44	Comb16	-7.1358	-3.80786667	-0.2515	-0.0339	-0.446	-14.6398
Story2	P44	Comb17	-7.1358	-3.80786667	-0.2515	-0.0339	-0.446	-14.6398
Story2	P44	Comb18	-7.1358	-3.80786667	-0.2515	-0.0339	-0.446	-14.6398
Story2	P45	Comb3	-35.1553	-14.5503667	-0.2541	-0.1364	-0.3713	-53.0243
Story2	P45	Comb4	-35.1553	-14.5503667	-0.2541	-0.1364	-0.3713	-53.0243
Story2	P45	Comb5	-35.1553	-14.5503667	-0.2541	-0.1364	-0.3713	-53.0243
Story2	P45	Comb6	-35.1553	-14.5503667	-0.2541	-0.1364	-0.3713	-53.0243
Story2	P45	Comb7	-33.6066	-7.8224	-0.2926	-0.1453	-0.4259	-26.6235
Story2	P45	Comb8	-33.6066	-7.8224	-0.2926	-0.1453	-0.4259	-26.6235
Story2	P45	Comb9	-33.6066	-7.8224	-0.2926	-0.1453	-0.4259	-26.6235
Story2	P45	Comb10	-28.405	-7.67993333	-0.2828	-0.1449	-0.4137	-26.0541
Story2	P45	Comb11	-26.7924	-13.9768	-0.2221	-0.1447	-0.3215	-50.6646
Story2	P45	Comb12	-26.7924	-13.9768	-0.2221	-0.1447	-0.3215	-50.6646
Story2	P45	Comb13	-26.7924	-13.9768	-0.2221	-0.1447	-0.3215	-50.6646
Story2	P45	Comb14	-26.7924	-13.9768	-0.2221	-0.1447	-0.3215	-50.6646
Story2	P45	Comb15	-25.2437	-7.24883333	-0.2607	-0.1536	-0.3761	-24.2638
Story2	P45	Comb16	-25.2437	-7.24883333	-0.2607	-0.1536	-0.3761	-24.2638
Story2	P45	Comb17	-25.2437	-7.24883333	-0.2607	-0.1536	-0.3761	-24.2638
Story2	P45	Comb18	-25.2437	-7.24883333	-0.2607	-0.1536	-0.3761	-24.2638
Story2	P46	Comb3	-120.8642	-49.4049	-9.6257	-2.2259	-15.3732	-208.3896
Story2	P46	Comb4	-120.8642	-49.4049	-9.6257	-2.2259	-15.3732	-208.3896
Story2	P46	Comb5	-120.8642	-49.4049	-9.6257	-2.2259	-15.3732	-208.3896
Story2	P46	Comb6	-120.8642	-49.4049	-9.6257	-2.2259	-15.3732	-208.3896
Story2	P46	Comb7	-119.8613	-25.5748	-9.8104	-2.3118	-15.6453	-100.111
Story2	P46	Comb8	-119.8613	-25.5748	-9.8104	-2.3118	-15.6453	-100.111
Story2	P46	Comb9	-119.8613	-25.5748	-9.8104	-2.3118	-15.6453	-100.111
Story2	P46	Comb10	-101.7404	-25.9855333	-8.8068	-2.1902	-13.8915	-101.828
Story2	P46	Comb11	-86.645	-51.3286333	-4.69	-0.7299	-8.1624	-218.7798
Story2	P46	Comb12	-86.645	-51.3286333	-4.69	-0.7299	-8.1624	-218.7798
Story2	P46	Comb13	-86.645	-51.3286333	-4.69	-0.7299	-8.1624	-218.7798
Story2	P46	Comb14	-86.645	-51.3286333	-4.69	-0.7299	-8.1624	-218.7798
Story2	P46	Comb15	-85.6421	-27.4985333	-4.8747	-0.8159	-8.4346	-110.5012

Story2	P46	Comb16	-85.6421	-27.4985333	-4.8747	-0.8159	-8.4346	-110.5012
Story2	P46	Comb17	-85.6421	-27.4985333	-4.8747	-0.8159	-8.4346	-110.5012
Story2	P46	Comb18	-85.6421	-27.4985333	-4.8747	-0.8159	-8.4346	-110.5012
Story2	P47	Comb3	-62.7916	-20.8305667	-10.1761	-3.9506	-17.2852	-89.64
Story2	P47	Comb4	-62.7916	-20.8305667	-10.1761	-3.9506	-17.2852	-89.64
Story2	P47	Comb5	-62.7916	-20.8305667	-10.1761	-3.9506	-17.2852	-89.64
Story2	P47	Comb6	-62.7916	-20.8305667	-10.1761	-3.9506	-17.2852	-89.64
Story2	P47	Comb7	-60.1289	-12.2567	-10.2773	-4.0535	-17.4546	-58.5669
Story2	P47	Comb8	-60.1289	-12.2567	-10.2773	-4.0535	-17.4546	-58.5669
Story2	P47	Comb9	-60.1289	-12.2567	-10.2773	-4.0535	-17.4546	-58.5669
Story2	P47	Comb10	-51.7897	-12.4373667	-9.0982	-3.5539	-15.3738	-58.5893
Story2	P47	Comb11	-44.2366	-22.9771333	-5.4149	-2.3811	-9.5278	-92.6514
Story2	P47	Comb12	-44.2366	-22.9771333	-5.4149	-2.3811	-9.5278	-92.6514
Story2	P47	Comb13	-44.2366	-22.9771333	-5.4149	-2.3811	-9.5278	-92.6514
Story2	P47	Comb14	-44.2366	-22.9771333	-5.4149	-2.3811	-9.5278	-92.6514
Story2	P47	Comb15	-41.5739	-14.4032667	-5.5162	-2.484	-9.6972	-61.5783
Story2	P47	Comb16	-41.5739	-14.4032667	-5.5162	-2.484	-9.6972	-61.5783
Story2	P47	Comb17	-41.5739	-14.4032667	-5.5162	-2.484	-9.6972	-61.5783
Story2	P47	Comb18	-41.5739	-14.4032667	-5.5162	-2.484	-9.6972	-61.5783
Story2	P48	Comb3	-42.0829	-8.98903333	-3.7746	1.9963	-5.6482	-31.9294
Story2	P48	Comb4	-42.0829	-8.98903333	-3.7746	1.9963	-5.6482	-31.9294
Story2	P48	Comb5	-42.0829	-8.98903333	-3.7746	1.9963	-5.6482	-31.9294
Story2	P48	Comb6	-42.0829	-8.98903333	-3.7746	1.9963	-5.6482	-31.9294
Story2	P48	Comb7	-45.7657	-6.35556667	-3.9012	1.9997	-5.8514	-23.0725
Story2	P48	Comb8	-45.7657	-6.35556667	-3.9012	1.9997	-5.8514	-23.0725
Story2	P48	Comb9	-45.7657	-6.35556667	-3.9012	1.9997	-5.8514	-23.0725
Story2	P48	Comb10	-40.076	-6.58723333	-3.4968	1.7697	-5.2069	-23.9531
Story2	P48	Comb11	-28.9118	-9.9777	-1.9396	0.9552	-3.0934	-35.1531
Story2	P48	Comb12	-28.9118	-9.9777	-1.9396	0.9552	-3.0934	-35.1531
Story2	P48	Comb13	-28.9118	-9.9777	-1.9396	0.9552	-3.0934	-35.1531
Story2	P48	Comb14	-28.9118	-9.9777	-1.9396	0.9552	-3.0934	-35.1531
Story2	P48	Comb15	-32.5946	-7.34423333	-2.0661	0.9586	-3.2966	-26.2961
Story2	P48	Comb16	-32.5946	-7.34423333	-2.0661	0.9586	-3.2966	-26.2961
Story2	P48	Comb17	-32.5946	-7.34423333	-2.0661	0.9586	-3.2966	-26.2961
Story2	P48	Comb18	-32.5946	-7.34423333	-2.0661	0.9586	-3.2966	-26.2961
Story2	P49	Comb3	-14.7788	-1.57203333	-2.9717	0.0254	-5.2007	-4.5212
Story2	P49	Comb4	-14.7788	-1.57203333	-2.9717	0.0254	-5.2007	-4.5212
Story2	P49	Comb5	-14.7788	-1.57203333	-2.9717	0.0254	-5.2007	-4.5212
Story2	P49	Comb6	-14.7788	-1.57203333	-2.9717	0.0254	-5.2007	-4.5212
Story2	P49	Comb7	-14.8113	-1.1058	-2.9872	0.0249	-5.2133	-4.4215
Story2	P49	Comb8	-14.8113	-1.1058	-2.9872	0.0249	-5.2133	-4.4215

Story2	P49	Comb9	-14.8113	-1.1058	-2.9872	0.0249	-5.2133	-4.4215
Story2	P49	Comb10	-12.747	-1.1232	-2.6401	0.0245	-4.5816	-4.4249
Story2	P49	Comb11	-10.2215	-1.79096667	-1.5775	-0.0171	-2.8599	-4.9575
Story2	P49	Comb12	-10.2215	-1.79096667	-1.5775	-0.0171	-2.8599	-4.9575
Story2	P49	Comb13	-10.2215	-1.79096667	-1.5775	-0.0171	-2.8599	-4.9575
Story2	P49	Comb14	-10.2215	-1.79096667	-1.5775	-0.0171	-2.8599	-4.9575
Story2	P49	Comb15	-10.2541	-1.3247	-1.593	-0.0177	-2.8725	-4.8578
Story2	P49	Comb16	-10.2541	-1.3247	-1.593	-0.0177	-2.8725	-4.8578
Story2	P49	Comb17	-10.2541	-1.3247	-1.593	-0.0177	-2.8725	-4.8578
Story2	P49	Comb18	-10.2541	-1.3247	-1.593	-0.0177	-2.8725	-4.8578
Story2	P50	Comb3	-14.0274	-1.8949	-3.1752	-0.1033	-5.3724	-4.439
Story2	P50	Comb4	-14.0274	-1.8949	-3.1752	-0.1033	-5.3724	-4.439
Story2	P50	Comb5	-14.0274	-1.8949	-3.1752	-0.1033	-5.3724	-4.439
Story2	P50	Comb6	-14.0274	-1.8949	-3.1752	-0.1033	-5.3724	-4.439
Story2	P50	Comb7	-14.0704	-1.2364	-3.1933	-0.1133	-5.3959	-2.9206
Story2	P50	Comb8	-14.0704	-1.2364	-3.1933	-0.1133	-5.3959	-2.9206
Story2	P50	Comb9	-14.0704	-1.2364	-3.1933	-0.1133	-5.3959	-2.9206
Story2	P50	Comb10	-12.2593	-1.2451	-2.8274	-0.1077	-4.749	-3.0195
Story2	P50	Comb11	-9.6713	-1.6666	-1.6765	-0.0434	-2.951	-3.9656
Story2	P50	Comb12	-9.6713	-1.6666	-1.6765	-0.0434	-2.951	-3.9656
Story2	P50	Comb13	-9.6713	-1.6666	-1.6765	-0.0434	-2.951	-3.9656
Story2	P50	Comb14	-9.6713	-1.6666	-1.6765	-0.0434	-2.951	-3.9656
Story2	P50	Comb15	-9.7142	-1.0081	-1.6946	-0.0534	-2.9745	-2.4472
Story2	P50	Comb16	-9.7142	-1.0081	-1.6946	-0.0534	-2.9745	-2.4472
Story2	P50	Comb17	-9.7142	-1.0081	-1.6946	-0.0534	-2.9745	-2.4472
Story2	P50	Comb18	-9.7142	-1.0081	-1.6946	-0.0534	-2.9745	-2.4472
Story2	P51	Comb3	-74.5939	-27.4247667	-3.9387	0.5654	-4.8303	-109.8258
Story2	P51	Comb4	-74.5939	-27.4247667	-3.9387	0.5654	-4.8303	-109.8258
Story2	P51	Comb5	-74.5939	-27.4247667	-3.9387	0.5654	-4.8303	-109.8258
Story2	P51	Comb6	-74.5939	-27.4247667	-3.9387	0.5654	-4.8303	-109.8258
Story2	P51	Comb7	-88.6448	-19.9387	-4.059	0.4864	-4.9619	-82.6373
Story2	P51	Comb8	-88.6448	-19.9387	-4.059	0.4864	-4.9619	-82.6373
Story2	P51	Comb9	-88.6448	-19.9387	-4.059	0.4864	-4.9619	-82.6373
Story2	P51	Comb10	-79.7746	-19.2962	-3.6722	0.376	-4.4427	-80.1061
Story2	P51	Comb11	-53.3194	-23.3820667	-1.8954	0.3291	-2.4943	-96.6999
Story2	P51	Comb12	-53.3194	-23.3820667	-1.8954	0.3291	-2.4943	-96.6999
Story2	P51	Comb13	-53.3194	-23.3820667	-1.8954	0.3291	-2.4943	-96.6999
Story2	P51	Comb14	-53.3194	-23.3820667	-1.8954	0.3291	-2.4943	-96.6999
Story2	P51	Comb15	-67.3703	-15.8959667	-2.0157	0.2502	-2.6259	-69.5113
Story2	P51	Comb16	-67.3703	-15.8959667	-2.0157	0.2502	-2.6259	-69.5113
Story2	P51	Comb17	-67.3703	-15.8959667	-2.0157	0.2502	-2.6259	-69.5113

Story2	P51	Comb18	-67.3703	-15.8959667	-2.0157	0.2502	-2.6259	-69.5113
Story2	P52	Comb3	-20.0326	-1.92976667	-0.3241	-0.0724	-0.5318	-8.6313
Story2	P52	Comb4	-20.0326	-1.92976667	-0.3241	-0.0724	-0.5318	-8.6313
Story2	P52	Comb5	-20.0326	-1.92976667	-0.3241	-0.0724	-0.5318	-8.6313
Story2	P52	Comb6	-20.0326	-1.92976667	-0.3241	-0.0724	-0.5318	-8.6313
Story2	P52	Comb7	-20.4212	-2.61986667	-0.328	-0.0776	-0.5358	-11.6672
Story2	P52	Comb8	-20.4212	-2.61986667	-0.328	-0.0776	-0.5358	-11.6672
Story2	P52	Comb9	-20.4212	-2.61986667	-0.328	-0.0776	-0.5358	-11.6672
Story2	P52	Comb10	-18.4387	-2.66233333	-0.2923	-0.0723	-0.4776	-11.7969
Story2	P52	Comb11	-14.9178	-2.4632	-0.2043	-0.0778	-0.3246	-10.3304
Story2	P52	Comb12	-14.9178	-2.4632	-0.2043	-0.0778	-0.3246	-10.3304
Story2	P52	Comb13	-14.9178	-2.4632	-0.2043	-0.0778	-0.3246	-10.3304
Story2	P52	Comb14	-14.9178	-2.4632	-0.2043	-0.0778	-0.3246	-10.3304
Story2	P52	Comb15	-15.3064	-3.1533	-0.2082	-0.0829	-0.3286	-13.3663
Story2	P52	Comb16	-15.3064	-3.1533	-0.2082	-0.0829	-0.3286	-13.3663
Story2	P52	Comb17	-15.3064	-3.1533	-0.2082	-0.0829	-0.3286	-13.3663
Story2	P52	Comb18	-15.3064	-3.1533	-0.2082	-0.0829	-0.3286	-13.3663
Story2	P53	Comb3	-36.4478	-4.80163333	-3.0569	-1.709	-3.8309	-16.466
Story2	P53	Comb4	-36.4478	-4.80163333	-3.0569	-1.709	-3.8309	-16.466
Story2	P53	Comb5	-36.4478	-4.80163333	-3.0569	-1.709	-3.8309	-16.466
Story2	P53	Comb6	-36.4478	-4.80163333	-3.0569	-1.709	-3.8309	-16.466
Story2	P53	Comb7	-38.7465	-2.86646667	-3.0786	-1.7148	-3.8584	-9.4258
Story2	P53	Comb8	-38.7465	-2.86646667	-3.0786	-1.7148	-3.8584	-9.4258
Story2	P53	Comb9	-38.7465	-2.86646667	-3.0786	-1.7148	-3.8584	-9.4258
Story2	P53	Comb10	-34.2956	-2.87076667	-2.7996	-1.5631	-3.4652	-9.5844
Story2	P53	Comb11	-26.4107	-4.872	-1.3101	-0.7622	-1.844	-17.5313
Story2	P53	Comb12	-26.4107	-4.872	-1.3101	-0.7622	-1.844	-17.5313
Story2	P53	Comb13	-26.4107	-4.872	-1.3101	-0.7622	-1.844	-17.5313
Story2	P53	Comb14	-26.4107	-4.872	-1.3101	-0.7622	-1.844	-17.5313
Story2	P53	Comb15	-28.7094	-2.9368	-1.3317	-0.768	-1.8715	-10.4911
Story2	P53	Comb16	-28.7094	-2.9368	-1.3317	-0.768	-1.8715	-10.4911
Story2	P53	Comb17	-28.7094	-2.9368	-1.3317	-0.768	-1.8715	-10.4911
Story2	P53	Comb18	-28.7094	-2.9368	-1.3317	-0.768	-1.8715	-10.4911
Story2	P54	Comb3	-10.843	-0.9962	-2.1942	-0.0519	-3.5957	-2.5372
Story2	P54	Comb4	-10.843	-0.9962	-2.1942	-0.0519	-3.5957	-2.5372
Story2	P54	Comb5	-10.843	-0.9962	-2.1942	-0.0519	-3.5957	-2.5372
Story2	P54	Comb6	-10.843	-0.9962	-2.1942	-0.0519	-3.5957	-2.5372
Story2	P54	Comb7	-11.2487	-0.4636	-2.1951	-0.0493	-3.5943	-0.9004
Story2	P54	Comb8	-11.2487	-0.4636	-2.1951	-0.0493	-3.5943	-0.9004
Story2	P54	Comb9	-11.2487	-0.4636	-2.1951	-0.0493	-3.5943	-0.9004
Story2	P54	Comb10	-9.7538	-0.47726667	-1.9446	-0.0467	-3.1616	-0.9912

Story2	P54	Comb11	-8.0109	-0.98	-1.1323	-0.0202	-1.9561	-2.6535
Story2	P54	Comb12	-8.0109	-0.98	-1.1323	-0.0202	-1.9561	-2.6535
Story2	P54	Comb13	-8.0109	-0.98	-1.1323	-0.0202	-1.9561	-2.6535
Story2	P54	Comb14	-8.0109	-0.98	-1.1323	-0.0202	-1.9561	-2.6535
Story2	P54	Comb15	-8.4167	-0.4474	-1.1332	-0.0175	-1.9547	-1.0167
Story2	P54	Comb16	-8.4167	-0.4474	-1.1332	-0.0175	-1.9547	-1.0167
Story2	P54	Comb17	-8.4167	-0.4474	-1.1332	-0.0175	-1.9547	-1.0167
Story2	P54	Comb18	-8.4167	-0.4474	-1.1332	-0.0175	-1.9547	-1.0167
Story2	P55	Comb3	-12.8134	-0.2783	-1.0666	0.1765	-1.173	-0.9623
Story2	P55	Comb4	-12.8134	-0.2783	-1.0666	0.1765	-1.173	-0.9623
Story2	P55	Comb5	-12.8134	-0.2783	-1.0666	0.1765	-1.173	-0.9623
Story2	P55	Comb6	-12.8134	-0.2783	-1.0666	0.1765	-1.173	-0.9623
Story2	P55	Comb7	-13.7811	-0.5903	-1.0688	0.1784	-1.1721	-2.4125
Story2	P55	Comb8	-13.7811	-0.5903	-1.0688	0.1784	-1.1721	-2.4125
Story2	P55	Comb9	-13.7811	-0.5903	-1.0688	0.1784	-1.1721	-2.4125
Story2	P55	Comb10	-12.2367	-0.66123333	-0.97	0.1615	-1.0529	-2.665
Story2	P55	Comb11	-8.518	-0.8587	-0.4537	0.0713	-0.5489	-2.9894
Story2	P55	Comb12	-8.518	-0.8587	-0.4537	0.0713	-0.5489	-2.9894
Story2	P55	Comb13	-8.518	-0.8587	-0.4537	0.0713	-0.5489	-2.9894
Story2	P55	Comb14	-8.518	-0.8587	-0.4537	0.0713	-0.5489	-2.9894
Story2	P55	Comb15	-9.4857	-1.1707	-0.4559	0.0732	-0.548	-4.4395
Story2	P55	Comb16	-9.4857	-1.1707	-0.4559	0.0732	-0.548	-4.4395
Story2	P55	Comb17	-9.4857	-1.1707	-0.4559	0.0732	-0.548	-4.4395
Story2	P55	Comb18	-9.4857	-1.1707	-0.4559	0.0732	-0.548	-4.4395
Story2	P56	Comb3	-54.3455	-14.3848667	-2.9468	-3.3684	-4.3107	-61.7172
Story2	P56	Comb4	-54.3455	-14.3848667	-2.9468	-3.3684	-4.3107	-61.7172
Story2	P56	Comb5	-54.3455	-14.3848667	-2.9468	-3.3684	-4.3107	-61.7172
Story2	P56	Comb6	-54.3455	-14.3848667	-2.9468	-3.3684	-4.3107	-61.7172
Story2	P56	Comb7	-58.1433	-6.7676	-2.9885	-3.3732	-4.357	-26.8797
Story2	P56	Comb8	-58.1433	-6.7676	-2.9885	-3.3732	-4.357	-26.8797
Story2	P56	Comb9	-58.1433	-6.7676	-2.9885	-3.3732	-4.357	-26.8797
Story2	P56	Comb10	-50.2596	-6.751	-2.6875	-3.0753	-3.8712	-27.125
Story2	P56	Comb11	-39.1066	-13.9008	-1.4179	-1.4149	-2.2803	-63.5109
Story2	P56	Comb12	-39.1066	-13.9008	-1.4179	-1.4149	-2.2803	-63.5109
Story2	P56	Comb13	-39.1066	-13.9008	-1.4179	-1.4149	-2.2803	-63.5109
Story2	P56	Comb14	-39.1066	-13.9008	-1.4179	-1.4149	-2.2803	-63.5109
Story2	P56	Comb15	-42.9044	-6.28353333	-1.4597	-1.4197	-2.3266	-28.6735
Story2	P56	Comb16	-42.9044	-6.28353333	-1.4597	-1.4197	-2.3266	-28.6735
Story2	P56	Comb17	-42.9044	-6.28353333	-1.4597	-1.4197	-2.3266	-28.6735
Story2	P56	Comb18	-42.9044	-6.28353333	-1.4597	-1.4197	-2.3266	-28.6735
Story2	P57	Comb3	-29.7705	-4.28546667	-3.1833	-0.2562	-4.531	-12.836

Story2	P57	Comb4	-29.7705	-4.28546667	-3.1833	-0.2562	-4.531	-12.836
Story2	P57	Comb5	-29.7705	-4.28546667	-3.1833	-0.2562	-4.531	-12.836
Story2	P57	Comb6	-29.7705	-4.28546667	-3.1833	-0.2562	-4.531	-12.836
Story2	P57	Comb7	-30.6541	-2.25866667	-3.208	-0.2409	-4.5637	-6.5178
Story2	P57	Comb8	-30.6541	-2.25866667	-3.208	-0.2409	-4.5637	-6.5178
Story2	P57	Comb9	-30.6541	-2.25866667	-3.208	-0.2409	-4.5637	-6.5178
Story2	P57	Comb10	-26.4231	-2.21986667	-2.9027	-0.2281	-4.0645	-6.448
Story2	P57	Comb11	-19.9937	-3.77763333	-1.4039	-0.0949	-2.2979	-11.676
Story2	P57	Comb12	-19.9937	-3.77763333	-1.4039	-0.0949	-2.2979	-11.676
Story2	P57	Comb13	-19.9937	-3.77763333	-1.4039	-0.0949	-2.2979	-11.676
Story2	P57	Comb14	-19.9937	-3.77763333	-1.4039	-0.0949	-2.2979	-11.676
Story2	P57	Comb15	-20.8773	-1.75083333	-1.4285	-0.0796	-2.3306	-5.3578
Story2	P57	Comb16	-20.8773	-1.75083333	-1.4285	-0.0796	-2.3306	-5.3578
Story2	P57	Comb17	-20.8773	-1.75083333	-1.4285	-0.0796	-2.3306	-5.3578
Story2	P57	Comb18	-20.8773	-1.75083333	-1.4285	-0.0796	-2.3306	-5.3578
Story2	P58	Comb3	-7.5842	0.14736667	-0.8684	0.0367	-1.1773	-0.2179
Story2	P58	Comb4	-7.5842	0.14736667	-0.8684	0.0367	-1.1773	-0.2179
Story2	P58	Comb5	-7.5842	0.14736667	-0.8684	0.0367	-1.1773	-0.2179
Story2	P58	Comb6	-7.5842	0.14736667	-0.8684	0.0367	-1.1773	-0.2179
Story2	P58	Comb7	-7.7311	0.10936667	-0.8775	0.035	-1.1895	-0.008
Story2	P58	Comb8	-7.7311	0.10936667	-0.8775	0.035	-1.1895	-0.008
Story2	P58	Comb9	-7.7311	0.10936667	-0.8775	0.035	-1.1895	-0.008
Story2	P58	Comb10	-6.6731	0.10386667	-0.7963	0.0318	-1.0626	-0.0144
Story2	P58	Comb11	-5.3871	-0.06166667	-0.3738	0.006	-0.5815	-0.859
Story2	P58	Comb12	-5.3871	-0.06166667	-0.3738	0.006	-0.5815	-0.859
Story2	P58	Comb13	-5.3871	-0.06166667	-0.3738	0.006	-0.5815	-0.859
Story2	P58	Comb14	-5.3871	-0.06166667	-0.3738	0.006	-0.5815	-0.859
Story2	P58	Comb15	-5.5339	-0.0997	-0.3829	0.0042	-0.5937	-0.6491
Story2	P58	Comb16	-5.5339	-0.0997	-0.3829	0.0042	-0.5937	-0.6491
Story2	P58	Comb17	-5.5339	-0.0997	-0.3829	0.0042	-0.5937	-0.6491
Story2	P58	Comb18	-5.5339	-0.0997	-0.3829	0.0042	-0.5937	-0.6491
Story2	P59	Comb3	-64.2449	-28.8388667	9.8984	3.6782	16.8225	-121.6524
Story2	P59	Comb4	-64.2449	-28.8388667	9.8984	3.6782	16.8225	-121.6524
Story2	P59	Comb5	-64.2449	-28.8388667	9.8984	3.6782	16.8225	-121.6524
Story2	P59	Comb6	-64.2449	-28.8388667	9.8984	3.6782	16.8225	-121.6524
Story2	P59	Comb7	-60.8704	-19.0977667	9.8792	3.6659	16.8066	-84.1693
Story2	P59	Comb8	-60.8704	-19.0977667	9.8792	3.6659	16.8066	-84.1693
Story2	P59	Comb9	-60.8704	-19.0977667	9.8792	3.6659	16.8066	-84.1693
Story2	P59	Comb10	-52.5944	-19.2166667	8.7188	3.1812	14.7583	-84.0731
Story2	P59	Comb11	-46.3739	-29.8488333	5.1839	2.1456	9.1754	-121.5427
Story2	P59	Comb12	-46.3739	-29.8488333	5.1839	2.1456	9.1754	-121.5427

Story2	P59	Comb13	-46.3739	-29.8488333	5.1839	2.1456	9.1754	-121.5427
Story2	P59	Comb14	-46.3739	-29.8488333	5.1839	2.1456	9.1754	-121.5427
Story2	P59	Comb15	-42.9993	-20.1077333	5.1647	2.1333	9.1594	-84.0596
Story2	P59	Comb16	-42.9993	-20.1077333	5.1647	2.1333	9.1594	-84.0596
Story2	P59	Comb17	-42.9993	-20.1077333	5.1647	2.1333	9.1594	-84.0596
Story2	P59	Comb18	-42.9993	-20.1077333	5.1647	2.1333	9.1594	-84.0596
Story2	P60	Comb3	-45.3444	-11.9201	3.8696	-1.2064	5.5992	-44.6883
Story2	P60	Comb4	-45.3444	-11.9201	3.8696	-1.2064	5.5992	-44.6883
Story2	P60	Comb5	-45.3444	-11.9201	3.8696	-1.2064	5.5992	-44.6883
Story2	P60	Comb6	-45.3444	-11.9201	3.8696	-1.2064	5.5992	-44.6883
Story2	P60	Comb7	-51.7581	-8.65043333	3.8271	-1.2475	5.5592	-32.3014
Story2	P60	Comb8	-51.7581	-8.65043333	3.8271	-1.2475	5.5592	-32.3014
Story2	P60	Comb9	-51.7581	-8.65043333	3.8271	-1.2475	5.5592	-32.3014
Story2	P60	Comb10	-46.0348	-8.77396667	3.3996	-1.1325	4.8965	-32.6045
Story2	P60	Comb11	-31.85	-12.341	1.8451	-0.6079	2.8854	-44.8874
Story2	P60	Comb12	-31.85	-12.341	1.8451	-0.6079	2.8854	-44.8874
Story2	P60	Comb13	-31.85	-12.341	1.8451	-0.6079	2.8854	-44.8874
Story2	P60	Comb14	-31.85	-12.341	1.8451	-0.6079	2.8854	-44.8874
Story2	P60	Comb15	-38.2637	-9.07133333	1.8026	-0.649	2.8454	-32.5005
Story2	P60	Comb16	-38.2637	-9.07133333	1.8026	-0.649	2.8454	-32.5005
Story2	P60	Comb17	-38.2637	-9.07133333	1.8026	-0.649	2.8454	-32.5005
Story2	P60	Comb18	-38.2637	-9.07133333	1.8026	-0.649	2.8454	-32.5005
Story2	P61	Comb3	-15.0482	-2.77126667	3.3768	-0.0777	6.2079	-8.5629
Story2	P61	Comb4	-15.0482	-2.77126667	3.3768	-0.0777	6.2079	-8.5629
Story2	P61	Comb5	-15.0482	-2.77126667	3.3768	-0.0777	6.2079	-8.5629
Story2	P61	Comb6	-15.0482	-2.77126667	3.3768	-0.0777	6.2079	-8.5629
Story2	P61	Comb7	-14.7997	-1.8271	3.3615	-0.1006	6.1921	-5.8446
Story2	P61	Comb8	-14.7997	-1.8271	3.3615	-0.1006	6.1921	-5.8446
Story2	P61	Comb9	-14.7997	-1.8271	3.3615	-0.1006	6.1921	-5.8446
Story2	P61	Comb10	-12.7298	-1.8476	2.9586	-0.0987	5.4266	-5.8603
Story2	P61	Comb11	-10.3981	-2.9429	1.7841	-0.0312	3.3956	-8.7963
Story2	P61	Comb12	-10.3981	-2.9429	1.7841	-0.0312	3.3956	-8.7963
Story2	P61	Comb13	-10.3981	-2.9429	1.7841	-0.0312	3.3956	-8.7963
Story2	P61	Comb14	-10.3981	-2.9429	1.7841	-0.0312	3.3956	-8.7963
Story2	P61	Comb15	-10.1496	-1.99873333	1.7689	-0.0542	3.3798	-6.078
Story2	P61	Comb16	-10.1496	-1.99873333	1.7689	-0.0542	3.3798	-6.078
Story2	P61	Comb17	-10.1496	-1.99873333	1.7689	-0.0542	3.3798	-6.078
Story2	P61	Comb18	-10.1496	-1.99873333	1.7689	-0.0542	3.3798	-6.078
Story2	P62	Comb3	-15.3534	-3.56863333	3.8268	0.161	6.9283	-10.724
Story2	P62	Comb4	-15.3534	-3.56863333	3.8268	0.161	6.9283	-10.724
Story2	P62	Comb5	-15.3534	-3.56863333	3.8268	0.161	6.9283	-10.724

Story2	P62	Comb6	-15.3534	-3.56863333	3.8268	0.161	6.9283	-10.724
Story2	P62	Comb7	-15.4661	-2.888	3.7977	0.1432	6.8905	-8.7786
Story2	P62	Comb8	-15.4661	-2.888	3.7977	0.1432	6.8905	-8.7786
Story2	P62	Comb9	-15.4661	-2.888	3.7977	0.1432	6.8905	-8.7786
Story2	P62	Comb10	-13.5017	-2.81596667	3.3407	0.1257	6.0383	-8.5736
Story2	P62	Comb11	-10.3464	-2.99733333	2.0214	0.0593	3.7931	-8.957
Story2	P62	Comb12	-10.3464	-2.99733333	2.0214	0.0593	3.7931	-8.957
Story2	P62	Comb13	-10.3464	-2.99733333	2.0214	0.0593	3.7931	-8.957
Story2	P62	Comb14	-10.3464	-2.99733333	2.0214	0.0593	3.7931	-8.957
Story2	P62	Comb15	-10.4591	-2.3167	1.9922	0.0415	3.7553	-7.0117
Story2	P62	Comb16	-10.4591	-2.3167	1.9922	0.0415	3.7553	-7.0117
Story2	P62	Comb17	-10.4591	-2.3167	1.9922	0.0415	3.7553	-7.0117
Story2	P62	Comb18	-10.4591	-2.3167	1.9922	0.0415	3.7553	-7.0117
Story2	P63	Comb3	-21.9108	-5.7375	5.49	-0.4127	10.6537	-17.7665
Story2	P63	Comb4	-21.9108	-5.7375	5.49	-0.4127	10.6537	-17.7665
Story2	P63	Comb5	-21.9108	-5.7375	5.49	-0.4127	10.6537	-17.7665
Story2	P63	Comb6	-21.9108	-5.7375	5.49	-0.4127	10.6537	-17.7665
Story2	P63	Comb7	-21.1643	-4.2937	5.4369	-0.4055	10.5761	-13.8373
Story2	P63	Comb8	-21.1643	-4.2937	5.4369	-0.4055	10.5761	-13.8373
Story2	P63	Comb9	-21.1643	-4.2937	5.4369	-0.4055	10.5761	-13.8373
Story2	P63	Comb10	-18.1182	-4.33853333	4.7647	-0.3623	9.2506	-14.0433
Story2	P63	Comb11	-16.0687	-5.6719	2.9825	-0.2269	5.8966	-17.3997
Story2	P63	Comb12	-16.0687	-5.6719	2.9825	-0.2269	5.8966	-17.3997
Story2	P63	Comb13	-16.0687	-5.6719	2.9825	-0.2269	5.8966	-17.3997
Story2	P63	Comb14	-16.0687	-5.6719	2.9825	-0.2269	5.8966	-17.3997
Story2	P63	Comb15	-15.3222	-4.22806667	2.9295	-0.2197	5.819	-13.4705
Story2	P63	Comb16	-15.3222	-4.22806667	2.9295	-0.2197	5.819	-13.4705
Story2	P63	Comb17	-15.3222	-4.22806667	2.9295	-0.2197	5.819	-13.4705
Story2	P63	Comb18	-15.3222	-4.22806667	2.9295	-0.2197	5.819	-13.4705
Story2	P64	Comb3	-36.7925	-13.0745	3.2121	-1.1886	4.5918	-52.8327
Story2	P64	Comb4	-36.7925	-13.0745	3.2121	-1.1886	4.5918	-52.8327
Story2	P64	Comb5	-36.7925	-13.0745	3.2121	-1.1886	4.5918	-52.8327
Story2	P64	Comb6	-36.7925	-13.0745	3.2121	-1.1886	4.5918	-52.8327
Story2	P64	Comb7	-40.184	-15.3933333	3.1592	-1.2253	4.5457	-65.5204
Story2	P64	Comb8	-40.184	-15.3933333	3.1592	-1.2253	4.5457	-65.5204
Story2	P64	Comb9	-40.184	-15.3933333	3.1592	-1.2253	4.5457	-65.5204
Story2	P64	Comb10	-35.9912	-14.9126667	2.7946	-1.1003	3.9985	-63.2745
Story2	P64	Comb11	-24.2773	-10.3536667	1.5358	-0.6235	2.3615	-41.4667
Story2	P64	Comb12	-24.2773	-10.3536667	1.5358	-0.6235	2.3615	-41.4667
Story2	P64	Comb13	-24.2773	-10.3536667	1.5358	-0.6235	2.3615	-41.4667
Story2	P64	Comb14	-24.2773	-10.3536667	1.5358	-0.6235	2.3615	-41.4667

Story2	P64	Comb15	-27.6689	-12.6725333	1.4829	-0.6602	2.3153	-54.1543
Story2	P64	Comb16	-27.6689	-12.6725333	1.4829	-0.6602	2.3153	-54.1543
Story2	P64	Comb17	-27.6689	-12.6725333	1.4829	-0.6602	2.3153	-54.1543
Story2	P64	Comb18	-27.6689	-12.6725333	1.4829	-0.6602	2.3153	-54.1543
Story2	P65	Comb3	-22.0121	-6.9423	-0.0547	-0.0292	0.0085	-29.2987
Story2	P65	Comb4	-22.0121	-6.9423	-0.0547	-0.0292	0.0085	-29.2987
Story2	P65	Comb5	-22.0121	-6.9423	-0.0547	-0.0292	0.0085	-29.2987
Story2	P65	Comb6	-22.0121	-6.9423	-0.0547	-0.0292	0.0085	-29.2987
Story2	P65	Comb7	-23.4221	-6.34196667	-0.0481	-0.0224	0.0061	-26.3108
Story2	P65	Comb8	-23.4221	-6.34196667	-0.0481	-0.0224	0.0061	-26.3108
Story2	P65	Comb9	-23.4221	-6.34196667	-0.0481	-0.0224	0.0061	-26.3108
Story2	P65	Comb10	-20.9301	-6.06866667	-0.051	-0.0241	-0.008	-25.1254
Story2	P65	Comb11	-18.1426	-5.98616667	-0.0828	-0.0465	-0.0547	-24.7112
Story2	P65	Comb12	-18.1426	-5.98616667	-0.0828	-0.0465	-0.0547	-24.7112
Story2	P65	Comb13	-18.1426	-5.98616667	-0.0828	-0.0465	-0.0547	-24.7112
Story2	P65	Comb14	-18.1426	-5.98616667	-0.0828	-0.0465	-0.0547	-24.7112
Story2	P65	Comb15	-19.5526	-5.38583333	-0.0763	-0.0397	-0.0572	-21.7232
Story2	P65	Comb16	-19.5526	-5.38583333	-0.0763	-0.0397	-0.0572	-21.7232
Story2	P65	Comb17	-19.5526	-5.38583333	-0.0763	-0.0397	-0.0572	-21.7232
Story2	P65	Comb18	-19.5526	-5.38583333	-0.0763	-0.0397	-0.0572	-21.7232
Story2	P66	Comb3	-13.1529	-2.2742	-0.9106	-0.0989	-1.141	-6.9659
Story2	P66	Comb4	-13.1529	-2.2742	-0.9106	-0.0989	-1.141	-6.9659
Story2	P66	Comb5	-13.1529	-2.2742	-0.9106	-0.0989	-1.141	-6.9659
Story2	P66	Comb6	-13.1529	-2.2742	-0.9106	-0.0989	-1.141	-6.9659
Story2	P66	Comb7	-13.0313	-1.86726667	-0.9354	-0.103	-1.1792	-5.6224
Story2	P66	Comb8	-13.0313	-1.86726667	-0.9354	-0.103	-1.1792	-5.6224
Story2	P66	Comb9	-13.0313	-1.86726667	-0.9354	-0.103	-1.1792	-5.6224
Story2	P66	Comb10	-11.5395	-1.79896667	-0.848	-0.0947	-1.0597	-5.4079
Story2	P66	Comb11	-8.3028	-1.6367	-0.4262	-0.0484	-0.5796	-4.8587
Story2	P66	Comb12	-8.3028	-1.6367	-0.4262	-0.0484	-0.5796	-4.8587
Story2	P66	Comb13	-8.3028	-1.6367	-0.4262	-0.0484	-0.5796	-4.8587
Story2	P66	Comb14	-8.3028	-1.6367	-0.4262	-0.0484	-0.5796	-4.8587
Story2	P66	Comb15	-8.1813	-1.22976667	-0.451	-0.0525	-0.6178	-3.5152
Story2	P66	Comb16	-8.1813	-1.22976667	-0.451	-0.0525	-0.6178	-3.5152
Story2	P66	Comb17	-8.1813	-1.22976667	-0.451	-0.0525	-0.6178	-3.5152
Story2	P66	Comb18	-8.1813	-1.22976667	-0.451	-0.0525	-0.6178	-3.5152
Story2	P67	Comb3	-9.0238	-2.04133333	-1.1956	-0.0024	-1.9804	-6.4765
Story2	P67	Comb4	-9.0238	-2.04133333	-1.1956	-0.0024	-1.9804	-6.4765
Story2	P67	Comb5	-9.0238	-2.04133333	-1.1956	-0.0024	-1.9804	-6.4765
Story2	P67	Comb6	-9.0238	-2.04133333	-1.1956	-0.0024	-1.9804	-6.4765
Story2	P67	Comb7	-9.0511	-1.307	-1.2145	-0.0068	-2.0177	-3.8979

Story2	P67	Comb8	-9.0511	-1.307	-1.2145	-0.0068	-2.0177	-3.8979
Story2	P67	Comb9	-9.0511	-1.307	-1.2145	-0.0068	-2.0177	-3.8979
Story2	P67	Comb10	-7.7133	-1.311	-1.0743	-0.0065	-1.7794	-3.9061
Story2	P67	Comb11	-6.4619	-2.19053333	-0.6464	-0.0099	-1.0959	-6.9512
Story2	P67	Comb12	-6.4619	-2.19053333	-0.6464	-0.0099	-1.0959	-6.9512
Story2	P67	Comb13	-6.4619	-2.19053333	-0.6464	-0.0099	-1.0959	-6.9512
Story2	P67	Comb14	-6.4619	-2.19053333	-0.6464	-0.0099	-1.0959	-6.9512
Story2	P67	Comb15	-6.4893	-1.4562	-0.6653	-0.0143	-1.1332	-4.3726
Story2	P67	Comb16	-6.4893	-1.4562	-0.6653	-0.0143	-1.1332	-4.3726
Story2	P67	Comb17	-6.4893	-1.4562	-0.6653	-0.0143	-1.1332	-4.3726
Story2	P67	Comb18	-6.4893	-1.4562	-0.6653	-0.0143	-1.1332	-4.3726
Story2	P68	Comb3	-11.8388	-3.13076667	-0.7864	-0.0796	-1.0229	-9.8206
Story2	P68	Comb4	-11.8388	-3.13076667	-0.7864	-0.0796	-1.0229	-9.8206
Story2	P68	Comb5	-11.8388	-3.13076667	-0.7864	-0.0796	-1.0229	-9.8206
Story2	P68	Comb6	-11.8388	-3.13076667	-0.7864	-0.0796	-1.0229	-9.8206
Story2	P68	Comb7	-12.4227	-2.553	-0.8125	-0.0839	-1.0685	-7.9165
Story2	P68	Comb8	-12.4227	-2.553	-0.8125	-0.0839	-1.0685	-7.9165
Story2	P68	Comb9	-12.4227	-2.553	-0.8125	-0.0839	-1.0685	-7.9165
Story2	P68	Comb10	-11.0049	-2.57313333	-0.74	-0.0773	-0.9679	-8.0382
Story2	P68	Comb11	-7.791	-2.89466667	-0.3711	-0.0354	-0.5261	-9.2685
Story2	P68	Comb12	-7.791	-2.89466667	-0.3711	-0.0354	-0.5261	-9.2685
Story2	P68	Comb13	-7.791	-2.89466667	-0.3711	-0.0354	-0.5261	-9.2685
Story2	P68	Comb14	-7.791	-2.89466667	-0.3711	-0.0354	-0.5261	-9.2685
Story2	P68	Comb15	-8.3748	-2.3169	-0.3972	-0.0397	-0.5717	-7.3644
Story2	P68	Comb16	-8.3748	-2.3169	-0.3972	-0.0397	-0.5717	-7.3644
Story2	P68	Comb17	-8.3748	-2.3169	-0.3972	-0.0397	-0.5717	-7.3644
Story2	P68	Comb18	-8.3748	-2.3169	-0.3972	-0.0397	-0.5717	-7.3644
Story2	P69	Comb3	-32.1942	-8.60243333	-0.8062	-0.0021	-0.8818	-31.5961
Story2	P69	Comb4	-32.1942	-8.60243333	-0.8062	-0.0021	-0.8818	-31.5961
Story2	P69	Comb5	-32.1942	-8.60243333	-0.8062	-0.0021	-0.8818	-31.5961
Story2	P69	Comb6	-32.1942	-8.60243333	-0.8062	-0.0021	-0.8818	-31.5961
Story2	P69	Comb7	-37.2342	-7.0196	-0.8771	-0.0557	-0.9819	-25.8546
Story2	P69	Comb8	-37.2342	-7.0196	-0.8771	-0.0557	-0.9819	-25.8546
Story2	P69	Comb9	-37.2342	-7.0196	-0.8771	-0.0557	-0.9819	-25.8546
Story2	P69	Comb10	-33.0527	-6.96406667	-0.8117	-0.0622	-0.9075	-25.464
Story2	P69	Comb11	-23.0547	-8.57903333	-0.3749	-0.0194	-0.4524	-30.9762
Story2	P69	Comb12	-23.0547	-8.57903333	-0.3749	-0.0194	-0.4524	-30.9762
Story2	P69	Comb13	-23.0547	-8.57903333	-0.3749	-0.0194	-0.4524	-30.9762
Story2	P69	Comb14	-23.0547	-8.57903333	-0.3749	-0.0194	-0.4524	-30.9762
Story2	P69	Comb15	-28.0947	-6.9962	-0.4458	-0.073	-0.5525	-25.2347
Story2	P69	Comb16	-28.0947	-6.9962	-0.4458	-0.073	-0.5525	-25.2347

Story2	P69	Comb17	-28.0947	-6.9962	-0.4458	-0.073	-0.5525	-25.2347
Story2	P69	Comb18	-28.0947	-6.9962	-0.4458	-0.073	-0.5525	-25.2347
Story2	P70	Comb3	-12.0891	-1.93613333	-1.4186	0.0111	-2.2002	-6.2031
Story2	P70	Comb4	-12.0891	-1.93613333	-1.4186	0.0111	-2.2002	-6.2031
Story2	P70	Comb5	-12.0891	-1.93613333	-1.4186	0.0111	-2.2002	-6.2031
Story2	P70	Comb6	-12.0891	-1.93613333	-1.4186	0.0111	-2.2002	-6.2031
Story2	P70	Comb7	-11.6989	-1.4761	-1.4728	-0.0072	-2.2907	-4.6569
Story2	P70	Comb8	-11.6989	-1.4761	-1.4728	-0.0072	-2.2907	-4.6569
Story2	P70	Comb9	-11.6989	-1.4761	-1.4728	-0.0072	-2.2907	-4.6569
Story2	P70	Comb10	-10.2261	-1.49976667	-1.3208	-0.0077	-2.0405	-4.7115
Story2	P70	Comb11	-7.9259	-2.30026667	-0.7253	-0.0145	-1.1924	-7.2747
Story2	P70	Comb12	-7.9259	-2.30026667	-0.7253	-0.0145	-1.1924	-7.2747
Story2	P70	Comb13	-7.9259	-2.30026667	-0.7253	-0.0145	-1.1924	-7.2747
Story2	P70	Comb14	-7.9259	-2.30026667	-0.7253	-0.0145	-1.1924	-7.2747
Story2	P70	Comb15	-7.5357	-1.8402	-0.7795	-0.0328	-1.2829	-5.7285
Story2	P70	Comb16	-7.5357	-1.8402	-0.7795	-0.0328	-1.2829	-5.7285
Story2	P70	Comb17	-7.5357	-1.8402	-0.7795	-0.0328	-1.2829	-5.7285
Story2	P70	Comb18	-7.5357	-1.8402	-0.7795	-0.0328	-1.2829	-5.7285
Story2	P71	Comb3	-9.2742	-1.98486667	-1.4939	-0.0422	-2.6487	-5.9256
Story2	P71	Comb4	-9.2742	-1.98486667	-1.4939	-0.0422	-2.6487	-5.9256
Story2	P71	Comb5	-9.2742	-1.98486667	-1.4939	-0.0422	-2.6487	-5.9256
Story2	P71	Comb6	-9.2742	-1.98486667	-1.4939	-0.0422	-2.6487	-5.9256
Story2	P71	Comb7	-9.9018	-1.63696667	-1.5519	-0.0603	-2.7542	-4.817
Story2	P71	Comb8	-9.9018	-1.63696667	-1.5519	-0.0603	-2.7542	-4.817
Story2	P71	Comb9	-9.9018	-1.63696667	-1.5519	-0.0603	-2.7542	-4.817
Story2	P71	Comb10	-8.5333	-1.62003333	-1.3791	-0.058	-2.4409	-4.7661
Story2	P71	Comb11	-6.624	-1.84563333	-0.8251	-0.0259	-1.4964	-5.4944
Story2	P71	Comb12	-6.624	-1.84563333	-0.8251	-0.0259	-1.4964	-5.4944
Story2	P71	Comb13	-6.624	-1.84563333	-0.8251	-0.0259	-1.4964	-5.4944
Story2	P71	Comb14	-6.624	-1.84563333	-0.8251	-0.0259	-1.4964	-5.4944
Story2	P71	Comb15	-7.2516	-1.49776667	-0.8832	-0.044	-1.602	-4.3858
Story2	P71	Comb16	-7.2516	-1.49776667	-0.8832	-0.044	-1.602	-4.3858
Story2	P71	Comb17	-7.2516	-1.49776667	-0.8832	-0.044	-1.602	-4.3858
Story2	P71	Comb18	-7.2516	-1.49776667	-0.8832	-0.044	-1.602	-4.3858
Story2	P72	Comb3	-11.3985	-0.8991	-1.3409	-0.0212	-1.9556	-2.0602
Story2	P72	Comb4	-11.3985	-0.8991	-1.3409	-0.0212	-1.9556	-2.0602
Story2	P72	Comb5	-11.3985	-0.8991	-1.3409	-0.0212	-1.9556	-2.0602
Story2	P72	Comb6	-11.3985	-0.8991	-1.3409	-0.0212	-1.9556	-2.0602
Story2	P72	Comb7	-11.878	-0.4908	-1.4458	-0.0254	-2.1249	-0.572
Story2	P72	Comb8	-11.878	-0.4908	-1.4458	-0.0254	-2.1249	-0.572
Story2	P72	Comb9	-11.878	-0.4908	-1.4458	-0.0254	-2.1249	-0.572

Story2	P72	Comb10	-10.5148	-0.6298	-1.3137	-0.0207	-1.9197	-1.1138
Story2	P72	Comb11	-7.3672	-1.57586667	-0.6828	-0.0298	-1.0667	-4.5125
Story2	P72	Comb12	-7.3672	-1.57586667	-0.6828	-0.0298	-1.0667	-4.5125
Story2	P72	Comb13	-7.3672	-1.57586667	-0.6828	-0.0298	-1.0667	-4.5125
Story2	P72	Comb14	-7.3672	-1.57586667	-0.6828	-0.0298	-1.0667	-4.5125
Story2	P72	Comb15	-7.8466	-1.16756667	-0.7877	-0.034	-1.236	-3.0243
Story2	P72	Comb16	-7.8466	-1.16756667	-0.7877	-0.034	-1.236	-3.0243
Story2	P72	Comb17	-7.8466	-1.16756667	-0.7877	-0.034	-1.236	-3.0243
Story2	P72	Comb18	-7.8466	-1.16756667	-0.7877	-0.034	-1.236	-3.0243
Story2	P73	Comb3	-21.9887	-3.9791	-2.5804	-0.0842	-4.1251	-9.361
Story2	P73	Comb4	-21.9887	-3.9791	-2.5804	-0.0842	-4.1251	-9.361
Story2	P73	Comb5	-21.9887	-3.9791	-2.5804	-0.0842	-4.1251	-9.361
Story2	P73	Comb6	-21.9887	-3.9791	-2.5804	-0.0842	-4.1251	-9.361
Story2	P73	Comb7	-22.6684	-3.33256667	-2.667	-0.0918	-4.3138	-7.0136
Story2	P73	Comb8	-22.6684	-3.33256667	-2.667	-0.0918	-4.3138	-7.0136
Story2	P73	Comb9	-22.6684	-3.33256667	-2.667	-0.0918	-4.3138	-7.0136
Story2	P73	Comb10	-19.8586	-3.4089	-2.3916	-0.0952	-3.8474	-7.4656
Story2	P73	Comb11	-14.8203	-3.77073333	-1.4078	-0.0289	-2.3218	-9.6745
Story2	P73	Comb12	-14.8203	-3.77073333	-1.4078	-0.0289	-2.3218	-9.6745
Story2	P73	Comb13	-14.8203	-3.77073333	-1.4078	-0.0289	-2.3218	-9.6745
Story2	P73	Comb14	-14.8203	-3.77073333	-1.4078	-0.0289	-2.3218	-9.6745
Story2	P73	Comb15	-15.5001	-3.12423333	-1.4944	-0.0365	-2.5105	-7.327
Story2	P73	Comb16	-15.5001	-3.12423333	-1.4944	-0.0365	-2.5105	-7.327
Story2	P73	Comb17	-15.5001	-3.12423333	-1.4944	-0.0365	-2.5105	-7.327
Story2	P73	Comb18	-15.5001	-3.12423333	-1.4944	-0.0365	-2.5105	-7.327
Story2	P74	Comb3	-14.9534	-3.05213333	-0.3491	0.0474	-0.2704	-11.3218
Story2	P74	Comb4	-14.9534	-3.05213333	-0.3491	0.0474	-0.2704	-11.3218
Story2	P74	Comb5	-14.9534	-3.05213333	-0.3491	0.0474	-0.2704	-11.3218
Story2	P74	Comb6	-14.9534	-3.05213333	-0.3491	0.0474	-0.2704	-11.3218
Story2	P74	Comb7	-16.7689	-4.71196667	-0.4193	0.034	-0.3904	-19.0329
Story2	P74	Comb8	-16.7689	-4.71196667	-0.4193	0.034	-0.3904	-19.0329
Story2	P74	Comb9	-16.7689	-4.71196667	-0.4193	0.034	-0.3904	-19.0329
Story2	P74	Comb10	-14.9021	-4.72046667	-0.406	0.0288	-0.3908	-18.9817
Story2	P74	Comb11	-11.1695	-3.39616667	-0.1815	-0.0013	-0.165	-12.0732
Story2	P74	Comb12	-11.1695	-3.39616667	-0.1815	-0.0013	-0.165	-12.0732
Story2	P74	Comb13	-11.1695	-3.39616667	-0.1815	-0.0013	-0.165	-12.0732
Story2	P74	Comb14	-11.1695	-3.39616667	-0.1815	-0.0013	-0.165	-12.0732
Story2	P74	Comb15	-12.985	-5.056	-0.2517	-0.0146	-0.285	-19.7843
Story2	P74	Comb16	-12.985	-5.056	-0.2517	-0.0146	-0.285	-19.7843
Story2	P74	Comb17	-12.985	-5.056	-0.2517	-0.0146	-0.285	-19.7843
Story2	P74	Comb18	-12.985	-5.056	-0.2517	-0.0146	-0.285	-19.7843

Story1	P01	Comb3	-27.4821	-8.8769	0.0136	-0.0191	-0.0459	-33.691
Story1	P01	Comb4	-27.4821	-8.8769	0.0136	-0.0191	-0.0459	-33.691
Story1	P01	Comb5	-27.4821	-8.8769	0.0136	-0.0191	-0.0459	-33.691
Story1	P01	Comb6	-27.4821	-8.8769	0.0136	-0.0191	-0.0459	-33.691
Story1	P01	Comb7	-22.0516	-9.21403333	0.035	-0.0139	-0.0145	-35.1544
Story1	P01	Comb8	-22.0516	-9.21403333	0.035	-0.0139	-0.0145	-35.1544
Story1	P01	Comb9	-22.0516	-9.21403333	0.035	-0.0139	-0.0145	-35.1544
Story1	P01	Comb10	-19.974	-9.04353333	0.0279	-0.0135	-0.0176	-34.55
Story1	P01	Comb11	-23.3946	-8.26766667	-0.013	-0.0171	-0.0574	-31.5356
Story1	P01	Comb12	-23.3946	-8.26766667	-0.013	-0.0171	-0.0574	-31.5356
Story1	P01	Comb13	-23.3946	-8.26766667	-0.013	-0.0171	-0.0574	-31.5356
Story1	P01	Comb14	-23.3946	-8.26766667	-0.013	-0.0171	-0.0574	-31.5356
Story1	P01	Comb15	-17.9641	-8.60476667	0.0083	-0.0119	-0.0261	-32.9991
Story1	P01	Comb16	-17.9641	-8.60476667	0.0083	-0.0119	-0.0261	-32.9991
Story1	P01	Comb17	-17.9641	-8.60476667	0.0083	-0.0119	-0.0261	-32.9991
Story1	P01	Comb18	-17.9641	-8.60476667	0.0083	-0.0119	-0.0261	-32.9991
Story1	P02	Comb3	-10.3105	-3.81033333	0.1159	-0.0088	0.0047	-14.4881
Story1	P02	Comb4	-10.3105	-3.81033333	0.1159	-0.0088	0.0047	-14.4881
Story1	P02	Comb5	-10.3105	-3.81033333	0.1159	-0.0088	0.0047	-14.4881
Story1	P02	Comb6	-10.3105	-3.81033333	0.1159	-0.0088	0.0047	-14.4881
Story1	P02	Comb7	-9.976	-4.27273333	0.121	-0.0066	0.0049	-16.2544
Story1	P02	Comb8	-9.976	-4.27273333	0.121	-0.0066	0.0049	-16.2544
Story1	P02	Comb9	-9.976	-4.27273333	0.121	-0.0066	0.0049	-16.2544
Story1	P02	Comb10	-8.801	-4.2977	0.1056	-0.0063	0.0042	-16.3482
Story1	P02	Comb11	-8.1105	-3.8197	0.0587	-0.0079	0.0023	-14.5296
Story1	P02	Comb12	-8.1105	-3.8197	0.0587	-0.0079	0.0023	-14.5296
Story1	P02	Comb13	-8.1105	-3.8197	0.0587	-0.0079	0.0023	-14.5296
Story1	P02	Comb14	-8.1105	-3.8197	0.0587	-0.0079	0.0023	-14.5296
Story1	P02	Comb15	-7.776	-4.2821	0.0639	-0.0057	0.0026	-16.2958
Story1	P02	Comb16	-7.776	-4.2821	0.0639	-0.0057	0.0026	-16.2958
Story1	P02	Comb17	-7.776	-4.2821	0.0639	-0.0057	0.0026	-16.2958
Story1	P02	Comb18	-7.776	-4.2821	0.0639	-0.0057	0.0026	-16.2958
Story1	P03	Comb3	-24.0477	-9.0514	0.4136	-0.0154	0.0113	-36.8299
Story1	P03	Comb4	-24.0477	-9.0514	0.4136	-0.0154	0.0113	-36.8299
Story1	P03	Comb5	-24.0477	-9.0514	0.4136	-0.0154	0.0113	-36.8299
Story1	P03	Comb6	-24.0477	-9.0514	0.4136	-0.0154	0.0113	-36.8299
Story1	P03	Comb7	-23.3549	-10.3057667	0.4276	-0.0089	0.0116	-41.9341
Story1	P03	Comb8	-23.3549	-10.3057667	0.4276	-0.0089	0.0116	-41.9341
Story1	P03	Comb9	-23.3549	-10.3057667	0.4276	-0.0089	0.0116	-41.9341
Story1	P03	Comb10	-19.9318	-10.3063333	0.3733	-0.0097	0.0101	-41.958
Story1	P03	Comb11	-16.9163	-8.9696667	0.2152	-0.0186	0.0058	-36.612

Story1	P03	Comb12	-16.9163	-8.96696667	0.2152	-0.0186	0.0058	-36.612
Story1	P03	Comb13	-16.9163	-8.96696667	0.2152	-0.0186	0.0058	-36.612
Story1	P03	Comb14	-16.9163	-8.96696667	0.2152	-0.0186	0.0058	-36.612
Story1	P03	Comb15	-16.2234	-10.22133333	0.2291	-0.0121	0.0062	-41.7162
Story1	P03	Comb16	-16.2234	-10.22133333	0.2291	-0.0121	0.0062	-41.7162
Story1	P03	Comb17	-16.2234	-10.22133333	0.2291	-0.0121	0.0062	-41.7162
Story1	P03	Comb18	-16.2234	-10.22133333	0.2291	-0.0121	0.0062	-41.7162
Story1	P04	Comb3	-78.447	-24.3273667	0.1254	0.0357	-0.0787	-101.8201
Story1	P04	Comb4	-78.447	-24.3273667	0.1254	0.0357	-0.0787	-101.8201
Story1	P04	Comb5	-78.447	-24.3273667	0.1254	0.0357	-0.0787	-101.8201
Story1	P04	Comb6	-78.447	-24.3273667	0.1254	0.0357	-0.0787	-101.8201
Story1	P04	Comb7	-68.0245	-28.3976667	0.1774	0.0643	-0.0164	-124.1328
Story1	P04	Comb8	-68.0245	-28.3976667	0.1774	0.0643	-0.0164	-124.1328
Story1	P04	Comb9	-68.0245	-28.3976667	0.1774	0.0643	-0.0164	-124.1328
Story1	P04	Comb10	-60.0039	-28.4225	0.1443	0.0492	-0.0238	-124.3787
Story1	P04	Comb11	-63.5593	-24.6409	0.0069	-0.0219	-0.1038	-102.1282
Story1	P04	Comb12	-63.5593	-24.6409	0.0069	-0.0219	-0.1038	-102.1282
Story1	P04	Comb13	-63.5593	-24.6409	0.0069	-0.0219	-0.1038	-102.1282
Story1	P04	Comb14	-63.5593	-24.6409	0.0069	-0.0219	-0.1038	-102.1282
Story1	P04	Comb15	-53.1367	-28.7112	0.059	0.0066	-0.0414	-124.4409
Story1	P04	Comb16	-53.1367	-28.7112	0.059	0.0066	-0.0414	-124.4409
Story1	P04	Comb17	-53.1367	-28.7112	0.059	0.0066	-0.0414	-124.4409
Story1	P04	Comb18	-53.1367	-28.7112	0.059	0.0066	-0.0414	-124.4409
Story1	P05	Comb3	-335.591	-93.7633667	2.1852	0.2205	-0.1527	-408.2526
Story1	P05	Comb4	-335.591	-93.7633667	2.1852	0.2205	-0.1527	-408.2526
Story1	P05	Comb5	-335.591	-93.7633667	2.1852	0.2205	-0.1527	-408.2526
Story1	P05	Comb6	-335.591	-93.7633667	2.1852	0.2205	-0.1527	-408.2526
Story1	P05	Comb7	-314.7218	-124.460967	2.4041	0.3526	0.0398	-568.0453
Story1	P05	Comb8	-314.7218	-124.460967	2.4041	0.3526	0.0398	-568.0453
Story1	P05	Comb9	-314.7218	-124.460967	2.4041	0.3526	0.0398	-568.0453
Story1	P05	Comb10	-274.0038	-124.4693	2.0639	0.2785	0.0043	-575.4542
Story1	P05	Comb11	-233.0526	-93.6981667	1.0524	0.014	-0.2715	-436.7191
Story1	P05	Comb12	-233.0526	-93.6981667	1.0524	0.014	-0.2715	-436.7191
Story1	P05	Comb13	-233.0526	-93.6981667	1.0524	0.014	-0.2715	-436.7191
Story1	P05	Comb14	-233.0526	-93.6981667	1.0524	0.014	-0.2715	-436.7191
Story1	P05	Comb15	-212.1835	-124.395767	1.2713	0.1462	-0.079	-596.5118
Story1	P05	Comb16	-212.1835	-124.395767	1.2713	0.1462	-0.079	-596.5118
Story1	P05	Comb17	-212.1835	-124.395767	1.2713	0.1462	-0.079	-596.5118
Story1	P05	Comb18	-212.1835	-124.395767	1.2713	0.1462	-0.079	-596.5118
Story1	P06	Comb3	-312.8503	-49.9061333	-4.7046	0.1324	-0.3741	-256.2707
Story1	P06	Comb4	-312.8503	-49.9061333	-4.7046	0.1324	-0.3741	-256.2707

Story1	P06	Comb5	-312.8503	-49.9061333	-4.7046	0.1324	-0.3741	-256.2707
Story1	P06	Comb6	-312.8503	-49.9061333	-4.7046	0.1324	-0.3741	-256.2707
Story1	P06	Comb7	-309.0851	-96.0005	-4.5309	0.2865	-0.2746	-516.4563
Story1	P06	Comb8	-309.0851	-96.0005	-4.5309	0.2865	-0.2746	-516.4563
Story1	P06	Comb9	-309.0851	-96.0005	-4.5309	0.2865	-0.2746	-516.4563
Story1	P06	Comb10	-266.7551	-95.974	-3.995	0.2333	-0.2596	-517.4258
Story1	P06	Comb11	-207.331	-50.1414667	-2.874	-0.061	-0.3224	-258.6093
Story1	P06	Comb12	-207.331	-50.1414667	-2.874	-0.061	-0.3224	-258.6093
Story1	P06	Comb13	-207.331	-50.1414667	-2.874	-0.061	-0.3224	-258.6093
Story1	P06	Comb14	-207.331	-50.1414667	-2.874	-0.061	-0.3224	-258.6093
Story1	P06	Comb15	-203.5657	-96.2358	-2.7004	0.0931	-0.2229	-518.7949
Story1	P06	Comb16	-203.5657	-96.2358	-2.7004	0.0931	-0.2229	-518.7949
Story1	P06	Comb17	-203.5657	-96.2358	-2.7004	0.0931	-0.2229	-518.7949
Story1	P06	Comb18	-203.5657	-96.2358	-2.7004	0.0931	-0.2229	-518.7949
Story1	P07	Comb3	-156.1092	-18.6949	0.7403	-0.4041	-0.1262	-102.6652
Story1	P07	Comb4	-156.1092	-18.6949	0.7403	-0.4041	-0.1262	-102.6652
Story1	P07	Comb5	-156.1092	-18.6949	0.7403	-0.4041	-0.1262	-102.6652
Story1	P07	Comb6	-156.1092	-18.6949	0.7403	-0.4041	-0.1262	-102.6652
Story1	P07	Comb7	-166.1533	-45.5102667	0.8502	-0.3185	-0.0462	-240.2802
Story1	P07	Comb8	-166.1533	-45.5102667	0.8502	-0.3185	-0.0462	-240.2802
Story1	P07	Comb9	-166.1533	-45.5102667	0.8502	-0.3185	-0.0462	-240.2802
Story1	P07	Comb10	-145.4914	-45.695	0.7238	-0.2951	-0.0537	-240.0191
Story1	P07	Comb11	-99.4579	-19.5911	0.3098	-0.3282	-0.1521	-102.0097
Story1	P07	Comb12	-99.4579	-19.5911	0.3098	-0.3282	-0.1521	-102.0097
Story1	P07	Comb13	-99.4579	-19.5911	0.3098	-0.3282	-0.1521	-102.0097
Story1	P07	Comb14	-99.4579	-19.5911	0.3098	-0.3282	-0.1521	-102.0097
Story1	P07	Comb15	-109.502	-46.4064333	0.4197	-0.2427	-0.0722	-239.6247
Story1	P07	Comb16	-109.502	-46.4064333	0.4197	-0.2427	-0.0722	-239.6247
Story1	P07	Comb17	-109.502	-46.4064333	0.4197	-0.2427	-0.0722	-239.6247
Story1	P07	Comb18	-109.502	-46.4064333	0.4197	-0.2427	-0.0722	-239.6247
Story1	P08	Comb3	-121.5595	-16.6174	-0.2343	-0.0537	-0.1881	-69.5183
Story1	P08	Comb4	-121.5595	-16.6174	-0.2343	-0.0537	-0.1881	-69.5183
Story1	P08	Comb5	-121.5595	-16.6174	-0.2343	-0.0537	-0.1881	-69.5183
Story1	P08	Comb6	-121.5595	-16.6174	-0.2343	-0.0537	-0.1881	-69.5183
Story1	P08	Comb7	-103.9879	-38.3995333	-0.15	-0.018	-0.1107	-161.9468
Story1	P08	Comb8	-103.9879	-38.3995333	-0.15	-0.018	-0.1107	-161.9468
Story1	P08	Comb9	-103.9879	-38.3995333	-0.15	-0.018	-0.1107	-161.9468
Story1	P08	Comb10	-91.2436	-38.2422	-0.1465	-0.02	-0.1106	-162.0015
Story1	P08	Comb11	-93.067	-16.2366667	-0.2188	-0.0596	-0.1865	-70.3462
Story1	P08	Comb12	-93.067	-16.2366667	-0.2188	-0.0596	-0.1865	-70.3462
Story1	P08	Comb13	-93.067	-16.2366667	-0.2188	-0.0596	-0.1865	-70.3462

Story1	P08	Comb14	-93.067	-16.2366667	-0.2188	-0.0596	-0.1865	-70.3462
Story1	P08	Comb15	-75.4953	-38.0188	-0.1345	-0.0238	-0.1091	-162.7746
Story1	P08	Comb16	-75.4953	-38.0188	-0.1345	-0.0238	-0.1091	-162.7746
Story1	P08	Comb17	-75.4953	-38.0188	-0.1345	-0.0238	-0.1091	-162.7746
Story1	P08	Comb18	-75.4953	-38.0188	-0.1345	-0.0238	-0.1091	-162.7746
Story1	P09	Comb3	-461.2268	-81.9507	-1.2875	-7.3126	-0.8464	-314.7671
Story1	P09	Comb4	-461.2268	-81.9507	-1.2875	-7.3126	-0.8464	-314.7671
Story1	P09	Comb5	-461.2268	-81.9507	-1.2875	-7.3126	-0.8464	-314.7671
Story1	P09	Comb6	-461.2268	-81.9507	-1.2875	-7.3126	-0.8464	-314.7671
Story1	P09	Comb7	-469.2542	-177.477233	-0.6237	-8.8397	-0.3767	-858.0182
Story1	P09	Comb8	-469.2542	-177.477233	-0.6237	-8.8397	-0.3767	-858.0182
Story1	P09	Comb9	-469.2542	-177.477233	-0.6237	-8.8397	-0.3767	-858.0182
Story1	P09	Comb10	-405.9278	-177.356	-0.6013	-8.0494	-0.3705	-881.2105
Story1	P09	Comb11	-315.644	-81.4085333	-1.2271	-4.9612	-0.829	-403.7887
Story1	P09	Comb12	-315.644	-81.4085333	-1.2271	-4.9612	-0.829	-403.7887
Story1	P09	Comb13	-315.644	-81.4085333	-1.2271	-4.9612	-0.829	-403.7887
Story1	P09	Comb14	-315.644	-81.4085333	-1.2271	-4.9612	-0.829	-403.7887
Story1	P09	Comb15	-323.6714	-176.935033	-0.5632	-6.4883	-0.3592	-947.0398
Story1	P09	Comb16	-323.6714	-176.935033	-0.5632	-6.4883	-0.3592	-947.0398
Story1	P09	Comb17	-323.6714	-176.935033	-0.5632	-6.4883	-0.3592	-947.0398
Story1	P09	Comb18	-323.6714	-176.935033	-0.5632	-6.4883	-0.3592	-947.0398
Story1	P10	Comb3	-92.4026	-28.1444	-0.1073	-0.0446	-0.0014	-42.5208
Story1	P10	Comb4	-92.4026	-28.1444	-0.1073	-0.0446	-0.0014	-42.5208
Story1	P10	Comb5	-92.4026	-28.1444	-0.1073	-0.0446	-0.0014	-42.5208
Story1	P10	Comb6	-92.4026	-28.1444	-0.1073	-0.0446	-0.0014	-42.5208
Story1	P10	Comb7	-91.4799	-30.31635	-0.0463	-0.046	-0.0006	-97.5725
Story1	P10	Comb8	-91.4799	-30.31635	-0.0463	-0.046	-0.0006	-97.5725
Story1	P10	Comb9	-91.4799	-30.31635	-0.0463	-0.046	-0.0006	-97.5725
Story1	P10	Comb10	-79.2411	-30.18685	-0.0592	-0.0442	-0.0008	-97.6493
Story1	P10	Comb11	-60.7672	-27.8059	-0.1299	-0.0434	-0.0017	-43.0018
Story1	P10	Comb12	-60.7672	-27.8059	-0.1299	-0.0434	-0.0017	-43.0018
Story1	P10	Comb13	-60.7672	-27.8059	-0.1299	-0.0434	-0.0017	-43.0018
Story1	P10	Comb14	-60.7672	-27.8059	-0.1299	-0.0434	-0.0017	-43.0018
Story1	P10	Comb15	-59.8445	-60.2941	-0.0689	-0.0448	-0.0009	-98.0534
Story1	P10	Comb16	-59.8445	-60.2941	-0.0689	-0.0448	-0.0009	-98.0534
Story1	P10	Comb17	-59.8445	-60.2941	-0.0689	-0.0448	-0.0009	-98.0534
Story1	P10	Comb18	-59.8445	-60.2941	-0.0689	-0.0448	-0.0009	-98.0534
Story1	P11	Comb3	-61.4384	-19.9705	0.0429	-0.0314	0.0008	-26.7594
Story1	P11	Comb4	-61.4384	-19.9705	0.0429	-0.0314	0.0008	-26.7594
Story1	P11	Comb5	-61.4384	-19.9705	0.0429	-0.0314	0.0008	-26.7594
Story1	P11	Comb6	-61.4384	-19.9705	0.0429	-0.0314	0.0008	-26.7594

Story1	P11	Comb7	-66.2696	-20.79205	0.0969	-0.0571	0.0017	-58.4491
Story1	P11	Comb8	-66.2696	-20.79205	0.0969	-0.0571	0.0017	-58.4491
Story1	P11	Comb9	-66.2696	-20.79205	0.0969	-0.0571	0.0017	-58.4491
Story1	P11	Comb10	-57.8375	-20.57105	0.0786	-0.0561	0.0013	-58.0782
Story1	P11	Comb11	-41.0043	-18.36	-0.0224	-0.0278	-0.0004	-25.3856
Story1	P11	Comb12	-41.0043	-18.36	-0.0224	-0.0278	-0.0004	-25.3856
Story1	P11	Comb13	-41.0043	-18.36	-0.0224	-0.0278	-0.0004	-25.3856
Story1	P11	Comb14	-41.0043	-18.36	-0.0224	-0.0278	-0.0004	-25.3856
Story1	P11	Comb15	-45.8356	-39.9736	0.0317	-0.0534	0.0005	-57.0753
Story1	P11	Comb16	-45.8356	-39.9736	0.0317	-0.0534	0.0005	-57.0753
Story1	P11	Comb17	-45.8356	-39.9736	0.0317	-0.0534	0.0005	-57.0753
Story1	P11	Comb18	-45.8356	-39.9736	0.0317	-0.0534	0.0005	-57.0753
Story1	P12	Comb3	-43.6275	-15.09	0.0093	-0.028	0.0002	-20.7526
Story1	P12	Comb4	-43.6275	-15.09	0.0093	-0.028	0.0002	-20.7526
Story1	P12	Comb5	-43.6275	-15.09	0.0093	-0.028	0.0002	-20.7526
Story1	P12	Comb6	-43.6275	-15.09	0.0093	-0.028	0.0002	-20.7526
Story1	P12	Comb7	-43.6956	-34.8538	0.0497	-0.0565	0.001	-48.3431
Story1	P12	Comb8	-43.6956	-34.8538	0.0497	-0.0565	0.001	-48.3431
Story1	P12	Comb9	-43.6956	-34.8538	0.0497	-0.0565	0.001	-48.3431
Story1	P12	Comb10	-37.3077	-34.7457	0.0368	-0.0572	0.0007	-48.22
Story1	P12	Comb11	-28.9873	-14.7548	-0.0371	-0.0303	-0.0007	-20.3365
Story1	P12	Comb12	-28.9873	-14.7548	-0.0371	-0.0303	-0.0007	-20.3365
Story1	P12	Comb13	-28.9873	-14.7548	-0.0371	-0.0303	-0.0007	-20.3365
Story1	P12	Comb14	-28.9873	-14.7548	-0.0371	-0.0303	-0.0007	-20.3365
Story1	P12	Comb15	-29.0555	-34.5186	0.0033	-0.0588	3.975E-05	-47.9271
Story1	P12	Comb16	-29.0555	-34.5186	0.0033	-0.0588	3.975E-05	-47.9271
Story1	P12	Comb17	-29.0555	-34.5186	0.0033	-0.0588	3.975E-05	-47.9271
Story1	P12	Comb18	-29.0555	-34.5186	0.0033	-0.0588	3.975E-05	-47.9271
Story1	P13	Comb3	-18.4423	-3.2102	-0.0371	-0.0083	-0.0014	-4.209
Story1	P13	Comb4	-18.4423	-3.2102	-0.0371	-0.0083	-0.0014	-4.209
Story1	P13	Comb5	-18.4423	-3.2102	-0.0371	-0.0083	-0.0014	-4.209
Story1	P13	Comb6	-18.4423	-3.2102	-0.0371	-0.0083	-0.0014	-4.209
Story1	P13	Comb7	-21.0087	-9.3162	-0.0241	-0.0152	-0.0009	-12.0232
Story1	P13	Comb8	-21.0087	-9.3162	-0.0241	-0.0152	-0.0009	-12.0232
Story1	P13	Comb9	-21.0087	-9.3162	-0.0241	-0.0152	-0.0009	-12.0232
Story1	P13	Comb10	-18.5813	-9.4758	-0.0245	-0.0153	-0.001	-12.2139
Story1	P13	Comb11	-12.6353	-3.7638	-0.0394	-0.0088	-0.0015	-4.8692
Story1	P13	Comb12	-12.6353	-3.7638	-0.0394	-0.0088	-0.0015	-4.8692
Story1	P13	Comb13	-12.6353	-3.7638	-0.0394	-0.0088	-0.0015	-4.8692
Story1	P13	Comb14	-12.6353	-3.7638	-0.0394	-0.0088	-0.0015	-4.8692
Story1	P13	Comb15	-15.2017	-9.8698	-0.0264	-0.0157	-0.001	-12.6834

Story1	P13	Comb16	-15.2017	-9.8698	-0.0264	-0.0157	-0.001	-12.6834
Story1	P13	Comb17	-15.2017	-9.8698	-0.0264	-0.0157	-0.001	-12.6834
Story1	P13	Comb18	-15.2017	-9.8698	-0.0264	-0.0157	-0.001	-12.6834
Story1	P14	Comb3	-19.7161	-3.6481	-0.0532	-0.0072	-0.002	-4.7266
Story1	P14	Comb4	-19.7161	-3.6481	-0.0532	-0.0072	-0.002	-4.7266
Story1	P14	Comb5	-19.7161	-3.6481	-0.0532	-0.0072	-0.002	-4.7266
Story1	P14	Comb6	-19.7161	-3.6481	-0.0532	-0.0072	-0.002	-4.7266
Story1	P14	Comb7	-19.9937	-8.4668	-0.0438	-0.0122	-0.0018	-10.9581
Story1	P14	Comb8	-19.9937	-8.4668	-0.0438	-0.0122	-0.0018	-10.9581
Story1	P14	Comb9	-19.9937	-8.4668	-0.0438	-0.0122	-0.0018	-10.9581
Story1	P14	Comb10	-17.264	-8.4414	-0.042	-0.0121	-0.0017	-10.9253
Story1	P14	Comb11	-13.0394	-3.5623	-0.0479	-0.007	-0.0019	-4.6151
Story1	P14	Comb12	-13.0394	-3.5623	-0.0479	-0.007	-0.0019	-4.6151
Story1	P14	Comb13	-13.0394	-3.5623	-0.0479	-0.007	-0.0019	-4.6151
Story1	P14	Comb14	-13.0394	-3.5623	-0.0479	-0.007	-0.0019	-4.6151
Story1	P14	Comb15	-13.317	-8.3811	-0.0385	-0.012	-0.0016	-10.8466
Story1	P14	Comb16	-13.317	-8.3811	-0.0385	-0.012	-0.0016	-10.8466
Story1	P14	Comb17	-13.317	-8.3811	-0.0385	-0.012	-0.0016	-10.8466
Story1	P14	Comb18	-13.317	-8.3811	-0.0385	-0.012	-0.0016	-10.8466
Story1	P15	Comb3	-300.7703	-106.1588	0.663	1.8888	-0.3006	-190.6929
Story1	P15	Comb4	-300.7703	-106.1588	0.663	1.8888	-0.3006	-190.6929
Story1	P15	Comb5	-300.7703	-106.1588	0.663	1.8888	-0.3006	-190.6929
Story1	P15	Comb6	-300.7703	-106.1588	0.663	1.8888	-0.3006	-190.6929
Story1	P15	Comb7	-271.2386	-113.773	0.878	1.9104	-0.1653	-475.3497
Story1	P15	Comb8	-271.2386	-113.773	0.878	1.9104	-0.1653	-475.3497
Story1	P15	Comb9	-271.2386	-113.773	0.878	1.9104	-0.1653	-475.3497
Story1	P15	Comb10	-237.1	-113.2667	0.7221	1.6473	-0.1736	-483.3165
Story1	P15	Comb11	-219.7422	-102.8824	0.1057	0.9671	-0.3287	-202.3709
Story1	P15	Comb12	-219.7422	-102.8824	0.1057	0.9671	-0.3287	-202.3709
Story1	P15	Comb13	-219.7422	-102.8824	0.1057	0.9671	-0.3287	-202.3709
Story1	P15	Comb14	-219.7422	-102.8824	0.1057	0.9671	-0.3287	-202.3709
Story1	P15	Comb15	-190.2105	-112.1348	0.3207	0.9887	-0.1935	-487.0277
Story1	P15	Comb16	-190.2105	-112.1348	0.3207	0.9887	-0.1935	-487.0277
Story1	P15	Comb17	-190.2105	-112.1348	0.3207	0.9887	-0.1935	-487.0277
Story1	P15	Comb18	-190.2105	-112.1348	0.3207	0.9887	-0.1935	-487.0277
Story1	P16	Comb3	-151.6567	-68.4189	0.7463	-2.2332	-0.312	-278.2664
Story1	P16	Comb4	-151.6567	-68.4189	0.7463	-2.2332	-0.312	-278.2664
Story1	P16	Comb5	-151.6567	-68.4189	0.7463	-2.2332	-0.312	-278.2664
Story1	P16	Comb6	-151.6567	-68.4189	0.7463	-2.2332	-0.312	-278.2664
Story1	P16	Comb7	-136.94665	-183.5961	0.9223	-2.4421	-0.204	-519.5313
Story1	P16	Comb8	-136.94665	-183.5961	0.9223	-2.4421	-0.204	-519.5313

Story1	P16	Comb9	-136.94665	-183.5961	0.9223	-2.4421	-0.204	-519.5313
Story1	P16	Comb10	-120.27795	-184.1988	0.7382	-2.1877	-0.2134	-510.2505
Story1	P16	Comb11	-112.0895	-69.4553	0.0982	-1.3379	-0.3446	-252.4331
Story1	P16	Comb12	-112.0895	-69.4553	0.0982	-1.3379	-0.3446	-252.4331
Story1	P16	Comb13	-112.0895	-69.4553	0.0982	-1.3379	-0.3446	-252.4331
Story1	P16	Comb14	-112.0895	-69.4553	0.0982	-1.3379	-0.3446	-252.4331
Story1	P16	Comb15	-97.3794	-184.6326	0.2742	-1.5469	-0.2365	-493.698
Story1	P16	Comb16	-97.3794	-184.6326	0.2742	-1.5469	-0.2365	-493.698
Story1	P16	Comb17	-97.3794	-184.6326	0.2742	-1.5469	-0.2365	-493.698
Story1	P16	Comb18	-97.3794	-184.6326	0.2742	-1.5469	-0.2365	-493.698
Story1	P17	Comb3	-110.4408	-22.57945	-0.6634	0.0776	-0.2669	-78.945
Story1	P17	Comb4	-110.4408	-22.57945	-0.6634	0.0776	-0.2669	-78.945
Story1	P17	Comb5	-110.4408	-22.57945	-0.6634	0.0776	-0.2669	-78.945
Story1	P17	Comb6	-110.4408	-22.57945	-0.6634	0.0776	-0.2669	-78.945
Story1	P17	Comb7	-135.657	-28.7515	-0.6129	0.0629	-0.2181	-168.6432
Story1	P17	Comb8	-135.657	-27.7515	-0.6129	0.0629	-0.2181	-168.6432
Story1	P17	Comb9	-135.657	-26.7515	-0.6129	0.0629	-0.2181	-168.6432
Story1	P17	Comb10	-123.7402	-28.0395333	-0.5575	0.0418	-0.2128	-169.1184
Story1	P17	Comb11	-79.5188	-16.0337	-0.4703	0.0034	-0.2489	-80.5097
Story1	P17	Comb12	-79.5188	-16.0337	-0.4703	0.0034	-0.2489	-80.5097
Story1	P17	Comb13	-79.5188	-16.0337	-0.4703	0.0034	-0.2489	-80.5097
Story1	P17	Comb14	-79.5188	-16.0337	-0.4703	0.0034	-0.2489	-80.5097
Story1	P17	Comb15	-104.735	-34.7322667	-0.4198	-0.0112	-0.2001	-170.2079
Story1	P17	Comb16	-104.735	-34.7322667	-0.4198	-0.0112	-0.2001	-170.2079
Story1	P17	Comb17	-104.735	-34.7322667	-0.4198	-0.0112	-0.2001	-170.2079
Story1	P17	Comb18	-104.735	-34.7322667	-0.4198	-0.0112	-0.2001	-170.2079
Story1	P18	Comb3	-97.3606	-27.66385	0.2933	0.1236	-0.1479	-78.3792
Story1	P18	Comb4	-97.3606	-27.66385	0.2933	0.1236	-0.1479	-78.3792
Story1	P18	Comb5	-97.3606	-27.66385	0.2933	0.1236	-0.1479	-78.3792
Story1	P18	Comb6	-97.3606	-27.66385	0.2933	0.1236	-0.1479	-78.3792
Story1	P18	Comb7	-119.569	-26.373425	0.3568	0.0968	-0.0742	-157.6288
Story1	P18	Comb8	-119.569	-26.373425	0.3568	0.0968	-0.0742	-157.6288
Story1	P18	Comb9	-119.569	-26.373425	0.3568	0.0968	-0.0742	-157.6288
Story1	P18	Comb10	-110.019	-26.101175	0.2961	0.0747	-0.0796	-156.9466
Story1	P18	Comb11	-74.4648	-25.99435	0.0765	0.0447	-0.1676	-76.2131
Story1	P18	Comb12	-74.4648	-25.99435	0.0765	0.0447	-0.1676	-76.2131
Story1	P18	Comb13	-74.4648	-25.99435	0.0765	0.0447	-0.1676	-76.2131
Story1	P18	Comb14	-74.4648	-25.99435	0.0765	0.0447	-0.1676	-76.2131
Story1	P18	Comb15	-96.6732	-25.538675	0.14	0.0179	-0.0939	-155.4627
Story1	P18	Comb16	-96.6732	-25.538675	0.14	0.0179	-0.0939	-155.4627
Story1	P18	Comb17	-96.6732	-25.538675	0.14	0.0179	-0.0939	-155.4627

Story1	P18	Comb18	-96.6732	-25.538675	0.14	0.0179	-0.0939	-155.4627
Story1	P19	Comb3	-186.0283	-68.9316	-0.4008	-0.2495	-0.4835	-247.3134
Story1	P19	Comb4	-186.0283	-68.9316	-0.4008	-0.2495	-0.4835	-247.3134
Story1	P19	Comb5	-186.0283	-68.9316	-0.4008	-0.2495	-0.4835	-247.3134
Story1	P19	Comb6	-186.0283	-68.9316	-0.4008	-0.2495	-0.4835	-247.3134
Story1	P19	Comb7	-186.0292	-111.596933	-0.3159	-0.4039	-0.395	-556.5863
Story1	P19	Comb8	-186.0292	-111.596933	-0.3159	-0.4039	-0.395	-556.5863
Story1	P19	Comb9	-186.0292	-111.596933	-0.3159	-0.4039	-0.395	-556.5863
Story1	P19	Comb10	-159.9082	-111.607767	-0.3263	-0.4018	-0.396	-553.9825
Story1	P19	Comb11	-121.5101	-68.61795	-0.4368	-0.2426	-0.4866	-237.9777
Story1	P19	Comb12	-121.5101	-68.61795	-0.4368	-0.2426	-0.4866	-237.9777
Story1	P19	Comb13	-121.5101	-68.61795	-0.4368	-0.2426	-0.4866	-237.9777
Story1	P19	Comb14	-121.5101	-68.61795	-0.4368	-0.2426	-0.4866	-237.9777
Story1	P19	Comb15	-121.511	-111.3878	-0.3519	-0.3971	-0.3981	-547.2506
Story1	P19	Comb16	-121.511	-111.3878	-0.3519	-0.3971	-0.3981	-547.2506
Story1	P19	Comb17	-121.511	-111.3878	-0.3519	-0.3971	-0.3981	-547.2506
Story1	P19	Comb18	-121.511	-111.3878	-0.3519	-0.3971	-0.3981	-547.2506
Story1	P20	Comb3	-209.7702	-154.7731	-1.5788	-0.2362	-0.2591	-268.094
Story1	P20	Comb4	-209.7702	-154.7731	-1.5788	-0.2362	-0.2591	-268.094
Story1	P20	Comb5	-209.7702	-154.7731	-1.5788	-0.2362	-0.2591	-268.094
Story1	P20	Comb6	-209.7702	-154.7731	-1.5788	-0.2362	-0.2591	-268.094
Story1	P20	Comb7	-230.2311	-343.3048	-1.4187	-0.4831	-0.1506	-619.0616
Story1	P20	Comb8	-230.2311	-343.3048	-1.4187	-0.4831	-0.1506	-619.0616
Story1	P20	Comb9	-230.2311	-343.3048	-1.4187	-0.4831	-0.1506	-619.0616
Story1	P20	Comb10	-204.687	-342.5518	-1.2856	-0.4812	-0.1444	-620.5276
Story1	P20	Comb11	-147.4257	-152.0601	-1.1132	-0.2307	-0.2384	-271.0624
Story1	P20	Comb12	-147.4257	-152.0601	-1.1132	-0.2307	-0.2384	-271.0624
Story1	P20	Comb13	-147.4257	-152.0601	-1.1132	-0.2307	-0.2384	-271.0624
Story1	P20	Comb14	-147.4257	-152.0601	-1.1132	-0.2307	-0.2384	-271.0624
Story1	P20	Comb15	-167.8866	-340.5918	-0.9532	-0.4777	-0.1299	-622.03
Story1	P20	Comb16	-167.8866	-340.5918	-0.9532	-0.4777	-0.1299	-622.03
Story1	P20	Comb17	-167.8866	-340.5918	-0.9532	-0.4777	-0.1299	-622.03
Story1	P20	Comb18	-167.8866	-340.5918	-0.9532	-0.4777	-0.1299	-622.03
Story1	P21	Comb3	-136.0895	-77.7327	0.8278	0.0641	0.2196	-115.6086
Story1	P21	Comb4	-136.0895	-77.7327	0.8278	0.0641	0.2196	-115.6086
Story1	P21	Comb5	-136.0895	-77.7327	0.8278	0.0641	0.2196	-115.6086
Story1	P21	Comb6	-136.0895	-77.7327	0.8278	0.0641	0.2196	-115.6086
Story1	P21	Comb7	-135.8901	-171.737	0.8446	0.004	0.2274	-261.2784
Story1	P21	Comb8	-135.8901	-171.737	0.8446	0.004	0.2274	-261.2784
Story1	P21	Comb9	-135.8901	-171.737	0.8446	0.004	0.2274	-261.2784
Story1	P21	Comb10	-121.0105	-171.3325	0.6996	-0.0201	0.1794	-261.0648

Story1	P21	Comb11	-97.7309	-76.8265	0.3756	-0.0098	0.0699	-114.659
Story1	P21	Comb12	-97.7309	-76.8265	0.3756	-0.0098	0.0699	-114.659
Story1	P21	Comb13	-97.7309	-76.8265	0.3756	-0.0098	0.0699	-114.659
Story1	P21	Comb14	-97.7309	-76.8265	0.3756	-0.0098	0.0699	-114.659
Story1	P21	Comb15	-97.5316	-170.8308	0.3925	-0.07	0.0778	-260.3288
Story1	P21	Comb16	-97.5316	-170.8308	0.3925	-0.07	0.0778	-260.3288
Story1	P21	Comb17	-97.5316	-170.8308	0.3925	-0.07	0.0778	-260.3288
Story1	P21	Comb18	-97.5316	-170.8308	0.3925	-0.07	0.0778	-260.3288
Story1	P22	Comb3	-119.0901	-50.5814	0.8934	-0.2908	0.4783	-78.9456
Story1	P22	Comb4	-119.0901	-50.5814	0.8934	-0.2908	0.4783	-78.9456
Story1	P22	Comb5	-119.0901	-50.5814	0.8934	-0.2908	0.4783	-78.9456
Story1	P22	Comb6	-119.0901	-50.5814	0.8934	-0.2908	0.4783	-78.9456
Story1	P22	Comb7	-105.8544	-125.4947	1.0062	-0.3217	0.5421	-187.8761
Story1	P22	Comb8	-105.8544	-125.4947	1.0062	-0.3217	0.5421	-187.8761
Story1	P22	Comb9	-105.8544	-125.4947	1.0062	-0.3217	0.5421	-187.8761
Story1	P22	Comb10	-94.6193	-126.1297	0.8597	-0.2909	0.4634	-188.2874
Story1	P22	Comb11	-90.5702	-52.9947	0.4279	-0.1923	0.2275	-80.3862
Story1	P22	Comb12	-90.5702	-52.9947	0.4279	-0.1923	0.2275	-80.3862
Story1	P22	Comb13	-90.5702	-52.9947	0.4279	-0.1923	0.2275	-80.3862
Story1	P22	Comb14	-90.5702	-52.9947	0.4279	-0.1923	0.2275	-80.3862
Story1	P22	Comb15	-77.3345	-127.908	0.5407	-0.2233	0.2913	-189.3167
Story1	P22	Comb16	-77.3345	-127.908	0.5407	-0.2233	0.2913	-189.3167
Story1	P22	Comb17	-77.3345	-127.908	0.5407	-0.2233	0.2913	-189.3167
Story1	P22	Comb18	-77.3345	-127.908	0.5407	-0.2233	0.2913	-189.3167
Story1	P23	Comb3	-144.319	-87.3647	-0.2405	-0.0243	-0.1953	-127.3315
Story1	P23	Comb4	-144.319	-87.3647	-0.2405	-0.0243	-0.1953	-127.3315
Story1	P23	Comb5	-144.319	-87.3647	-0.2405	-0.0243	-0.1953	-127.3315
Story1	P23	Comb6	-144.319	-87.3647	-0.2405	-0.0243	-0.1953	-127.3315
Story1	P23	Comb7	-133.6764	-195.5032	-0.1617	-0.0195	-0.1168	-295.8747
Story1	P23	Comb8	-133.6764	-195.5032	-0.1617	-0.0195	-0.1168	-295.8747
Story1	P23	Comb9	-133.6764	-195.5032	-0.1617	-0.0195	-0.1168	-295.8747
Story1	P23	Comb10	-119.6884	-195.0578	-0.1638	-0.0237	-0.1203	-295.6756
Story1	P23	Comb11	-107.3297	-85.6594	-0.2311	-0.0456	-0.2056	-127.4465
Story1	P23	Comb12	-107.3297	-85.6594	-0.2311	-0.0456	-0.2056	-127.4465
Story1	P23	Comb13	-107.3297	-85.6594	-0.2311	-0.0456	-0.2056	-127.4465
Story1	P23	Comb14	-107.3297	-85.6594	-0.2311	-0.0456	-0.2056	-127.4465
Story1	P23	Comb15	-96.6871	-193.798	-0.1524	-0.0408	-0.1272	-295.9898
Story1	P23	Comb16	-96.6871	-193.798	-0.1524	-0.0408	-0.1272	-295.9898
Story1	P23	Comb17	-96.6871	-193.798	-0.1524	-0.0408	-0.1272	-295.9898
Story1	P23	Comb18	-96.6871	-193.798	-0.1524	-0.0408	-0.1272	-295.9898
Story1	P24	Comb3	-126.6435	-70.982	0.4838	0.0199	0.1864	-102.4122

Story1	P24	Comb4	-126.6435	-70.982	0.4838	0.0199	0.1864	-102.4122
Story1	P24	Comb5	-126.6435	-70.982	0.4838	0.0199	0.1864	-102.4122
Story1	P24	Comb6	-126.6435	-70.982	0.4838	0.0199	0.1864	-102.4122
Story1	P24	Comb7	-126.8859	-163.6249	0.4917	-0.0202	0.1889	-239.706
Story1	P24	Comb8	-126.8859	-163.6249	0.4917	-0.0202	0.1889	-239.706
Story1	P24	Comb9	-126.8859	-163.6249	0.4917	-0.0202	0.1889	-239.706
Story1	P24	Comb10	-114.0001	-163.4112	0.3932	-0.033	0.1403	-239.589
Story1	P24	Comb11	-92.4541	-70.4842	0.1891	-0.015	0.0316	-102.6937
Story1	P24	Comb12	-92.4541	-70.4842	0.1891	-0.015	0.0316	-102.6937
Story1	P24	Comb13	-92.4541	-70.4842	0.1891	-0.015	0.0316	-102.6937
Story1	P24	Comb14	-92.4541	-70.4842	0.1891	-0.015	0.0316	-102.6937
Story1	P24	Comb15	-92.6965	-163.1272	0.197	-0.0552	0.0342	-239.9875
Story1	P24	Comb16	-92.6965	-163.1272	0.197	-0.0552	0.0342	-239.9875
Story1	P24	Comb17	-92.6965	-163.1272	0.197	-0.0552	0.0342	-239.9875
Story1	P24	Comb18	-92.6965	-163.1272	0.197	-0.0552	0.0342	-239.9875
Story1	P25	Comb3	-47.6129	-40.6516	-0.2107	-0.0576	-0.1649	-54.7515
Story1	P25	Comb4	-47.6129	-40.6516	-0.2107	-0.0576	-0.1649	-54.7515
Story1	P25	Comb5	-47.6129	-40.6516	-0.2107	-0.0576	-0.1649	-54.7515
Story1	P25	Comb6	-47.6129	-40.6516	-0.2107	-0.0576	-0.1649	-54.7515
Story1	P25	Comb7	-50.0437	-25.1677	-0.2207	-0.0501	-0.1792	-33.3839
Story1	P25	Comb8	-50.0437	-25.1677	-0.2207	-0.0501	-0.1792	-33.3839
Story1	P25	Comb9	-50.0437	-25.1677	-0.2207	-0.0501	-0.1792	-33.3839
Story1	P25	Comb10	-45.1901	-24.8905	-0.2078	-0.0485	-0.1754	-33.1069
Story1	P25	Comb11	-35.8504	-39.2416	-0.1714	-0.0533	-0.153	-53.3321
Story1	P25	Comb12	-35.8504	-39.2416	-0.1714	-0.0533	-0.153	-53.3321
Story1	P25	Comb13	-35.8504	-39.2416	-0.1714	-0.0533	-0.153	-53.3321
Story1	P25	Comb14	-35.8504	-39.2416	-0.1714	-0.0533	-0.153	-53.3321
Story1	P25	Comb15	-38.2812	-23.7576	-0.1815	-0.0458	-0.1674	-31.9645
Story1	P25	Comb16	-38.2812	-23.7576	-0.1815	-0.0458	-0.1674	-31.9645
Story1	P25	Comb17	-38.2812	-23.7576	-0.1815	-0.0458	-0.1674	-31.9645
Story1	P25	Comb18	-38.2812	-23.7576	-0.1815	-0.0458	-0.1674	-31.9645
Story1	P26	Comb3	-116.9414	-92.0362	-0.5418	0.1011	-0.2661	-153.5711
Story1	P26	Comb4	-116.9414	-92.0362	-0.5418	0.1011	-0.2661	-153.5711
Story1	P26	Comb5	-116.9414	-92.0362	-0.5418	0.1011	-0.2661	-153.5711
Story1	P26	Comb6	-116.9414	-92.0362	-0.5418	0.1011	-0.2661	-153.5711
Story1	P26	Comb7	-127.3649	-51.3615	-0.6178	0.125	-0.3356	-87.2085
Story1	P26	Comb8	-127.3649	-51.3615	-0.6178	0.125	-0.3356	-87.2085
Story1	P26	Comb9	-127.3649	-51.3615	-0.6178	0.125	-0.3356	-87.2085
Story1	P26	Comb10	-115.4902	-51.4304	-0.5757	0.1067	-0.3281	-87.5257
Story1	P26	Comb11	-85.8132	-91.9054	-0.4056	0.0409	-0.2418	-154.5683
Story1	P26	Comb12	-85.8132	-91.9054	-0.4056	0.0409	-0.2418	-154.5683

Story1	P26	Comb13	-85.8132	-91.9054	-0.4056	0.0409	-0.2418	-154.5683
Story1	P26	Comb14	-85.8132	-91.9054	-0.4056	0.0409	-0.2418	-154.5683
Story1	P26	Comb15	-96.2367	-51.2308	-0.4817	0.0648	-0.3113	-88.2057
Story1	P26	Comb16	-96.2367	-51.2308	-0.4817	0.0648	-0.3113	-88.2057
Story1	P26	Comb17	-96.2367	-51.2308	-0.4817	0.0648	-0.3113	-88.2057
Story1	P26	Comb18	-96.2367	-51.2308	-0.4817	0.0648	-0.3113	-88.2057
Story1	P27	Comb3	-37.0866	-23.5492	-0.0719	-0.0314	-0.0793	-30.2484
Story1	P27	Comb4	-37.0866	-23.5492	-0.0719	-0.0314	-0.0793	-30.2484
Story1	P27	Comb5	-37.0866	-23.5492	-0.0719	-0.0314	-0.0793	-30.2484
Story1	P27	Comb6	-37.0866	-23.5492	-0.0719	-0.0314	-0.0793	-30.2484
Story1	P27	Comb7	-35.988	-14.5361	-0.0979	-0.0261	-0.0818	-18.5352
Story1	P27	Comb8	-35.988	-14.5361	-0.0979	-0.0261	-0.0818	-18.5352
Story1	P27	Comb9	-35.988	-14.5361	-0.0979	-0.0261	-0.0818	-18.5352
Story1	P27	Comb10	-31.4259	-14.2885	-0.0935	-0.0232	-0.0723	-18.2503
Story1	P27	Comb11	-24.4123	-22.6171	-0.0648	-0.0219	-0.0474	-29.173
Story1	P27	Comb12	-24.4123	-22.6171	-0.0648	-0.0219	-0.0474	-29.173
Story1	P27	Comb13	-24.4123	-22.6171	-0.0648	-0.0219	-0.0474	-29.173
Story1	P27	Comb14	-24.4123	-22.6171	-0.0648	-0.0219	-0.0474	-29.173
Story1	P27	Comb15	-23.3137	-13.604	-0.0908	-0.0165	-0.0498	-17.4598
Story1	P27	Comb16	-23.3137	-13.604	-0.0908	-0.0165	-0.0498	-17.4598
Story1	P27	Comb17	-23.3137	-13.604	-0.0908	-0.0165	-0.0498	-17.4598
Story1	P27	Comb18	-23.3137	-13.604	-0.0908	-0.0165	-0.0498	-17.4598
Story1	P28	Comb3	-23.4547	-14.203	0.069	-0.013	0.0027	-18.163
Story1	P28	Comb4	-23.4547	-14.203	0.069	-0.013	0.0027	-18.163
Story1	P28	Comb5	-23.4547	-14.203	0.069	-0.013	0.0027	-18.163
Story1	P28	Comb6	-23.4547	-14.203	0.069	-0.013	0.0027	-18.163
Story1	P28	Comb7	-23.0056	-7.7876	0.0552	-0.0104	0.0023	-9.9686
Story1	P28	Comb8	-23.0056	-7.7876	0.0552	-0.0104	0.0023	-9.9686
Story1	P28	Comb9	-23.0056	-7.7876	0.0552	-0.0104	0.0023	-9.9686
Story1	P28	Comb10	-20.195	-7.7951	0.0446	-0.0098	0.0019	-9.98
Story1	P28	Comb11	-15.2375	-14.3208	0.0313	-0.0106	0.0013	-18.3138
Story1	P28	Comb12	-15.2375	-14.3208	0.0313	-0.0106	0.0013	-18.3138
Story1	P28	Comb13	-15.2375	-14.3208	0.0313	-0.0106	0.0013	-18.3138
Story1	P28	Comb14	-15.2375	-14.3208	0.0313	-0.0106	0.0013	-18.3138
Story1	P28	Comb15	-14.7884	-7.9054	0.0175	-0.0081	0.0009	-10.1194
Story1	P28	Comb16	-14.7884	-7.9054	0.0175	-0.0081	0.0009	-10.1194
Story1	P28	Comb17	-14.7884	-7.9054	0.0175	-0.0081	0.0009	-10.1194
Story1	P28	Comb18	-14.7884	-7.9054	0.0175	-0.0081	0.0009	-10.1194
Story1	P29	Comb3	-53.2447	-43.1622	-0.1685	-0.0404	-0.0786	-57.3519
Story1	P29	Comb4	-53.2447	-43.1622	-0.1685	-0.0404	-0.0786	-57.3519
Story1	P29	Comb5	-53.2447	-43.1622	-0.1685	-0.0404	-0.0786	-57.3519

Story1	P29	Comb6	-53.2447	-43.1622	-0.1685	-0.0404	-0.0786	-57.3519
Story1	P29	Comb7	-61.5933	-28.0157	-0.2281	-0.0327	-0.1319	-36.0524
Story1	P29	Comb8	-61.5933	-28.0157	-0.2281	-0.0327	-0.1319	-36.0524
Story1	P29	Comb9	-61.5933	-28.0157	-0.2281	-0.0327	-0.1319	-36.0524
Story1	P29	Comb10	-56.025	-27.8672	-0.2139	-0.0296	-0.129	-35.9259
Story1	P29	Comb11	-39.2128	-42.5745	-0.1234	-0.0309	-0.0692	-56.8395
Story1	P29	Comb12	-39.2128	-42.5745	-0.1234	-0.0309	-0.0692	-56.8395
Story1	P29	Comb13	-39.2128	-42.5745	-0.1234	-0.0309	-0.0692	-56.8395
Story1	P29	Comb14	-39.2128	-42.5745	-0.1234	-0.0309	-0.0692	-56.8395
Story1	P29	Comb15	-47.5615	-27.428	-0.183	-0.0232	-0.1226	-35.54
Story1	P29	Comb16	-47.5615	-27.428	-0.183	-0.0232	-0.1226	-35.54
Story1	P29	Comb17	-47.5615	-27.428	-0.183	-0.0232	-0.1226	-35.54
Story1	P29	Comb18	-47.5615	-27.428	-0.183	-0.0232	-0.1226	-35.54
Story1	P30	Comb3	-57.5782	-48.673	-0.1788	0.0091	-0.0966	-69.1255
Story1	P30	Comb4	-57.5782	-48.673	-0.1788	0.0091	-0.0966	-69.1255
Story1	P30	Comb5	-57.5782	-48.673	-0.1788	0.0091	-0.0966	-69.1255
Story1	P30	Comb6	-57.5782	-48.673	-0.1788	0.0091	-0.0966	-69.1255
Story1	P30	Comb7	-69.6107	-27.2663	-0.2619	0.0094	-0.178	-38.6048
Story1	P30	Comb8	-69.6107	-27.2663	-0.2619	0.0094	-0.178	-38.6048
Story1	P30	Comb9	-69.6107	-27.2663	-0.2619	0.0094	-0.178	-38.6048
Story1	P30	Comb10	-63.0318	-27.4383	-0.2467	0.0062	-0.1733	-38.8173
Story1	P30	Comb11	-40.7656	-49.034	-0.1318	-0.0011	-0.0825	-69.6451
Story1	P30	Comb12	-40.7656	-49.034	-0.1318	-0.0011	-0.0825	-69.6451
Story1	P30	Comb13	-40.7656	-49.034	-0.1318	-0.0011	-0.0825	-69.6451
Story1	P30	Comb14	-40.7656	-49.034	-0.1318	-0.0011	-0.0825	-69.6451
Story1	P30	Comb15	-52.7981	-27.6273	-0.2149	-0.0008	-0.1639	-39.1244
Story1	P30	Comb16	-52.7981	-27.6273	-0.2149	-0.0008	-0.1639	-39.1244
Story1	P30	Comb17	-52.7981	-27.6273	-0.2149	-0.0008	-0.1639	-39.1244
Story1	P30	Comb18	-52.7981	-27.6273	-0.2149	-0.0008	-0.1639	-39.1244
Story1	P31	Comb3	-100.8342	-65.6015	0.0411	-0.1028	-0.2991	-94.1724
Story1	P31	Comb4	-100.8342	-65.6015	0.0411	-0.1028	-0.2991	-94.1724
Story1	P31	Comb5	-100.8342	-65.6015	0.0411	-0.1028	-0.2991	-94.1724
Story1	P31	Comb6	-100.8342	-65.6015	0.0411	-0.1028	-0.2991	-94.1724
Story1	P31	Comb7	-99.3842	-40.6747	-0.0386	-0.1124	-0.305	-55.615
Story1	P31	Comb8	-99.3842	-40.6747	-0.0386	-0.1124	-0.305	-55.615
Story1	P31	Comb9	-99.3842	-40.6747	-0.0386	-0.1124	-0.305	-55.615
Story1	P31	Comb10	-86.2651	-40.1761	-0.0472	-0.1015	-0.2677	-55.4005
Story1	P31	Comb11	-64.3312	-63.9872	-0.0116	-0.0681	-0.1734	-93.4772
Story1	P31	Comb12	-64.3312	-63.9872	-0.0116	-0.0681	-0.1734	-93.4772
Story1	P31	Comb13	-64.3312	-63.9872	-0.0116	-0.0681	-0.1734	-93.4772
Story1	P31	Comb14	-64.3312	-63.9872	-0.0116	-0.0681	-0.1734	-93.4772

Story1	P31	Comb15	-62.8812	-39.0603	-0.0914	-0.0778	-0.1794	-54.9199
Story1	P31	Comb16	-62.8812	-39.0603	-0.0914	-0.0778	-0.1794	-54.9199
Story1	P31	Comb17	-62.8812	-39.0603	-0.0914	-0.0778	-0.1794	-54.9199
Story1	P31	Comb18	-62.8812	-39.0603	-0.0914	-0.0778	-0.1794	-54.9199
Story1	P32	Comb3	-42.8499	-25.679	0.549	-0.0015	0.0157	-33.925
Story1	P32	Comb4	-42.8499	-25.679	0.549	-0.0015	0.0157	-33.925
Story1	P32	Comb5	-42.8499	-25.679	0.549	-0.0015	0.0157	-33.925
Story1	P32	Comb6	-42.8499	-25.679	0.549	-0.0015	0.0157	-33.925
Story1	P32	Comb7	-42.1664	-15.7321	0.5218	-0.0003	0.0149	-20.6606
Story1	P32	Comb8	-42.1664	-15.7321	0.5218	-0.0003	0.0149	-20.6606
Story1	P32	Comb9	-42.1664	-15.7321	0.5218	-0.0003	0.0149	-20.6606
Story1	P32	Comb10	-36.4944	-15.689	0.4507	-0.0005	0.0129	-20.6236
Story1	P32	Comb11	-26.7015	-25.3457	0.2974	-0.0022	0.0085	-33.5862
Story1	P32	Comb12	-26.7015	-25.3457	0.2974	-0.0022	0.0085	-33.5862
Story1	P32	Comb13	-26.7015	-25.3457	0.2974	-0.0022	0.0085	-33.5862
Story1	P32	Comb14	-26.7015	-25.3457	0.2974	-0.0022	0.0085	-33.5862
Story1	P32	Comb15	-26.0179	-15.3987	0.2702	-0.001	0.0077	-20.3218
Story1	P32	Comb16	-26.0179	-15.3987	0.2702	-0.001	0.0077	-20.3218
Story1	P32	Comb17	-26.0179	-15.3987	0.2702	-0.001	0.0077	-20.3218
Story1	P32	Comb18	-26.0179	-15.3987	0.2702	-0.001	0.0077	-20.3218
Story1	P33	Comb3	-45.6661	-24.0686	0.3465	-0.0354	0.0107	-31.2453
Story1	P33	Comb4	-45.6661	-24.0686	0.3465	-0.0354	0.0107	-31.2453
Story1	P33	Comb5	-45.6661	-24.0686	0.3465	-0.0354	0.0107	-31.2453
Story1	P33	Comb6	-45.6661	-24.0686	0.3465	-0.0354	0.0107	-31.2453
Story1	P33	Comb7	-45.8535	-15.7573	0.3194	-0.0367	0.0099	-20.3116
Story1	P33	Comb8	-45.8535	-15.7573	0.3194	-0.0367	0.0099	-20.3116
Story1	P33	Comb9	-45.8535	-15.7573	0.3194	-0.0367	0.0099	-20.3116
Story1	P33	Comb10	-39.7734	-15.4689	0.274	-0.0326	0.0085	-19.9841
Story1	P33	Comb11	-27.8711	-23.3637	0.1845	-0.0217	0.0057	-30.4518
Story1	P33	Comb12	-27.8711	-23.3637	0.1845	-0.0217	0.0057	-30.4518
Story1	P33	Comb13	-27.8711	-23.3637	0.1845	-0.0217	0.0057	-30.4518
Story1	P33	Comb14	-27.8711	-23.3637	0.1845	-0.0217	0.0057	-30.4518
Story1	P33	Comb15	-28.0585	-15.0523	0.1574	-0.023	0.0048	-19.5182
Story1	P33	Comb16	-28.0585	-15.0523	0.1574	-0.023	0.0048	-19.5182
Story1	P33	Comb17	-28.0585	-15.0523	0.1574	-0.023	0.0048	-19.5182
Story1	P33	Comb18	-28.0585	-15.0523	0.1574	-0.023	0.0048	-19.5182
Story1	P34	Comb3	-52.7133	-35.5902	0.2148	-0.0525	0.0049	-49.7329
Story1	P34	Comb4	-52.7133	-35.5902	0.2148	-0.0525	0.0049	-49.7329
Story1	P34	Comb5	-52.7133	-35.5902	0.2148	-0.0525	0.0049	-49.7329
Story1	P34	Comb6	-52.7133	-35.5902	0.2148	-0.0525	0.0049	-49.7329
Story1	P34	Comb7	-54.0323	-22.0782	0.1862	-0.0597	0.0042	-31.0273

Story1	P34	Comb8	-54.0323	-22.0782	0.1862	-0.0597	0.0042	-31.0273
Story1	P34	Comb9	-54.0323	-22.0782	0.1862	-0.0597	0.0042	-31.0273
Story1	P34	Comb10	-46.906	-22.2755	0.1545	-0.0543	0.0035	-31.2689
Story1	P34	Comb11	-33.0379	-35.9225	0.1045	-0.0334	0.0023	-50.2115
Story1	P34	Comb12	-33.0379	-35.9225	0.1045	-0.0334	0.0023	-50.2115
Story1	P34	Comb13	-33.0379	-35.9225	0.1045	-0.0334	0.0023	-50.2115
Story1	P34	Comb14	-33.0379	-35.9225	0.1045	-0.0334	0.0023	-50.2115
Story1	P34	Comb15	-34.3569	-22.4104	0.0758	-0.0405	0.0016	-31.506
Story1	P34	Comb16	-34.3569	-22.4104	0.0758	-0.0405	0.0016	-31.506
Story1	P34	Comb17	-34.3569	-22.4104	0.0758	-0.0405	0.0016	-31.506
Story1	P34	Comb18	-34.3569	-22.4104	0.0758	-0.0405	0.0016	-31.506
Story1	P35	Comb3	-25.6947	-18.2613	-0.0559	-0.0079	-0.0371	-23.2647
Story1	P35	Comb4	-25.6947	-18.2613	-0.0559	-0.0079	-0.0371	-23.2647
Story1	P35	Comb5	-25.6947	-18.2613	-0.0559	-0.0079	-0.0371	-23.2647
Story1	P35	Comb6	-25.6947	-18.2613	-0.0559	-0.0079	-0.0371	-23.2647
Story1	P35	Comb7	-33.0471	-14.0873	-0.0813	-0.0089	-0.063	-17.796
Story1	P35	Comb8	-33.0471	-14.0873	-0.0813	-0.0089	-0.063	-17.796
Story1	P35	Comb9	-33.0471	-14.0873	-0.0813	-0.0089	-0.063	-17.796
Story1	P35	Comb10	-30.3203	-13.8859	-0.0769	-0.0083	-0.0611	-17.5568
Story1	P35	Comb11	-17.7767	-17.4501	-0.0427	-0.0062	-0.0314	-22.3001
Story1	P35	Comb12	-17.7767	-17.4501	-0.0427	-0.0062	-0.0314	-22.3001
Story1	P35	Comb13	-17.7767	-17.4501	-0.0427	-0.0062	-0.0314	-22.3001
Story1	P35	Comb14	-17.7767	-17.4501	-0.0427	-0.0062	-0.0314	-22.3001
Story1	P35	Comb15	-25.1292	-13.2761	-0.068	-0.0071	-0.0573	-16.8313
Story1	P35	Comb16	-25.1292	-13.2761	-0.068	-0.0071	-0.0573	-16.8313
Story1	P35	Comb17	-25.1292	-13.2761	-0.068	-0.0071	-0.0573	-16.8313
Story1	P35	Comb18	-25.1292	-13.2761	-0.068	-0.0071	-0.0573	-16.8313
Story1	P36	Comb3	-49.0112	-30.7053	-0.1721	0.0058	-0.217	-40.7252
Story1	P36	Comb4	-49.0112	-30.7053	-0.1721	0.0058	-0.217	-40.7252
Story1	P36	Comb5	-49.0112	-30.7053	-0.1721	0.0058	-0.217	-40.7252
Story1	P36	Comb6	-49.0112	-30.7053	-0.1721	0.0058	-0.217	-40.7252
Story1	P36	Comb7	-47.9334	-23.2972	-0.2114	-0.005	-0.2231	-30.4806
Story1	P36	Comb8	-47.9334	-23.2972	-0.2114	-0.005	-0.2231	-30.4806
Story1	P36	Comb9	-47.9334	-23.2972	-0.2114	-0.005	-0.2231	-30.4806
Story1	P36	Comb10	-42.0202	-23.1315	-0.1927	-0.0074	-0.1955	-30.3065
Story1	P36	Comb11	-31.687	-29.9732	-0.1179	-0.003	-0.1299	-39.9411
Story1	P36	Comb12	-31.687	-29.9732	-0.1179	-0.003	-0.1299	-39.9411
Story1	P36	Comb13	-31.687	-29.9732	-0.1179	-0.003	-0.1299	-39.9411
Story1	P36	Comb14	-31.687	-29.9732	-0.1179	-0.003	-0.1299	-39.9411
Story1	P36	Comb15	-30.6092	-22.565	-0.1571	-0.0138	-0.1359	-29.6964
Story1	P36	Comb16	-30.6092	-22.565	-0.1571	-0.0138	-0.1359	-29.6964

Story1	P36	Comb17	-30.6092	-22.565	-0.1571	-0.0138	-0.1359	-29.6964
Story1	P36	Comb18	-30.6092	-22.565	-0.1571	-0.0138	-0.1359	-29.6964
Story1	P37	Comb3	-47.8387	-33.0772	0.6308	0.0043	0.0169	-43.8436
Story1	P37	Comb4	-47.8387	-33.0772	0.6308	0.0043	0.0169	-43.8436
Story1	P37	Comb5	-47.8387	-33.0772	0.6308	0.0043	0.0169	-43.8436
Story1	P37	Comb6	-47.8387	-33.0772	0.6308	0.0043	0.0169	-43.8436
Story1	P37	Comb7	-47.9612	-25.1099	0.6008	-0.0058	0.0161	-33.0334
Story1	P37	Comb8	-47.9612	-25.1099	0.6008	-0.0058	0.0161	-33.0334
Story1	P37	Comb9	-47.9612	-25.1099	0.6008	-0.0058	0.0161	-33.0334
Story1	P37	Comb10	-41.5702	-25.0132	0.5189	-0.0078	0.0139	-32.9357
Story1	P37	Comb11	-29.6094	-32.5509	0.3416	-0.0028	0.0091	-43.2896
Story1	P37	Comb12	-29.6094	-32.5509	0.3416	-0.0028	0.0091	-43.2896
Story1	P37	Comb13	-29.6094	-32.5509	0.3416	-0.0028	0.0091	-43.2896
Story1	P37	Comb14	-29.6094	-32.5509	0.3416	-0.0028	0.0091	-43.2896
Story1	P37	Comb15	-29.7319	-24.5836	0.3117	-0.0129	0.0083	-32.4793
Story1	P37	Comb16	-29.7319	-24.5836	0.3117	-0.0129	0.0083	-32.4793
Story1	P37	Comb17	-29.7319	-24.5836	0.3117	-0.0129	0.0083	-32.4793
Story1	P37	Comb18	-29.7319	-24.5836	0.3117	-0.0129	0.0083	-32.4793
Story1	P38	Comb3	-49.4314	-33.6346	0.3459	-0.0522	0.0094	-44.274
Story1	P38	Comb4	-49.4314	-33.6346	0.3459	-0.0522	0.0094	-44.274
Story1	P38	Comb5	-49.4314	-33.6346	0.3459	-0.0522	0.0094	-44.274
Story1	P38	Comb6	-49.4314	-33.6346	0.3459	-0.0522	0.0094	-44.274
Story1	P38	Comb7	-49.4705	-26.2534	0.3139	-0.0606	0.0085	-34.3877
Story1	P38	Comb8	-49.4705	-26.2534	0.3139	-0.0606	0.0085	-34.3877
Story1	P38	Comb9	-49.4705	-26.2534	0.3139	-0.0606	0.0085	-34.3877
Story1	P38	Comb10	-43.131	-26.047	0.2669	-0.0552	0.0072	-34.1646
Story1	P38	Comb11	-30.6656	-33.1734	0.1819	-0.0336	0.0049	-43.779
Story1	P38	Comb12	-30.6656	-33.1734	0.1819	-0.0336	0.0049	-43.779
Story1	P38	Comb13	-30.6656	-33.1734	0.1819	-0.0336	0.0049	-43.779
Story1	P38	Comb14	-30.6656	-33.1734	0.1819	-0.0336	0.0049	-43.779
Story1	P38	Comb15	-30.7048	-25.7922	0.1498	-0.042	0.004	-33.8926
Story1	P38	Comb16	-30.7048	-25.7922	0.1498	-0.042	0.004	-33.8926
Story1	P38	Comb17	-30.7048	-25.7922	0.1498	-0.042	0.004	-33.8926
Story1	P38	Comb18	-30.7048	-25.7922	0.1498	-0.042	0.004	-33.8926
Story1	P39	Comb3	-109.2193	-104.5241	-0.1138	-0.0311	-0.1376	-164.9012
Story1	P39	Comb4	-109.2193	-104.5241	-0.1138	-0.0311	-0.1376	-164.9012
Story1	P39	Comb5	-109.2193	-104.5241	-0.1138	-0.0311	-0.1376	-164.9012
Story1	P39	Comb6	-109.2193	-104.5241	-0.1138	-0.0311	-0.1376	-164.9012
Story1	P39	Comb7	-135.6384	-84.9751	-0.2758	-0.0498	-0.3024	-131.4717
Story1	P39	Comb8	-135.6384	-84.9751	-0.2758	-0.0498	-0.3024	-131.4717
Story1	P39	Comb9	-135.6384	-84.9751	-0.2758	-0.0498	-0.3024	-131.4717

Story1	P39	Comb10	-123.7823	-84.9762	-0.2807	-0.0491	-0.3042	-131.6714
Story1	P39	Comb11	-79.6198	-104.2049	-0.1307	-0.0264	-0.1438	-165.3248
Story1	P39	Comb12	-79.6198	-104.2049	-0.1307	-0.0264	-0.1438	-165.3248
Story1	P39	Comb13	-79.6198	-104.2049	-0.1307	-0.0264	-0.1438	-165.3248
Story1	P39	Comb14	-79.6198	-104.2049	-0.1307	-0.0264	-0.1438	-165.3248
Story1	P39	Comb15	-106.0388	-84.656	-0.2926	-0.0452	-0.3086	-131.8952
Story1	P39	Comb16	-106.0388	-84.656	-0.2926	-0.0452	-0.3086	-131.8952
Story1	P39	Comb17	-106.0388	-84.656	-0.2926	-0.0452	-0.3086	-131.8952
Story1	P39	Comb18	-106.0388	-84.656	-0.2926	-0.0452	-0.3086	-131.8952
Story1	P40	Comb3	-51.2093	-34.4922	-0.0363	0.0605	-0.2945	-45.8102
Story1	P40	Comb4	-51.2093	-34.4922	-0.0363	0.0605	-0.2945	-45.8102
Story1	P40	Comb5	-51.2093	-34.4922	-0.0363	0.0605	-0.2945	-45.8102
Story1	P40	Comb6	-51.2093	-34.4922	-0.0363	0.0605	-0.2945	-45.8102
Story1	P40	Comb7	-50.711	-28.7704	-0.0968	0.0506	-0.2992	-38.2193
Story1	P40	Comb8	-50.711	-28.7704	-0.0968	0.0506	-0.2992	-38.2193
Story1	P40	Comb9	-50.711	-28.7704	-0.0968	0.0506	-0.2992	-38.2193
Story1	P40	Comb10	-44.0453	-28.8676	-0.0974	0.0417	-0.2629	-38.3355
Story1	P40	Comb11	-31.6808	-34.5771	-0.0505	0.0306	-0.1735	-45.9255
Story1	P40	Comb12	-31.6808	-34.5771	-0.0505	0.0306	-0.1735	-45.9255
Story1	P40	Comb13	-31.6808	-34.5771	-0.0505	0.0306	-0.1735	-45.9255
Story1	P40	Comb14	-31.6808	-34.5771	-0.0505	0.0306	-0.1735	-45.9255
Story1	P40	Comb15	-31.1825	-28.8553	-0.1109	0.0207	-0.1781	-38.3347
Story1	P40	Comb16	-31.1825	-28.8553	-0.1109	0.0207	-0.1781	-38.3347
Story1	P40	Comb17	-31.1825	-28.8553	-0.1109	0.0207	-0.1781	-38.3347
Story1	P40	Comb18	-31.1825	-28.8553	-0.1109	0.0207	-0.1781	-38.3347
Story1	P41	Comb3	-43.356	-35.5098	0.5452	-0.023	0.0148	-47.3483
Story1	P41	Comb4	-43.356	-35.5098	0.5452	-0.023	0.0148	-47.3483
Story1	P41	Comb5	-43.356	-35.5098	0.5452	-0.023	0.0148	-47.3483
Story1	P41	Comb6	-43.356	-35.5098	0.5452	-0.023	0.0148	-47.3483
Story1	P41	Comb7	-43.7511	-30.1775	0.4997	-0.036	0.0135	-40.3117
Story1	P41	Comb8	-43.7511	-30.1775	0.4997	-0.036	0.0135	-40.3117
Story1	P41	Comb9	-43.7511	-30.1775	0.4997	-0.036	0.0135	-40.3117
Story1	P41	Comb10	-37.9346	-30.2467	0.4267	-0.0348	0.0115	-40.3979
Story1	P41	Comb11	-26.6656	-35.8909	0.2894	-0.0186	0.0078	-47.7947
Story1	P41	Comb12	-26.6656	-35.8909	0.2894	-0.0186	0.0078	-47.7947
Story1	P41	Comb13	-26.6656	-35.8909	0.2894	-0.0186	0.0078	-47.7947
Story1	P41	Comb14	-26.6656	-35.8909	0.2894	-0.0186	0.0078	-47.7947
Story1	P41	Comb15	-27.0608	-30.5586	0.2439	-0.0315	0.0064	-40.758
Story1	P41	Comb16	-27.0608	-30.5586	0.2439	-0.0315	0.0064	-40.758
Story1	P41	Comb17	-27.0608	-30.5586	0.2439	-0.0315	0.0064	-40.758
Story1	P41	Comb18	-27.0608	-30.5586	0.2439	-0.0315	0.0064	-40.758

Story1	P42	Comb3	-50.2232	-33.9887	0.0201	-0.0809	-0.0416	-45.3426
Story1	P42	Comb4	-50.2232	-33.9887	0.0201	-0.0809	-0.0416	-45.3426
Story1	P42	Comb5	-50.2232	-33.9887	0.0201	-0.0809	-0.0416	-45.3426
Story1	P42	Comb6	-50.2232	-33.9887	0.0201	-0.0809	-0.0416	-45.3426
Story1	P42	Comb7	-51.1235	-29.7297	-0.0371	-0.0964	-0.0437	-39.682
Story1	P42	Comb8	-51.1235	-29.7297	-0.0371	-0.0964	-0.0437	-39.682
Story1	P42	Comb9	-51.1235	-29.7297	-0.0371	-0.0964	-0.0437	-39.682
Story1	P42	Comb10	-45.2823	-29.6807	-0.0451	-0.0881	-0.0388	-39.6353
Story1	P42	Comb11	-33.2259	-33.8496	-0.0135	-0.053	-0.0261	-45.2081
Story1	P42	Comb12	-33.2259	-33.8496	-0.0135	-0.053	-0.0261	-45.2081
Story1	P42	Comb13	-33.2259	-33.8496	-0.0135	-0.053	-0.0261	-45.2081
Story1	P42	Comb14	-33.2259	-33.8496	-0.0135	-0.053	-0.0261	-45.2081
Story1	P42	Comb15	-34.1262	-29.5906	-0.0706	-0.0685	-0.0281	-39.5475
Story1	P42	Comb16	-34.1262	-29.5906	-0.0706	-0.0685	-0.0281	-39.5475
Story1	P42	Comb17	-34.1262	-29.5906	-0.0706	-0.0685	-0.0281	-39.5475
Story1	P42	Comb18	-34.1262	-29.5906	-0.0706	-0.0685	-0.0281	-39.5475
Story1	P43	Comb3	-50.2992	-42.7336	-0.2437	-0.0158	-0.0065	-57.9078
Story1	P43	Comb4	-50.2992	-42.7336	-0.2437	-0.0158	-0.0065	-57.9078
Story1	P43	Comb5	-50.2992	-42.7336	-0.2437	-0.0158	-0.0065	-57.9078
Story1	P43	Comb6	-50.2992	-42.7336	-0.2437	-0.0158	-0.0065	-57.9078
Story1	P43	Comb7	-54.8309	-38.3291	-0.2973	-0.041	-0.008	-52.0178
Story1	P43	Comb8	-54.8309	-38.3291	-0.2973	-0.041	-0.008	-52.0178
Story1	P43	Comb9	-54.8309	-38.3291	-0.2973	-0.041	-0.008	-52.0178
Story1	P43	Comb10	-49.5266	-38.2475	-0.2727	-0.0421	-0.0074	-51.9352
Story1	P43	Comb11	-34.4108	-42.6053	-0.1499	-0.0196	-0.0041	-57.7762
Story1	P43	Comb12	-34.4108	-42.6053	-0.1499	-0.0196	-0.0041	-57.7762
Story1	P43	Comb13	-34.4108	-42.6053	-0.1499	-0.0196	-0.0041	-57.7762
Story1	P43	Comb14	-34.4108	-42.6053	-0.1499	-0.0196	-0.0041	-57.7762
Story1	P43	Comb15	-38.9424	-38.2009	-0.2035	-0.0448	-0.0056	-51.8862
Story1	P43	Comb16	-38.9424	-38.2009	-0.2035	-0.0448	-0.0056	-51.8862
Story1	P43	Comb17	-38.9424	-38.2009	-0.2035	-0.0448	-0.0056	-51.8862
Story1	P43	Comb18	-38.9424	-38.2009	-0.2035	-0.0448	-0.0056	-51.8862
Story1	P44	Comb3	-43.3717	-36.1755	-0.3974	-0.0238	-0.3376	-46.3225
Story1	P44	Comb4	-43.3717	-36.1755	-0.3974	-0.0238	-0.3376	-46.3225
Story1	P44	Comb5	-43.3717	-36.1755	-0.3974	-0.0238	-0.3376	-46.3225
Story1	P44	Comb6	-43.3717	-36.1755	-0.3974	-0.0238	-0.3376	-46.3225
Story1	P44	Comb7	-60.8477	-36.6245	-0.5127	-0.0462	-0.4503	-46.4281
Story1	P44	Comb8	-60.8477	-36.6245	-0.5127	-0.0462	-0.4503	-46.4281
Story1	P44	Comb9	-60.8477	-36.6245	-0.5127	-0.0462	-0.4503	-46.4281
Story1	P44	Comb10	-56.8223	-35.9583	-0.4732	-0.046	-0.4183	-45.6489
Story1	P44	Comb11	-33.5341	-34.2488	-0.2706	-0.0228	-0.2348	-44.068

Story1	P44	Comb12	-33.5341	-34.2488	-0.2706	-0.0228	-0.2348	-44.068
Story1	P44	Comb13	-33.5341	-34.2488	-0.2706	-0.0228	-0.2348	-44.068
Story1	P44	Comb14	-33.5341	-34.2488	-0.2706	-0.0228	-0.2348	-44.068
Story1	P44	Comb15	-51.0101	-34.6979	-0.3858	-0.0452	-0.3475	-44.1736
Story1	P44	Comb16	-51.0101	-34.6979	-0.3858	-0.0452	-0.3475	-44.1736
Story1	P44	Comb17	-51.0101	-34.6979	-0.3858	-0.0452	-0.3475	-44.1736
Story1	P44	Comb18	-51.0101	-34.6979	-0.3858	-0.0452	-0.3475	-44.1736
Story1	P45	Comb3	-118.3106	-102.993	-0.3027	-0.0739	-0.2642	-156.0437
Story1	P45	Comb4	-118.3106	-102.993	-0.3027	-0.0739	-0.2642	-156.0437
Story1	P45	Comb5	-118.3106	-102.993	-0.3027	-0.0739	-0.2642	-156.0437
Story1	P45	Comb6	-118.3106	-102.993	-0.3027	-0.0739	-0.2642	-156.0437
Story1	P45	Comb7	-113.6342	-57.7097	-0.3692	-0.0356	-0.3237	-83.6736
Story1	P45	Comb8	-113.6342	-57.7097	-0.3692	-0.0356	-0.3237	-83.6736
Story1	P45	Comb9	-113.6342	-57.7097	-0.3692	-0.0356	-0.3237	-83.6736
Story1	P45	Comb10	-99.9427	-56.8926	-0.3659	-0.0342	-0.3233	-84.5126
Story1	P45	Comb11	-88.4488	-100.3899	-0.2879	-0.0709	-0.2614	-159.376
Story1	P45	Comb12	-88.4488	-100.3899	-0.2879	-0.0709	-0.2614	-159.376
Story1	P45	Comb13	-88.4488	-100.3899	-0.2879	-0.0709	-0.2614	-159.376
Story1	P45	Comb14	-88.4488	-100.3899	-0.2879	-0.0709	-0.2614	-159.376
Story1	P45	Comb15	-83.7724	-55.1066	-0.3543	-0.0326	-0.3209	-87.0058
Story1	P45	Comb16	-83.7724	-55.1066	-0.3543	-0.0326	-0.3209	-87.0058
Story1	P45	Comb17	-83.7724	-55.1066	-0.3543	-0.0326	-0.3209	-87.0058
Story1	P45	Comb18	-83.7724	-55.1066	-0.3543	-0.0326	-0.3209	-87.0058
Story1	P46	Comb3	-460.4377	-402.6598	-4.669	0.0847	-0.1825	-727.8987
Story1	P46	Comb4	-460.4377	-402.6598	-4.669	0.0847	-0.1825	-727.8987
Story1	P46	Comb5	-460.4377	-402.6598	-4.669	0.0847	-0.1825	-727.8987
Story1	P46	Comb6	-460.4377	-402.6598	-4.669	0.0847	-0.1825	-727.8987
Story1	P46	Comb7	-462.702	-219.8654	-5.0673	0.0168	-0.3563	-343.1879
Story1	P46	Comb8	-462.702	-219.8654	-5.0673	0.0168	-0.3563	-343.1879
Story1	P46	Comb9	-462.702	-219.8654	-5.0673	0.0168	-0.3563	-343.1879
Story1	P46	Comb10	-401.1913	-220.8332	-4.5092	-0.021	-0.347	-343.2269
Story1	P46	Comb11	-302.2366	-406.7481	-2.7807	-0.1293	-0.152	-727.4015
Story1	P46	Comb12	-302.2366	-406.7481	-2.7807	-0.1293	-0.152	-727.4015
Story1	P46	Comb13	-302.2366	-406.7481	-2.7807	-0.1293	-0.152	-727.4015
Story1	P46	Comb14	-302.2366	-406.7481	-2.7807	-0.1293	-0.152	-727.4015
Story1	P46	Comb15	-304.5009	-223.9537	-3.179	-0.1972	-0.3258	-342.6907
Story1	P46	Comb16	-304.5009	-223.9537	-3.179	-0.1972	-0.3258	-342.6907
Story1	P46	Comb17	-304.5009	-223.9537	-3.179	-0.1972	-0.3258	-342.6907
Story1	P46	Comb18	-304.5009	-223.9537	-3.179	-0.1972	-0.3258	-342.6907
Story1	P47	Comb3	-195.34	-200.9953	-5.4246	-3.507	-0.2067	-349.8695
Story1	P47	Comb4	-195.34	-200.9953	-5.4246	-3.507	-0.2067	-349.8695

Story1	P47	Comb5	-195.34	-200.9953	-5.4246	-3.507	-0.2067	-349.8695
Story1	P47	Comb6	-195.34	-200.9953	-5.4246	-3.507	-0.2067	-349.8695
Story1	P47	Comb7	-180.1347	-135.9034	-5.5663	-3.5106	-0.277	-239.6809
Story1	P47	Comb8	-180.1347	-135.9034	-5.5663	-3.5106	-0.277	-239.6809
Story1	P47	Comb9	-180.1347	-135.9034	-5.5663	-3.5106	-0.277	-239.6809
Story1	P47	Comb10	-156.8047	-136.0355	-4.8972	-3.0813	-0.258	-241.5638
Story1	P47	Comb11	-136.5039	-202.37	-3.1336	-2.0211	-0.1425	-358.2711
Story1	P47	Comb12	-136.5039	-202.37	-3.1336	-2.0211	-0.1425	-358.2711
Story1	P47	Comb13	-136.5039	-202.37	-3.1336	-2.0211	-0.1425	-358.2711
Story1	P47	Comb14	-136.5039	-202.37	-3.1336	-2.0211	-0.1425	-358.2711
Story1	P47	Comb15	-121.2986	-137.278	-3.2754	-2.0247	-0.2127	-248.0824
Story1	P47	Comb16	-121.2986	-137.278	-3.2754	-2.0247	-0.2127	-248.0824
Story1	P47	Comb17	-121.2986	-137.278	-3.2754	-2.0247	-0.2127	-248.0824
Story1	P47	Comb18	-121.2986	-137.278	-3.2754	-2.0247	-0.2127	-248.0824
Story1	P48	Comb3	-122.2446	-114.8344	-1.6396	0.726	-0.2159	-200.5783
Story1	P48	Comb4	-122.2446	-114.8344	-1.6396	0.726	-0.2159	-200.5783
Story1	P48	Comb5	-122.2446	-114.8344	-1.6396	0.726	-0.2159	-200.5783
Story1	P48	Comb6	-122.2446	-114.8344	-1.6396	0.726	-0.2159	-200.5783
Story1	P48	Comb7	-150.3064	-78.401	-1.786	0.6958	-0.3289	-127.5338
Story1	P48	Comb8	-150.3064	-78.401	-1.786	0.6958	-0.3289	-127.5338
Story1	P48	Comb9	-150.3064	-78.401	-1.786	0.6958	-0.3289	-127.5338
Story1	P48	Comb10	-137.5235	-79.0126	-1.5928	0.5952	-0.3146	-127.7312
Story1	P48	Comb11	-92.5071	-117.1257	-1.0051	0.3942	-0.17	-201.3899
Story1	P48	Comb12	-92.5071	-117.1257	-1.0051	0.3942	-0.17	-201.3899
Story1	P48	Comb13	-92.5071	-117.1257	-1.0051	0.3942	-0.17	-201.3899
Story1	P48	Comb14	-92.5071	-117.1257	-1.0051	0.3942	-0.17	-201.3899
Story1	P48	Comb15	-120.5689	-80.6922	-1.1515	0.3639	-0.283	-128.3454
Story1	P48	Comb16	-120.5689	-80.6922	-1.1515	0.3639	-0.283	-128.3454
Story1	P48	Comb17	-120.5689	-80.6922	-1.1515	0.3639	-0.283	-128.3454
Story1	P48	Comb18	-120.5689	-80.6922	-1.1515	0.3639	-0.283	-128.3454
Story1	P49	Comb3	-42.1989	-39.6007	-1.6565	-0.0989	-0.0372	-54.6117
Story1	P49	Comb4	-42.1989	-39.6007	-1.6565	-0.0989	-0.0372	-54.6117
Story1	P49	Comb5	-42.1989	-39.6007	-1.6565	-0.0989	-0.0372	-54.6117
Story1	P49	Comb6	-42.1989	-39.6007	-1.6565	-0.0989	-0.0372	-54.6117
Story1	P49	Comb7	-42.9143	-23.681	-1.6729	-0.1118	-0.0377	-32.4704
Story1	P49	Comb8	-42.9143	-23.681	-1.6729	-0.1118	-0.0377	-32.4704
Story1	P49	Comb9	-42.9143	-23.681	-1.6729	-0.1118	-0.0377	-32.4704
Story1	P49	Comb10	-37.1065	-23.582	-1.4658	-0.1015	-0.033	-32.3883
Story1	P49	Comb11	-27.324	-39.1476	-0.9466	-0.0618	-0.0213	-54.192
Story1	P49	Comb12	-27.324	-39.1476	-0.9466	-0.0618	-0.0213	-54.192
Story1	P49	Comb13	-27.324	-39.1476	-0.9466	-0.0618	-0.0213	-54.192

Story1	P49	Comb14	-27.324	-39.1476	-0.9466	-0.0618	-0.0213	-54.192
Story1	P49	Comb15	-28.0394	-23.228	-0.963	-0.0747	-0.0217	-32.0507
Story1	P49	Comb16	-28.0394	-23.228	-0.963	-0.0747	-0.0217	-32.0507
Story1	P49	Comb17	-28.0394	-23.228	-0.963	-0.0747	-0.0217	-32.0507
Story1	P49	Comb18	-28.0394	-23.228	-0.963	-0.0747	-0.0217	-32.0507
Story1	P50	Comb3	-41.5367	-32.773	-1.6601	0.0392	-0.0408	-44.8754
Story1	P50	Comb4	-41.5367	-32.773	-1.6601	0.0392	-0.0408	-44.8754
Story1	P50	Comb5	-41.5367	-32.773	-1.6601	0.0392	-0.0408	-44.8754
Story1	P50	Comb6	-41.5367	-32.773	-1.6601	0.0392	-0.0408	-44.8754
Story1	P50	Comb7	-41.9777	-17.1588	-1.6873	0.0245	-0.0415	-23.5715
Story1	P50	Comb8	-41.9777	-17.1588	-1.6873	0.0245	-0.0415	-23.5715
Story1	P50	Comb9	-41.9777	-17.1588	-1.6873	0.0245	-0.0415	-23.5715
Story1	P50	Comb10	-36.5177	-17.303	-1.4805	0.0177	-0.0365	-23.727
Story1	P50	Comb11	-26.8335	-33.2711	-0.9538	0.0144	-0.0235	-45.3693
Story1	P50	Comb12	-26.8335	-33.2711	-0.9538	0.0144	-0.0235	-45.3693
Story1	P50	Comb13	-26.8335	-33.2711	-0.9538	0.0144	-0.0235	-45.3693
Story1	P50	Comb14	-26.8335	-33.2711	-0.9538	0.0144	-0.0235	-45.3693
Story1	P50	Comb15	-27.2745	-17.6568	-0.9811	-0.0002	-0.0242	-24.0654
Story1	P50	Comb16	-27.2745	-17.6568	-0.9811	-0.0002	-0.0242	-24.0654
Story1	P50	Comb17	-27.2745	-17.6568	-0.9811	-0.0002	-0.0242	-24.0654
Story1	P50	Comb18	-27.2745	-17.6568	-0.9811	-0.0002	-0.0242	-24.0654
Story1	P51	Comb3	-218.1162	-225.7952	-1.293	0.801	-0.4726	-365.0011
Story1	P51	Comb4	-218.1162	-225.7952	-1.293	0.801	-0.4726	-365.0011
Story1	P51	Comb5	-218.1162	-225.7952	-1.293	0.801	-0.4726	-365.0011
Story1	P51	Comb6	-218.1162	-225.7952	-1.293	0.801	-0.4726	-365.0011
Story1	P51	Comb7	-297.0802	-119.2729	-1.6798	0.5272	-0.8776	-170.3324
Story1	P51	Comb8	-297.0802	-119.2729	-1.6798	0.5272	-0.8776	-170.3324
Story1	P51	Comb9	-297.0802	-119.2729	-1.6798	0.5272	-0.8776	-170.3324
Story1	P51	Comb10	-274.8333	-117.4854	-1.5493	0.3956	-0.8561	-173.9857
Story1	P51	Comb11	-163.0211	-218.7561	-0.8869	0.3336	-0.4055	-374.6832
Story1	P51	Comb12	-163.0211	-218.7561	-0.8869	0.3336	-0.4055	-374.6832
Story1	P51	Comb13	-163.0211	-218.7561	-0.8869	0.3336	-0.4055	-374.6832
Story1	P51	Comb14	-163.0211	-218.7561	-0.8869	0.3336	-0.4055	-374.6832
Story1	P51	Comb15	-241.9851	-112.2337	-1.2737	0.0597	-0.8105	-180.0144
Story1	P51	Comb16	-241.9851	-112.2337	-1.2737	0.0597	-0.8105	-180.0144
Story1	P51	Comb17	-241.9851	-112.2337	-1.2737	0.0597	-0.8105	-180.0144
Story1	P51	Comb18	-241.9851	-112.2337	-1.2737	0.0597	-0.8105	-180.0144
Story1	P52	Comb3	-58.8254	-18.5063	-0.2399	-0.0683	-0.141	-26.4997
Story1	P52	Comb4	-58.8254	-18.5063	-0.2399	-0.0683	-0.141	-26.4997
Story1	P52	Comb5	-58.8254	-18.5063	-0.2399	-0.0683	-0.141	-26.4997
Story1	P52	Comb6	-58.8254	-18.5063	-0.2399	-0.0683	-0.141	-26.4997

Story1	P52	Comb7	-63.1643	-10.2911	-0.2524	-0.0607	-0.1565	-13.7388
Story1	P52	Comb8	-63.1643	-10.2911	-0.2524	-0.0607	-0.1565	-13.7388
Story1	P52	Comb9	-63.1643	-10.2911	-0.2524	-0.0607	-0.1565	-13.7388
Story1	P52	Comb10	-58.8078	-10.0999	-0.2336	-0.0567	-0.153	-13.5714
Story1	P52	Comb11	-47.9272	-18.2749	-0.176	-0.0543	-0.1295	-26.518
Story1	P52	Comb12	-47.9272	-18.2749	-0.176	-0.0543	-0.1295	-26.518
Story1	P52	Comb13	-47.9272	-18.2749	-0.176	-0.0543	-0.1295	-26.518
Story1	P52	Comb14	-47.9272	-18.2749	-0.176	-0.0543	-0.1295	-26.518
Story1	P52	Comb15	-52.2661	-10.0596	-0.1884	-0.0467	-0.145	-13.7571
Story1	P52	Comb16	-52.2661	-10.0596	-0.1884	-0.0467	-0.145	-13.7571
Story1	P52	Comb17	-52.2661	-10.0596	-0.1884	-0.0467	-0.145	-13.7571
Story1	P52	Comb18	-52.2661	-10.0596	-0.1884	-0.0467	-0.145	-13.7571
Story1	P53	Comb3	-97.3936	-49.719	-1.027	-0.5648	-0.3455	-84.038
Story1	P53	Comb4	-97.3936	-49.719	-1.027	-0.5648	-0.3455	-84.038
Story1	P53	Comb5	-97.3936	-49.719	-1.027	-0.5648	-0.3455	-84.038
Story1	P53	Comb6	-97.3936	-49.719	-1.027	-0.5648	-0.3455	-84.038
Story1	P53	Comb7	-109.9381	-26.9125	-1.1016	-0.5541	-0.4184	-44.2726
Story1	P53	Comb8	-109.9381	-26.9125	-1.1016	-0.5541	-0.4184	-44.2726
Story1	P53	Comb9	-109.9381	-26.9125	-1.1016	-0.5541	-0.4184	-44.2726
Story1	P53	Comb10	-100.3547	-26.7323	-0.9947	-0.489	-0.401	-44.4634
Story1	P53	Comb11	-75.7854	-49.6383	-0.6787	-0.3594	-0.2891	-85.7122
Story1	P53	Comb12	-75.7854	-49.6383	-0.6787	-0.3594	-0.2891	-85.7122
Story1	P53	Comb13	-75.7854	-49.6383	-0.6787	-0.3594	-0.2891	-85.7122
Story1	P53	Comb14	-75.7854	-49.6383	-0.6787	-0.3594	-0.2891	-85.7122
Story1	P53	Comb15	-88.3298	-26.8318	-0.7533	-0.3487	-0.362	-45.9468
Story1	P53	Comb16	-88.3298	-26.8318	-0.7533	-0.3487	-0.362	-45.9468
Story1	P53	Comb17	-88.3298	-26.8318	-0.7533	-0.3487	-0.362	-45.9468
Story1	P53	Comb18	-88.3298	-26.8318	-0.7533	-0.3487	-0.362	-45.9468
Story1	P54	Comb3	-33.6212	-15.1824	-1.0848	0.0059	-0.029	-20.7507
Story1	P54	Comb4	-33.6212	-15.1824	-1.0848	0.0059	-0.029	-20.7507
Story1	P54	Comb5	-33.6212	-15.1824	-1.0848	0.0059	-0.029	-20.7507
Story1	P54	Comb6	-33.6212	-15.1824	-1.0848	0.0059	-0.029	-20.7507
Story1	P54	Comb7	-34.125	-8.1211	-1.0987	0.0108	-0.0293	-11.12
Story1	P54	Comb8	-34.125	-8.1211	-1.0987	0.0108	-0.0293	-11.12
Story1	P54	Comb9	-34.125	-8.1211	-1.0987	0.0108	-0.0293	-11.12
Story1	P54	Comb10	-29.6386	-8.228	-0.9633	0.0083	-0.0257	-11.2471
Story1	P54	Comb11	-22.4067	-15.7401	-0.631	-0.0033	-0.0169	-21.4293
Story1	P54	Comb12	-22.4067	-15.7401	-0.631	-0.0033	-0.0169	-21.4293
Story1	P54	Comb13	-22.4067	-15.7401	-0.631	-0.0033	-0.0169	-21.4293
Story1	P54	Comb14	-22.4067	-15.7401	-0.631	-0.0033	-0.0169	-21.4293
Story1	P54	Comb15	-22.9105	-8.6788	-0.645	0.0016	-0.0172	-11.7985

Story1	P54	Comb16	-22.9105	-8.6788	-0.645	0.0016	-0.0172	-11.7985
Story1	P54	Comb17	-22.9105	-8.6788	-0.645	0.0016	-0.0172	-11.7985
Story1	P54	Comb18	-22.9105	-8.6788	-0.645	0.0016	-0.0172	-11.7985
Story1	P55	Comb3	-29.3517	-15.1567	-0.2323	0.0113	-0.0993	-19.6978
Story1	P55	Comb4	-29.3517	-15.1567	-0.2323	0.0113	-0.0993	-19.6978
Story1	P55	Comb5	-29.3517	-15.1567	-0.2323	0.0113	-0.0993	-19.6978
Story1	P55	Comb6	-29.3517	-15.1567	-0.2323	0.0113	-0.0993	-19.6978
Story1	P55	Comb7	-36.4484	-10.9466	-0.2609	0.0159	-0.129	-13.8518
Story1	P55	Comb8	-36.4484	-10.9466	-0.2609	0.0159	-0.129	-13.8518
Story1	P55	Comb9	-36.4484	-10.9466	-0.2609	0.0159	-0.129	-13.8518
Story1	P55	Comb10	-33.4231	-10.9294	-0.2337	0.0129	-0.1198	-13.8365
Story1	P55	Comb11	-22.1997	-15.1768	-0.1531	0.002	-0.0726	-19.7559
Story1	P55	Comb12	-22.1997	-15.1768	-0.1531	0.002	-0.0726	-19.7559
Story1	P55	Comb13	-22.1997	-15.1768	-0.1531	0.002	-0.0726	-19.7559
Story1	P55	Comb14	-22.1997	-15.1768	-0.1531	0.002	-0.0726	-19.7559
Story1	P55	Comb15	-29.2964	-10.9667	-0.1817	0.0067	-0.1023	-13.9098
Story1	P55	Comb16	-29.2964	-10.9667	-0.1817	0.0067	-0.1023	-13.9098
Story1	P55	Comb17	-29.2964	-10.9667	-0.1817	0.0067	-0.1023	-13.9098
Story1	P55	Comb18	-29.2964	-10.9667	-0.1817	0.0067	-0.1023	-13.9098
Story1	P56	Comb3	-145.9404	-130.1999	-1.2724	-1.049	-0.1858	-267.9349
Story1	P56	Comb4	-145.9404	-130.1999	-1.2724	-1.049	-0.1858	-267.9349
Story1	P56	Comb5	-145.9404	-130.1999	-1.2724	-1.049	-0.1858	-267.9349
Story1	P56	Comb6	-145.9404	-130.1999	-1.2724	-1.049	-0.1858	-267.9349
Story1	P56	Comb7	-169.0037	-76.1094	-1.4669	-1.0657	-0.3348	-167.5611
Story1	P56	Comb8	-169.0037	-76.1094	-1.4669	-1.0657	-0.3348	-167.5611
Story1	P56	Comb9	-169.0037	-76.1094	-1.4669	-1.0657	-0.3348	-167.5611
Story1	P56	Comb10	-150.1127	-76.0888	-1.3197	-0.9349	-0.3252	-169.1344
Story1	P56	Comb11	-104.7278	-129.8736	-0.8014	-0.6692	-0.1535	-274.9746
Story1	P56	Comb12	-104.7278	-129.8736	-0.8014	-0.6692	-0.1535	-274.9746
Story1	P56	Comb13	-104.7278	-129.8736	-0.8014	-0.6692	-0.1535	-274.9746
Story1	P56	Comb14	-104.7278	-129.8736	-0.8014	-0.6692	-0.1535	-274.9746
Story1	P56	Comb15	-127.7911	-75.7831	-0.9959	-0.686	-0.3025	-174.6008
Story1	P56	Comb16	-127.7911	-75.7831	-0.9959	-0.686	-0.3025	-174.6008
Story1	P56	Comb17	-127.7911	-75.7831	-0.9959	-0.686	-0.3025	-174.6008
Story1	P56	Comb18	-127.7911	-75.7831	-0.9959	-0.686	-0.3025	-174.6008
Story1	P57	Comb3	-73.6142	-66.4783	-1.1371	-0.01	-0.0029	-113.2525
Story1	P57	Comb4	-73.6142	-66.4783	-1.1371	-0.01	-0.0029	-113.2525
Story1	P57	Comb5	-73.6142	-66.4783	-1.1371	-0.01	-0.0029	-113.2525
Story1	P57	Comb6	-73.6142	-66.4783	-1.1371	-0.01	-0.0029	-113.2525
Story1	P57	Comb7	-74.0007	-31.784	-1.202	-0.0025	-0.003	-53.4459
Story1	P57	Comb8	-74.0007	-31.784	-1.202	-0.0025	-0.003	-53.4459

Story1	P57	Comb9	-74.0007	-31.784	-1.202	-0.0025	-0.003	-53.4459
Story1	P57	Comb10	-63.5576	-31.922	-1.0566	-0.0029	-0.0027	-53.7296
Story1	P57	Comb11	-48.1836	-66.8851	-0.7012	-0.0166	-0.0015	-113.9948
Story1	P57	Comb12	-48.1836	-66.8851	-0.7012	-0.0166	-0.0015	-113.9948
Story1	P57	Comb13	-48.1836	-66.8851	-0.7012	-0.0166	-0.0015	-113.9948
Story1	P57	Comb14	-48.1836	-66.8851	-0.7012	-0.0166	-0.0015	-113.9948
Story1	P57	Comb15	-48.5701	-32.1908	-0.7661	-0.009	-0.0016	-54.1883
Story1	P57	Comb16	-48.5701	-32.1908	-0.7661	-0.009	-0.0016	-54.1883
Story1	P57	Comb17	-48.5701	-32.1908	-0.7661	-0.009	-0.0016	-54.1883
Story1	P57	Comb18	-48.5701	-32.1908	-0.7661	-0.009	-0.0016	-54.1883
Story1	P58	Comb3	-22.4882	-14.7608	-0.2792	-0.0025	-0.0091	-19.4005
Story1	P58	Comb4	-22.4882	-14.7608	-0.2792	-0.0025	-0.0091	-19.4005
Story1	P58	Comb5	-22.4882	-14.7608	-0.2792	-0.0025	-0.0091	-19.4005
Story1	P58	Comb6	-22.4882	-14.7608	-0.2792	-0.0025	-0.0091	-19.4005
Story1	P58	Comb7	-20.877	-6.5726	-0.296	-0.0068	-0.0097	-8.5998
Story1	P58	Comb8	-20.877	-6.5726	-0.296	-0.0068	-0.0097	-8.5998
Story1	P58	Comb9	-20.877	-6.5726	-0.296	-0.0068	-0.0097	-8.5998
Story1	P58	Comb10	-18.0809	-6.5638	-0.2605	-0.0073	-0.0085	-8.5948
Story1	P58	Comb11	-15.683	-14.6762	-0.1722	-0.0043	-0.0056	-19.3192
Story1	P58	Comb12	-15.683	-14.6762	-0.1722	-0.0043	-0.0056	-19.3192
Story1	P58	Comb13	-15.683	-14.6762	-0.1722	-0.0043	-0.0056	-19.3192
Story1	P58	Comb14	-15.683	-14.6762	-0.1722	-0.0043	-0.0056	-19.3192
Story1	P58	Comb15	-14.0718	-6.488	-0.189	-0.0085	-0.0062	-8.5186
Story1	P58	Comb16	-14.0718	-6.488	-0.189	-0.0085	-0.0062	-8.5186
Story1	P58	Comb17	-14.0718	-6.488	-0.189	-0.0085	-0.0062	-8.5186
Story1	P58	Comb18	-14.0718	-6.488	-0.189	-0.0085	-0.0062	-8.5186
Story1	P59	Comb3	-198.0743	-231.4037	5.1321	3.2238	0.1019	-407.5253
Story1	P59	Comb4	-198.0743	-231.4037	5.1321	3.2238	0.1019	-407.5253
Story1	P59	Comb5	-198.0743	-231.4037	5.1321	3.2238	0.1019	-407.5253
Story1	P59	Comb6	-198.0743	-231.4037	5.1321	3.2238	0.1019	-407.5253
Story1	P59	Comb7	-181.8534	-177.4074	4.9869	3.1674	0.0316	-310.185
Story1	P59	Comb8	-181.8534	-177.4074	4.9869	3.1674	0.0316	-310.185
Story1	P59	Comb9	-181.8534	-177.4074	4.9869	3.1674	0.0316	-310.185
Story1	P59	Comb10	-158.8697	-177.1414	4.3271	2.7518	0.0128	-311.7816
Story1	P59	Comb11	-141.6079	-230.694	2.8749	1.7848	0.039	-413.7357
Story1	P59	Comb12	-141.6079	-230.694	2.8749	1.7848	0.039	-413.7357
Story1	P59	Comb13	-141.6079	-230.694	2.8749	1.7848	0.039	-413.7357
Story1	P59	Comb14	-141.6079	-230.694	2.8749	1.7848	0.039	-413.7357
Story1	P59	Comb15	-125.3869	-176.6978	2.7298	1.7285	-0.0313	-316.3955
Story1	P59	Comb16	-125.3869	-176.6978	2.7298	1.7285	-0.0313	-316.3955
Story1	P59	Comb17	-125.3869	-176.6978	2.7298	1.7285	-0.0313	-316.3955

Story1	P59	Comb18	-125.3869	-176.6978	2.7298	1.7285	-0.0313	-316.3955
Story1	P60	Comb3	-111.6071	-131.6439	1.3975	-0.3306	0.0602	-238.6787
Story1	P60	Comb4	-111.6071	-131.6439	1.3975	-0.3306	0.0602	-238.6787
Story1	P60	Comb5	-111.6071	-131.6439	1.3975	-0.3306	0.0602	-238.6787
Story1	P60	Comb6	-111.6071	-131.6439	1.3975	-0.3306	0.0602	-238.6787
Story1	P60	Comb7	-150.9933	-104.8903	1.1455	-0.4115	-0.1791	-186.5136
Story1	P60	Comb8	-150.9933	-104.8903	1.1455	-0.4115	-0.1791	-186.5136
Story1	P60	Comb9	-150.9933	-104.8903	1.1455	-0.4115	-0.1791	-186.5136
Story1	P60	Comb10	-138.6295	-105.1164	0.944	-0.3776	-0.2084	-186.5843
Story1	P60	Comb11	-83.3396	-132.6312	0.7321	-0.2246	-0.0355	-238.61
Story1	P60	Comb12	-83.3396	-132.6312	0.7321	-0.2246	-0.0355	-238.61
Story1	P60	Comb13	-83.3396	-132.6312	0.7321	-0.2246	-0.0355	-238.61
Story1	P60	Comb14	-83.3396	-132.6312	0.7321	-0.2246	-0.0355	-238.61
Story1	P60	Comb15	-122.7258	-105.8775	0.4802	-0.3054	-0.2748	-186.4449
Story1	P60	Comb16	-122.7258	-105.8775	0.4802	-0.3054	-0.2748	-186.4449
Story1	P60	Comb17	-122.7258	-105.8775	0.4802	-0.3054	-0.2748	-186.4449
Story1	P60	Comb18	-122.7258	-105.8775	0.4802	-0.3054	-0.2748	-186.4449
Story1	P61	Comb3	-45.8566	-45.5702	2.0268	0.0682	0.0455	-63.3002
Story1	P61	Comb4	-45.8566	-45.5702	2.0268	0.0682	0.0455	-63.3002
Story1	P61	Comb5	-45.8566	-45.5702	2.0268	0.0682	0.0455	-63.3002
Story1	P61	Comb6	-45.8566	-45.5702	2.0268	0.0682	0.0455	-63.3002
Story1	P61	Comb7	-45.3788	-34.9709	1.9804	0.0439	0.0445	-48.511
Story1	P61	Comb8	-45.3788	-34.9709	1.9804	0.0439	0.0445	-48.511
Story1	P61	Comb9	-45.3788	-34.9709	1.9804	0.0439	0.0445	-48.511
Story1	P61	Comb10	-39.235	-34.8349	1.7206	0.0326	0.0387	-48.3738
Story1	P61	Comb11	-29.7471	-45.0278	1.1341	0.0271	0.0255	-62.7125
Story1	P61	Comb12	-29.7471	-45.0278	1.1341	0.0271	0.0255	-62.7125
Story1	P61	Comb13	-29.7471	-45.0278	1.1341	0.0271	0.0255	-62.7125
Story1	P61	Comb14	-29.7471	-45.0278	1.1341	0.0271	0.0255	-62.7125
Story1	P61	Comb15	-29.2693	-34.4284	1.0878	0.0028	0.0244	-47.9233
Story1	P61	Comb16	-29.2693	-34.4284	1.0878	0.0028	0.0244	-47.9233
Story1	P61	Comb17	-29.2693	-34.4284	1.0878	0.0028	0.0244	-47.9233
Story1	P61	Comb18	-29.2693	-34.4284	1.0878	0.0028	0.0244	-47.9233
Story1	P62	Comb3	-42.1774	-38.2234	2.2341	-0.0118	0.0549	-52.6216
Story1	P62	Comb4	-42.1774	-38.2234	2.2341	-0.0118	0.0549	-52.6216
Story1	P62	Comb5	-42.1774	-38.2234	2.2341	-0.0118	0.0549	-52.6216
Story1	P62	Comb6	-42.1774	-38.2234	2.2341	-0.0118	0.0549	-52.6216
Story1	P62	Comb7	-41.9684	-27.4181	2.1916	-0.0265	0.0538	-37.8275
Story1	P62	Comb8	-41.9684	-27.4181	2.1916	-0.0265	0.0538	-37.8275
Story1	P62	Comb9	-41.9684	-27.4181	2.1916	-0.0265	0.0538	-37.8275
Story1	P62	Comb10	-36.3666	-27.4217	1.9064	-0.0272	0.0468	-37.8209

Story1	P62	Comb11	-26.8959	-38.2978	1.2535	-0.0136	0.0308	-52.6116
Story1	P62	Comb12	-26.8959	-38.2978	1.2535	-0.0136	0.0308	-52.6116
Story1	P62	Comb13	-26.8959	-38.2978	1.2535	-0.0136	0.0308	-52.6116
Story1	P62	Comb14	-26.8959	-38.2978	1.2535	-0.0136	0.0308	-52.6116
Story1	P62	Comb15	-26.6868	-27.4925	1.2109	-0.0282	0.0297	-37.8175
Story1	P62	Comb16	-26.6868	-27.4925	1.2109	-0.0282	0.0297	-37.8175
Story1	P62	Comb17	-26.6868	-27.4925	1.2109	-0.0282	0.0297	-37.8175
Story1	P62	Comb18	-26.6868	-27.4925	1.2109	-0.0282	0.0297	-37.8175
Story1	P63	Comb3	-73.2994	-74.4409	3.6195	-0.2479	0.0577	-115.4563
Story1	P63	Comb4	-73.2994	-74.4409	3.6195	-0.2479	0.0577	-115.4563
Story1	P63	Comb5	-73.2994	-74.4409	3.6195	-0.2479	0.0577	-115.4563
Story1	P63	Comb6	-73.2994	-74.4409	3.6195	-0.2479	0.0577	-115.4563
Story1	P63	Comb7	-72.2149	-50.08	3.5427	-0.2601	0.0565	-78.4853
Story1	P63	Comb8	-72.2149	-50.08	3.5427	-0.2601	0.0565	-78.4853
Story1	P63	Comb9	-72.2149	-50.08	3.5427	-0.2601	0.0565	-78.4853
Story1	P63	Comb10	-62.3096	-50.0994	3.0815	-0.2331	0.0491	-78.4206
Story1	P63	Comb11	-47.8646	-74.3961	2.0198	-0.1563	0.0322	-114.7925
Story1	P63	Comb12	-47.8646	-74.3961	2.0198	-0.1563	0.0322	-114.7925
Story1	P63	Comb13	-47.8646	-74.3961	2.0198	-0.1563	0.0322	-114.7925
Story1	P63	Comb14	-47.8646	-74.3961	2.0198	-0.1563	0.0322	-114.7925
Story1	P63	Comb15	-46.7801	-50.0352	1.9431	-0.1685	0.031	-77.8216
Story1	P63	Comb16	-46.7801	-50.0352	1.9431	-0.1685	0.031	-77.8216
Story1	P63	Comb17	-46.7801	-50.0352	1.9431	-0.1685	0.031	-77.8216
Story1	P63	Comb18	-46.7801	-50.0352	1.9431	-0.1685	0.031	-77.8216
Story1	P64	Comb3	-122.2813	-95.7251	1.0629	-0.5041	-0.0359	-138.6444
Story1	P64	Comb4	-122.2813	-95.7251	1.0629	-0.5041	-0.0359	-138.6444
Story1	P64	Comb5	-122.2813	-95.7251	1.0629	-0.5041	-0.0359	-138.6444
Story1	P64	Comb6	-122.2813	-95.7251	1.0629	-0.5041	-0.0359	-138.6444
Story1	P64	Comb7	-160.9721	-65.5541	0.868	-0.5666	-0.2471	-91.9673
Story1	P64	Comb8	-160.9721	-65.5541	0.868	-0.5666	-0.2471	-91.9673
Story1	P64	Comb9	-160.9721	-65.5541	0.868	-0.5666	-0.2471	-91.9673
Story1	P64	Comb10	-149.361	-64.3853	0.7145	-0.5112	-0.2626	-91.1235
Story1	P64	Comb11	-88.6031	-91.8063	0.5481	-0.318	-0.0883	-135.3706
Story1	P64	Comb12	-88.6031	-91.8063	0.5481	-0.318	-0.0883	-135.3706
Story1	P64	Comb13	-88.6031	-91.8063	0.5481	-0.318	-0.0883	-135.3706
Story1	P64	Comb14	-88.6031	-91.8063	0.5481	-0.318	-0.0883	-135.3706
Story1	P64	Comb15	-127.2939	-61.6353	0.3533	-0.3805	-0.2995	-88.6936
Story1	P64	Comb16	-127.2939	-61.6353	0.3533	-0.3805	-0.2995	-88.6936
Story1	P64	Comb17	-127.2939	-61.6353	0.3533	-0.3805	-0.2995	-88.6936
Story1	P64	Comb18	-127.2939	-61.6353	0.3533	-0.3805	-0.2995	-88.6936
Story1	P65	Comb3	-98.356	-78.3099	0.0028	-0.0149	-0.0523	-115.7567

Story1	P65	Comb4	-98.356	-78.3099	0.0028	-0.0149	-0.0523	-115.7567
Story1	P65	Comb5	-98.356	-78.3099	0.0028	-0.0149	-0.0523	-115.7567
Story1	P65	Comb6	-98.356	-78.3099	0.0028	-0.0149	-0.0523	-115.7567
Story1	P65	Comb7	-103.8625	-70.0463	-0.0736	-0.0312	-0.1125	-99.6588
Story1	P65	Comb8	-103.8625	-70.0463	-0.0736	-0.0312	-0.1125	-99.6588
Story1	P65	Comb9	-103.8625	-70.0463	-0.0736	-0.0312	-0.1125	-99.6588
Story1	P65	Comb10	-95.0686	-69.1584	-0.0809	-0.0338	-0.1129	-98.9222
Story1	P65	Comb11	-77.2711	-75.7306	-0.0239	-0.0235	-0.0542	-113.5229
Story1	P65	Comb12	-77.2711	-75.7306	-0.0239	-0.0235	-0.0542	-113.5229
Story1	P65	Comb13	-77.2711	-75.7306	-0.0239	-0.0235	-0.0542	-113.5229
Story1	P65	Comb14	-77.2711	-75.7306	-0.0239	-0.0235	-0.0542	-113.5229
Story1	P65	Comb15	-82.7775	-67.4671	-0.1003	-0.0399	-0.1144	-97.425
Story1	P65	Comb16	-82.7775	-67.4671	-0.1003	-0.0399	-0.1144	-97.425
Story1	P65	Comb17	-82.7775	-67.4671	-0.1003	-0.0399	-0.1144	-97.425
Story1	P65	Comb18	-82.7775	-67.4671	-0.1003	-0.0399	-0.1144	-97.425
Story1	P66	Comb3	-43.9388	-31.5983	-0.2351	-0.0314	-0.0066	-42.5394
Story1	P66	Comb4	-43.9388	-31.5983	-0.2351	-0.0314	-0.0066	-42.5394
Story1	P66	Comb5	-43.9388	-31.5983	-0.2351	-0.0314	-0.0066	-42.5394
Story1	P66	Comb6	-43.9388	-31.5983	-0.2351	-0.0314	-0.0066	-42.5394
Story1	P66	Comb7	-42.4732	-27.3776	-0.2653	-0.0446	-0.0074	-36.6501
Story1	P66	Comb8	-42.4732	-27.3776	-0.2653	-0.0446	-0.0074	-36.6501
Story1	P66	Comb9	-42.4732	-27.3776	-0.2653	-0.0446	-0.0074	-36.6501
Story1	P66	Comb10	-37.433	-27.3814	-0.2376	-0.042	-0.0066	-36.652
Story1	P66	Comb11	-29.0645	-31.6465	-0.1429	-0.0226	-0.004	-42.5758
Story1	P66	Comb12	-29.0645	-31.6465	-0.1429	-0.0226	-0.004	-42.5758
Story1	P66	Comb13	-29.0645	-31.6465	-0.1429	-0.0226	-0.004	-42.5758
Story1	P66	Comb14	-29.0645	-31.6465	-0.1429	-0.0226	-0.004	-42.5758
Story1	P66	Comb15	-27.5988	-27.4258	-0.173	-0.0358	-0.0048	-36.6865
Story1	P66	Comb16	-27.5988	-27.4258	-0.173	-0.0358	-0.0048	-36.6865
Story1	P66	Comb17	-27.5988	-27.4258	-0.173	-0.0358	-0.0048	-36.6865
Story1	P66	Comb18	-27.5988	-27.4258	-0.173	-0.0358	-0.0048	-36.6865
Story1	P67	Comb3	-44.988	-37.4281	-0.6072	-0.0219	-0.0165	-50.0528
Story1	P67	Comb4	-44.988	-37.4281	-0.6072	-0.0219	-0.0165	-50.0528
Story1	P67	Comb5	-44.988	-37.4281	-0.6072	-0.0219	-0.0165	-50.0528
Story1	P67	Comb6	-44.988	-37.4281	-0.6072	-0.0219	-0.0165	-50.0528
Story1	P67	Comb7	-45.1589	-32.4631	-0.6435	-0.0363	-0.0175	-43.2333
Story1	P67	Comb8	-45.1589	-32.4631	-0.6435	-0.0363	-0.0175	-43.2333
Story1	P67	Comb9	-45.1589	-32.4631	-0.6435	-0.0363	-0.0175	-43.2333
Story1	P67	Comb10	-39.1148	-32.371	-0.5707	-0.0352	-0.0155	-43.1287
Story1	P67	Comb11	-27.7984	-37.0102	-0.3521	-0.0174	-0.0095	-49.5744
Story1	P67	Comb12	-27.7984	-37.0102	-0.3521	-0.0174	-0.0095	-49.5744

Story1	P67	Comb13	-27.7984	-37.0102	-0.3521	-0.0174	-0.0095	-49.5744
Story1	P67	Comb14	-27.7984	-37.0102	-0.3521	-0.0174	-0.0095	-49.5744
Story1	P67	Comb15	-27.9692	-32.0452	-0.3884	-0.0318	-0.0106	-42.7549
Story1	P67	Comb16	-27.9692	-32.0452	-0.3884	-0.0318	-0.0106	-42.7549
Story1	P67	Comb17	-27.9692	-32.0452	-0.3884	-0.0318	-0.0106	-42.7549
Story1	P67	Comb18	-27.9692	-32.0452	-0.3884	-0.0318	-0.0106	-42.7549
Story1	P68	Comb3	-49.2303	-34.3321	-0.0715	-0.0302	0.2554	-46.0636
Story1	P68	Comb4	-49.2303	-34.3321	-0.0715	-0.0302	0.2554	-46.0636
Story1	P68	Comb5	-49.2303	-34.3321	-0.0715	-0.0302	0.2554	-46.0636
Story1	P68	Comb6	-49.2303	-34.3321	-0.0715	-0.0302	0.2554	-46.0636
Story1	P68	Comb7	-49.7739	-29.7993	-0.1204	-0.0417	0.2513	-39.9178
Story1	P68	Comb8	-49.7739	-29.7993	-0.1204	-0.0417	0.2513	-39.9178
Story1	P68	Comb9	-49.7739	-29.7993	-0.1204	-0.0417	0.2513	-39.9178
Story1	P68	Comb10	-43.4968	-29.9561	-0.1174	-0.0392	0.2176	-40.0912
Story1	P68	Comb11	-30.8139	-34.9805	-0.0533	-0.0225	0.1427	-46.7765
Story1	P68	Comb12	-30.8139	-34.9805	-0.0533	-0.0225	0.1427	-46.7765
Story1	P68	Comb13	-30.8139	-34.9805	-0.0533	-0.0225	0.1427	-46.7765
Story1	P68	Comb14	-30.8139	-34.9805	-0.0533	-0.0225	0.1427	-46.7765
Story1	P68	Comb15	-31.3575	-30.4477	-0.1022	-0.0341	0.1386	-40.6308
Story1	P68	Comb16	-31.3575	-30.4477	-0.1022	-0.0341	0.1386	-40.6308
Story1	P68	Comb17	-31.3575	-30.4477	-0.1022	-0.0341	0.1386	-40.6308
Story1	P68	Comb18	-31.3575	-30.4477	-0.1022	-0.0341	0.1386	-40.6308
Story1	P69	Comb3	-107.7595	-113.0557	-0.2381	-0.0007	-0.1221	-183.3347
Story1	P69	Comb4	-107.7595	-113.0557	-0.2381	-0.0007	-0.1221	-183.3347
Story1	P69	Comb5	-107.7595	-113.0557	-0.2381	-0.0007	-0.1221	-183.3347
Story1	P69	Comb6	-107.7595	-113.0557	-0.2381	-0.0007	-0.1221	-183.3347
Story1	P69	Comb7	-139.2238	-100.8869	-0.4579	-0.049	-0.3019	-161.8643
Story1	P69	Comb8	-139.2238	-100.8869	-0.4579	-0.049	-0.3019	-161.8643
Story1	P69	Comb9	-139.2238	-100.8869	-0.4579	-0.049	-0.3019	-161.8643
Story1	P69	Comb10	-127.1051	-100.6136	-0.4475	-0.0544	-0.3025	-161.829
Story1	P69	Comb11	-77.4976	-112.2609	-0.2031	-0.0169	-0.1249	-183.3589
Story1	P69	Comb12	-77.4976	-112.2609	-0.2031	-0.0169	-0.1249	-183.3589
Story1	P69	Comb13	-77.4976	-112.2609	-0.2031	-0.0169	-0.1249	-183.3589
Story1	P69	Comb14	-77.4976	-112.2609	-0.2031	-0.0169	-0.1249	-183.3589
Story1	P69	Comb15	-108.9619	-100.0921	-0.4229	-0.0652	-0.3047	-161.8885
Story1	P69	Comb16	-108.9619	-100.0921	-0.4229	-0.0652	-0.3047	-161.8885
Story1	P69	Comb17	-108.9619	-100.0921	-0.4229	-0.0652	-0.3047	-161.8885
Story1	P69	Comb18	-108.9619	-100.0921	-0.4229	-0.0652	-0.3047	-161.8885
Story1	P70	Comb3	-47.3723	-38.435	-0.6297	-0.0461	-0.0174	-50.9163
Story1	P70	Comb4	-47.3723	-38.435	-0.6297	-0.0461	-0.0174	-50.9163
Story1	P70	Comb5	-47.3723	-38.435	-0.6297	-0.0461	-0.0174	-50.9163

Story1	P70	Comb6	-47.3723	-38.435	-0.6297	-0.0461	-0.0174	-50.9163
Story1	P70	Comb7	-47.0132	-35.293	-0.6886	-0.0646	-0.019	-46.6437
Story1	P70	Comb8	-47.0132	-35.293	-0.6886	-0.0646	-0.019	-46.6437
Story1	P70	Comb9	-47.0132	-35.293	-0.6886	-0.0646	-0.019	-46.6437
Story1	P70	Comb10	-41.0177	-35.1802	-0.6146	-0.0607	-0.017	-46.5207
Story1	P70	Comb11	-29.7297	-37.8042	-0.3729	-0.0323	-0.0103	-50.2333
Story1	P70	Comb12	-29.7297	-37.8042	-0.3729	-0.0323	-0.0103	-50.2333
Story1	P70	Comb13	-29.7297	-37.8042	-0.3729	-0.0323	-0.0103	-50.2333
Story1	P70	Comb14	-29.7297	-37.8042	-0.3729	-0.0323	-0.0103	-50.2333
Story1	P70	Comb15	-29.3706	-34.6622	-0.4318	-0.0508	-0.0119	-45.9607
Story1	P70	Comb16	-29.3706	-34.6622	-0.4318	-0.0508	-0.0119	-45.9607
Story1	P70	Comb17	-29.3706	-34.6622	-0.4318	-0.0508	-0.0119	-45.9607
Story1	P70	Comb18	-29.3706	-34.6622	-0.4318	-0.0508	-0.0119	-45.9607
Story1	P71	Comb3	-43.0207	-36.6577	-0.8624	-0.0119	-0.024	-48.8797
Story1	P71	Comb4	-43.0207	-36.6577	-0.8624	-0.0119	-0.024	-48.8797
Story1	P71	Comb5	-43.0207	-36.6577	-0.8624	-0.0119	-0.024	-48.8797
Story1	P71	Comb6	-43.0207	-36.6577	-0.8624	-0.0119	-0.024	-48.8797
Story1	P71	Comb7	-43.5782	-34.1789	-0.926	-0.0273	-0.0258	-45.4944
Story1	P71	Comb8	-43.5782	-34.1789	-0.926	-0.0273	-0.0258	-45.4944
Story1	P71	Comb9	-43.5782	-34.1789	-0.926	-0.0273	-0.0258	-45.4944
Story1	P71	Comb10	-37.7577	-34.1884	-0.8242	-0.0274	-0.023	-45.5071
Story1	P71	Comb11	-26.6429	-36.8636	-0.5041	-0.0123	-0.014	-49.1313
Story1	P71	Comb12	-26.6429	-36.8636	-0.5041	-0.0123	-0.014	-49.1313
Story1	P71	Comb13	-26.6429	-36.8636	-0.5041	-0.0123	-0.014	-49.1313
Story1	P71	Comb14	-26.6429	-36.8636	-0.5041	-0.0123	-0.014	-49.1313
Story1	P71	Comb15	-27.2003	-34.3848	-0.5676	-0.0277	-0.0158	-45.746
Story1	P71	Comb16	-27.2003	-34.3848	-0.5676	-0.0277	-0.0158	-45.746
Story1	P71	Comb17	-27.2003	-34.3848	-0.5676	-0.0277	-0.0158	-45.746
Story1	P71	Comb18	-27.2003	-34.3848	-0.5676	-0.0277	-0.0158	-45.746
Story1	P72	Comb3	-51.9749	-33.4499	-0.4558	-0.0894	0.0911	-44.5505
Story1	P72	Comb4	-51.9749	-33.4499	-0.4558	-0.0894	0.0911	-44.5505
Story1	P72	Comb5	-51.9749	-33.4499	-0.4558	-0.0894	0.0911	-44.5505
Story1	P72	Comb6	-51.9749	-33.4499	-0.4558	-0.0894	0.0911	-44.5505
Story1	P72	Comb7	-52.6395	-31.6305	-0.5335	-0.0989	0.0872	-42.0669
Story1	P72	Comb8	-52.6395	-31.6305	-0.5335	-0.0989	0.0872	-42.0669
Story1	P72	Comb9	-52.6395	-31.6305	-0.5335	-0.0989	0.0872	-42.0669
Story1	P72	Comb10	-45.9462	-31.8923	-0.4847	-0.0887	0.0751	-42.3653
Story1	P72	Comb11	-31.8427	-34.1559	-0.2792	-0.0554	0.0506	-45.3716
Story1	P72	Comb12	-31.8427	-34.1559	-0.2792	-0.0554	0.0506	-45.3716
Story1	P72	Comb13	-31.8427	-34.1559	-0.2792	-0.0554	0.0506	-45.3716
Story1	P72	Comb14	-31.8427	-34.1559	-0.2792	-0.0554	0.0506	-45.3716

Story1	P72	Comb15	-32.5073	-32.3366	-0.3569	-0.0648	0.0467	-42.8881
Story1	P72	Comb16	-32.5073	-32.3366	-0.3569	-0.0648	0.0467	-42.8881
Story1	P72	Comb17	-32.5073	-32.3366	-0.3569	-0.0648	0.0467	-42.8881
Story1	P72	Comb18	-32.5073	-32.3366	-0.3569	-0.0648	0.0467	-42.8881
Story1	P73	Comb3	-82.463	-73.5986	-1.2194	0.0781	-0.0224	-108.2768
Story1	P73	Comb4	-82.463	-73.5986	-1.2194	0.0781	-0.0224	-108.2768
Story1	P73	Comb5	-82.463	-73.5986	-1.2194	0.0781	-0.0224	-108.2768
Story1	P73	Comb6	-82.463	-73.5986	-1.2194	0.0781	-0.0224	-108.2768
Story1	P73	Comb7	-83.6312	-71.1611	-1.3406	0.0566	-0.0247	-103.988
Story1	P73	Comb8	-83.6312	-71.1611	-1.3406	0.0566	-0.0247	-103.988
Story1	P73	Comb9	-83.6312	-71.1611	-1.3406	0.0566	-0.0247	-103.988
Story1	P73	Comb10	-72.9467	-71.37	-1.1989	0.0444	-0.0221	-104.1811
Story1	P73	Comb11	-51.6811	-74.7478	-0.7245	0.0332	-0.0133	-109.3967
Story1	P73	Comb12	-51.6811	-74.7478	-0.7245	0.0332	-0.0133	-109.3967
Story1	P73	Comb13	-51.6811	-74.7478	-0.7245	0.0332	-0.0133	-109.3967
Story1	P73	Comb14	-51.6811	-74.7478	-0.7245	0.0332	-0.0133	-109.3967
Story1	P73	Comb15	-52.8493	-72.3103	-0.8456	0.0117	-0.0156	-105.1078
Story1	P73	Comb16	-52.8493	-72.3103	-0.8456	0.0117	-0.0156	-105.1078
Story1	P73	Comb17	-52.8493	-72.3103	-0.8456	0.0117	-0.0156	-105.1078
Story1	P73	Comb18	-52.8493	-72.3103	-0.8456	0.0117	-0.0156	-105.1078
Story1	P74	Comb3	-74.3713	-59.3658	-0.0845	-0.0317	-0.1202	-79.6197
Story1	P74	Comb4	-74.3713	-59.3658	-0.0845	-0.0317	-0.1202	-79.6197
Story1	P74	Comb5	-74.3713	-59.3658	-0.0845	-0.0317	-0.1202	-79.6197
Story1	P74	Comb6	-74.3713	-59.3658	-0.0845	-0.0317	-0.1202	-79.6197
Story1	P74	Comb7	-102.9673	-63.1661	-0.2719	-0.0561	-0.2994	-82.5009
Story1	P74	Comb8	-102.9673	-63.1661	-0.2719	-0.0561	-0.2994	-82.5009
Story1	P74	Comb9	-102.9673	-63.1661	-0.2719	-0.0561	-0.2994	-82.5009
Story1	P74	Comb10	-95.7907	-62.85	-0.2798	-0.0544	-0.3011	-82.1826
Story1	P74	Comb11	-56.3277	-58.752	-0.107	-0.0279	-0.1256	-79.0697
Story1	P74	Comb12	-56.3277	-58.752	-0.107	-0.0279	-0.1256	-79.0697
Story1	P74	Comb13	-56.3277	-58.752	-0.107	-0.0279	-0.1256	-79.0697
Story1	P74	Comb14	-56.3277	-58.752	-0.107	-0.0279	-0.1256	-79.0697
Story1	P74	Comb15	-84.9237	-62.5523	-0.2943	-0.0523	-0.3049	-81.951
Story1	P74	Comb16	-84.9237	-62.5523	-0.2943	-0.0523	-0.3049	-81.951
Story1	P74	Comb17	-84.9237	-62.5523	-0.2943	-0.0523	-0.3049	-81.951
Story1	P74	Comb18	-84.9237	-62.5523	-0.2943	-0.0523	-0.3049	-81.951

## D.5.5 — RESISTENCIA PARA CARGA AXIAL DE COMPRESIÓN

D.5.5.1 — MÁXIMA RESISTENCIA AXIAL TEÓRICA — La máxima resistencia axial teórica del muro sometido a carga axial sin excentricidad,  $P_o$ , se obtiene por medio de la siguiente expresión:

$$P_o = 0.80f'_m (A_e - A_{st}) + A_{st}f_y \leq f'_m A_e \quad (D.5.5-1)$$

D.5.5.2 — REDUCCIÓN DE RESISTENCIA AXIAL POR ESBELTEZ — El efecto de la esbeltez del muro en la resistencia nominal para carga axial se obtiene por medio del parámetro  $R_e$ :

$$R_e = 1 - \left[ \frac{h'}{42t} \right]^2 \text{ para } h'/t \leq 30 \quad (D.5.5-2)$$

$$R_e = \left[ \frac{21t}{h'} \right]^2 \text{ para } h'/t > 30$$

D.5.5.3 — RESISTENCIA NOMINAL PARA CARGA AXIAL — La resistencia nominal para carga axial de compresión  $P_n$ , sin excentricidad y teniendo en cuenta los efectos de esbeltez, no puede ser mayor que el valor dado a continuación:

$$P_n = 0.80P_oR_e \quad (D.5.5-3)$$

Piso	Pier	Caso	Pult (kN)	L (m)	Pnd (kN)	$\phi Pnd$ (kN)	Chequeo
Story2	P01	Envolvente	6.050	0.6000	180.558	117.363	Ok
Story2	P02	Envolvente	4.095	0.4000	120.372	78.242	Ok
Story2	P03	Envolvente	8.415	0.9000	270.838	176.044	Ok
Story2	P04	Envolvente	27.080	3.6000	1083.350	704.178	Ok
Story2	P05	Envolvente	94.277	8.3000	2497.724	1623.521	Ok
Story2	P06	Envolvente	85.981	8.3000	2497.724	1623.521	Ok
Story2	P07	Envolvente	59.944	4.2000	1263.909	821.541	Ok
Story2	P08	Envolvente	41.960	3.2000	962.978	625.936	Ok
Story2	P09	Envolvente	174.369	15.6000	4694.518	3051.436	Ok
Story2	P10	Envolvente	27.812	2.4000	722.233	469.452	Ok
Story2	P11	Envolvente	18.752	1.7000	511.582	332.528	Ok
Story2	P12	Envolvente	15.615	1.5000	451.396	293.407	Ok
Story2	P13	Envolvente	5.473	0.6000	180.558	117.363	Ok
Story2	P14	Envolvente	6.032	0.5000	150.465	97.802	Ok
Story2	P15	Envolvente	92.291	7.4000	2226.887	1447.476	Ok
Story2	P16	Envolvente	89.870	7.2000	2166.700	1408.355	Ok
Story2	P17	Envolvente	29.296	2.2000	662.047	430.331	Ok
Story2	P18	Envolvente	27.409	2.1000	631.954	410.770	Ok
Story2	P19	Envolvente	51.082	5.3000	1594.932	1036.706	Ok
Story2	P20	Envolvente	58.186	5.3000	1594.932	1036.706	Ok
Story2	P21	Envolvente	20.729	2.4000	722.233	469.452	Ok
Story2	P22	Envolvente	27.811	1.9000	571.768	371.649	Ok
Story2	P23	Envolvente	30.143	2.3000	692.140	449.891	Ok
Story2	P24	Envolvente	19.243	2.0000	601.861	391.210	Ok
Story2	P25	Envolvente	9.735	1.1000	331.024	215.165	Ok

Story2	P26	Envolvente	35.489	2.4000	722.233	469.452	Ok
Story2	P27	Envolvente	7.770	0.7000	210.651	136.923	Ok
Story2	P28	Envolvente	6.814	0.5000	150.465	97.802	Ok
Story2	P29	Envolvente	13.823	1.2000	361.117	234.726	Ok
Story2	P30	Envolvente	18.501	1.5000	451.396	293.407	Ok
Story2	P31	Envolvente	20.332	1.9000	571.768	371.649	Ok
Story2	P32	Envolvente	10.302	0.9000	270.838	176.044	Ok
Story2	P33	Envolvente	8.345	0.8000	240.744	156.484	Ok
Story2	P34	Envolvente	13.805	1.2000	361.117	234.726	Ok
Story2	P35	Envolvente	8.560	0.6000	180.558	117.363	Ok
Story2	P36	Envolvente	14.311	0.9000	270.838	176.044	Ok
Story2	P37	Envolvente	9.613	1.0000	300.931	195.605	Ok
Story2	P38	Envolvente	12.769	0.9000	270.838	176.044	Ok
Story2	P39	Envolvente	35.797	2.5000	752.327	489.012	Ok
Story2	P40	Envolvente	10.410	0.9000	270.838	176.044	Ok
Story2	P41	Envolvente	11.199	0.9000	270.838	176.044	Ok
Story2	P42	Envolvente	13.448	0.9000	270.838	176.044	Ok
Story2	P43	Envolvente	20.497	1.0000	300.931	195.605	Ok
Story2	P44	Envolvente	8.736	0.7000	210.651	136.923	Ok
Story2	P45	Envolvente	36.411	3.5000	1053.257	684.617	Ok
Story2	P46	Envolvente	126.847	11.1000	3340.330	2171.214	Ok
Story2	P47	Envolvente	62.792	5.1000	1534.746	997.585	Ok
Story2	P48	Envolvente	45.766	3.3000	993.071	645.496	Ok
Story2	P49	Envolvente	14.811	1.3000	391.210	254.286	Ok
Story2	P50	Envolvente	14.070	1.1000	331.024	215.165	Ok
Story2	P51	Envolvente	88.645	5.1000	1534.746	997.585	Ok
Story2	P52	Envolvente	20.421	1.3000	391.210	254.286	Ok
Story2	P53	Envolvente	38.747	2.8000	842.606	547.694	Ok
Story2	P54	Envolvente	11.249	1.0000	300.931	195.605	Ok
Story2	P55	Envolvente	13.781	0.8000	240.744	156.484	Ok
Story2	P56	Envolvente	58.143	5.2000	1564.839	1017.145	Ok
Story2	P57	Envolvente	30.874	2.7000	812.513	528.133	Ok
Story2	P58	Envolvente	7.731	0.7000	210.651	136.923	Ok
Story2	P59	Envolvente	64.245	5.1000	1534.746	997.585	Ok
Story2	P60	Envolvente	51.758	3.3000	993.071	645.496	Ok
Story2	P61	Envolvente	15.048	1.3000	391.210	254.286	Ok
Story2	P62	Envolvente	15.466	1.1000	331.024	215.165	Ok
Story2	P63	Envolvente	21.911	2.0000	601.861	391.210	Ok
Story2	P64	Envolvente	40.184	2.1000	631.954	410.770	Ok
Story2	P65	Envolvente	23.422	1.8000	541.675	352.089	Ok
Story2	P66	Envolvente	13.153	0.9000	270.838	176.044	Ok
Story2	P67	Envolvente	9.365	0.9000	270.838	176.044	Ok
Story2	P68	Envolvente	12.423	0.9000	270.838	176.044	Ok

Story2	P69	Envolvente	37.234	2.5000	752.327	489.012	Ok
Story2	P70	Envolvente	12.089	0.9000	270.838	176.044	Ok
Story2	P71	Envolvente	9.902	0.9000	270.838	176.044	Ok
Story2	P72	Envolvente	11.878	0.9000	270.838	176.044	Ok
Story2	P73	Envolvente	22.668	1.7000	511.582	332.528	Ok
Story2	P74	Envolvente	16.769	1.2000	361.117	234.726	Ok
Story1	P01	Envolvente	27.482	0.6000	180.558	117.363	Ok
Story1	P02	Envolvente	10.311	0.4000	120.372	78.242	Ok
Story1	P03	Envolvente	24.048	0.9000	270.838	176.044	Ok
Story1	P04	Envolvente	78.447	3.6000	1083.350	704.178	Ok
Story1	P05	Envolvente	335.591	8.3000	2497.724	1623.521	Ok
Story1	P06	Envolvente	321.219	8.3000	2497.724	1623.521	Ok
Story1	P07	Envolvente	166.153	4.2000	1263.909	821.541	Ok
Story1	P08	Envolvente	121.560	3.2000	962.978	625.936	Ok
Story1	P09	Envolvente	469.254	15.6000	4694.518	3051.436	Ok
Story1	P10	Envolvente	94.677	2.4000	722.233	469.452	Ok
Story1	P11	Envolvente	66.270	1.7000	511.582	332.528	Ok
Story1	P12	Envolvente	46.421	1.5000	451.396	293.407	Ok
Story1	P13	Envolvente	21.009	0.6000	180.558	117.363	Ok
Story1	P14	Envolvente	20.510	0.5000	150.465	97.802	Ok
Story1	P15	Envolvente	300.770	7.4000	2226.887	1447.476	Ok
Story1	P16	Envolvente	303.313	7.2000	2166.700	1408.355	Ok
Story1	P17	Envolvente	135.657	2.2000	662.047	430.331	Ok
Story1	P18	Envolvente	119.569	2.1000	631.954	410.770	Ok
Story1	P19	Envolvente	197.265	5.3000	1594.932	1036.706	Ok
Story1	P20	Envolvente	230.231	5.3000	1594.932	1036.706	Ok
Story1	P21	Envolvente	136.090	2.4000	722.233	469.452	Ok
Story1	P22	Envolvente	119.090	1.9000	571.768	371.649	Ok
Story1	P23	Envolvente	144.319	2.3000	692.140	449.891	Ok
Story1	P24	Envolvente	126.886	2.0000	601.861	391.210	Ok
Story1	P25	Envolvente	50.044	1.1000	331.024	215.165	Ok
Story1	P26	Envolvente	127.365	2.4000	722.233	469.452	Ok
Story1	P27	Envolvente	37.087	0.7000	210.651	136.923	Ok
Story1	P28	Envolvente	23.455	0.5000	150.465	97.802	Ok
Story1	P29	Envolvente	61.593	1.2000	361.117	234.726	Ok
Story1	P30	Envolvente	69.611	1.5000	451.396	293.407	Ok
Story1	P31	Envolvente	105.633	1.9000	571.768	371.649	Ok
Story1	P32	Envolvente	46.257	0.9000	270.838	176.044	Ok
Story1	P33	Envolvente	50.360	0.8000	240.744	156.484	Ok
Story1	P34	Envolvente	57.135	1.2000	361.117	234.726	Ok
Story1	P35	Envolvente	33.047	0.6000	180.558	117.363	Ok
Story1	P36	Envolvente	49.011	0.9000	270.838	176.044	Ok
Story1	P37	Envolvente	52.174	1.0000	300.931	195.605	Ok

Story1	P38	Envolvente	52.848	0.9000	270.838	176.044	Ok
Story1	P39	Envolvente	135.638	2.5000	752.327	489.012	Ok
Story1	P40	Envolvente	55.242	0.9000	270.838	176.044	Ok
Story1	P41	Envolvente	47.644	0.9000	270.838	176.044	Ok
Story1	P42	Envolvente	51.124	0.9000	270.838	176.044	Ok
Story1	P43	Envolvente	54.831	1.0000	300.931	195.605	Ok
Story1	P44	Envolvente	60.848	0.7000	210.651	136.923	Ok
Story1	P45	Envolvente	118.311	3.5000	1053.257	684.617	Ok
Story1	P46	Envolvente	474.560	11.1000	3340.330	2171.214	Ok
Story1	P47	Envolvente	195.340	5.1000	1534.746	997.585	Ok
Story1	P48	Envolvente	150.306	3.3000	993.071	645.496	Ok
Story1	P49	Envolvente	44.708	1.3000	391.210	254.286	Ok
Story1	P50	Envolvente	43.181	1.1000	331.024	215.165	Ok
Story1	P51	Envolvente	297.080	5.1000	1534.746	997.585	Ok
Story1	P52	Envolvente	63.164	1.3000	391.210	254.286	Ok
Story1	P53	Envolvente	109.938	2.8000	842.606	547.694	Ok
Story1	P54	Envolvente	34.125	1.0000	300.931	195.605	Ok
Story1	P55	Envolvente	36.448	0.8000	240.744	156.484	Ok
Story1	P56	Envolvente	169.004	5.2000	1564.839	1017.145	Ok
Story1	P57	Envolvente	78.284	2.7000	812.513	528.133	Ok
Story1	P58	Envolvente	22.488	0.7000	210.651	136.923	Ok
Story1	P59	Envolvente	198.074	5.1000	1534.746	997.585	Ok
Story1	P60	Envolvente	150.993	3.3000	993.071	645.496	Ok
Story1	P61	Envolvente	47.893	1.3000	391.210	254.286	Ok
Story1	P62	Envolvente	44.617	1.1000	331.024	215.165	Ok
Story1	P63	Envolvente	76.355	2.0000	601.861	391.210	Ok
Story1	P64	Envolvente	160.972	2.1000	631.954	410.770	Ok
Story1	P65	Envolvente	103.863	1.8000	541.675	352.089	Ok
Story1	P66	Envolvente	43.939	0.9000	270.838	176.044	Ok
Story1	P67	Envolvente	49.262	0.9000	270.838	176.044	Ok
Story1	P68	Envolvente	52.064	0.9000	270.838	176.044	Ok
Story1	P69	Envolvente	139.224	2.5000	752.327	489.012	Ok
Story1	P70	Envolvente	49.812	0.9000	270.838	176.044	Ok
Story1	P71	Envolvente	47.158	0.9000	270.838	176.044	Ok
Story1	P72	Envolvente	56.307	0.9000	270.838	176.044	Ok
Story1	P73	Envolvente	87.715	1.7000	511.582	332.528	Ok
Story1	P74	Envolvente	102.967	1.2000	361.117	234.726	Ok

Chequeo resistencia a la flexión columnetas:

$$P_{uc} = \frac{A_{ci}}{A_{ct}} P_u + \Delta P_{ui} \quad (\text{D.10.7-5})$$

$$P_{ut} = \frac{A_{ci}}{A_{ct}} P_u - \Delta P_{ui} \leq 0 \quad (\text{D.10.7-6})$$

Donde  $P_u$  y  $\Delta P_{ui}$  son siempre positivas, y  $\Delta P_{ui}$  se obtiene por medio de la siguiente ecuación:

$$\Delta P_{ui} = \left| \frac{M_u A_{ci} (x_i - \bar{x})}{I_{ct}} \right| \quad (\text{D.10.7-7})$$

En las ecuaciones anteriores,

$$A_{ct} = \sum_i A_{ci} \quad (\text{D.10.7-8})$$

$$\bar{x} = \frac{\sum_i A_{ci} x_i}{A_{ct}} \quad (\text{D.10.7-9})$$

$$I_{ct} = \sum_i A_{ci} (x_i - \bar{x})^2 \quad (\text{D.10.7-10})$$

En cada una de las columnas de confinamiento del muro deben cumplirse las condiciones siguientes:

$$P_{uc} \leq \phi P_{nc} \quad (\text{D.10.7-11})$$

$$P_{ut} \geq \phi P_{nt} \quad (\text{D.10.7-12})$$

Cuando se trata de un muro confinado que únicamente tiene dos columnas de confinamiento iguales en sus bordes, las ecuaciones (D.10.7-5) a (D.10.7-7) se simplifican a:

$$P_{uc} = \frac{P_u}{2} + \Delta P_u \quad (\text{D.10.7-13})$$

$$P_{ut} = \frac{P_u}{2} - \Delta P_u \leq 0 \quad (\text{D.10.7-14})$$

Donde  $P_u$  y  $\Delta P_u$  son siempre positivas, y  $\Delta P_u$  se obtiene por medio de la siguiente ecuación:

$$\Delta P_u = \frac{M_u}{\ell_w} \quad (\text{D.10.7-15})$$

Piso	Pier	Caso	M2 (kN-m)	Chequeo
Story2	P01	Envolvente	0.05	Ok
Story2	P02	Envolvente	0.19	Ok
Story2	P03	Envolvente	0.71	Ok
Story2	P04	Envolvente	0.27	Ok
Story2	P05	Envolvente	3.62	Ok
Story2	P06	Envolvente	4.39	Ok

Story2	P07	Envolvente	1.43	<i>Ok</i>
Story2	P08	Envolvente	0.28	<i>Ok</i>
Story2	P09	Envolvente	1.41	<i>Ok</i>
Story2	P10	Envolvente	0.30	<i>Ok</i>
Story2	P11	Envolvente	0.08	<i>Ok</i>
Story2	P12	Envolvente	0.03	<i>Ok</i>
Story2	P13	Envolvente	0.06	<i>Ok</i>
Story2	P14	Envolvente	0.09	<i>Ok</i>
Story2	P15	Envolvente	0.86	<i>Ok</i>
Story2	P16	Envolvente	0.62	<i>Ok</i>
Story2	P17	Envolvente	1.49	<i>Ok</i>
Story2	P18	Envolvente	0.34	<i>Ok</i>
Story2	P19	Envolvente	0.15	<i>Ok</i>
Story2	P20	Envolvente	3.85	<i>Ok</i>
Story2	P21	Envolvente	0.98	<i>Ok</i>
Story2	P22	Envolvente	1.02	<i>Ok</i>
Story2	P23	Envolvente	0.33	<i>Ok</i>
Story2	P24	Envolvente	0.60	<i>Ok</i>
Story2	P25	Envolvente	0.22	<i>Ok</i>
Story2	P26	Envolvente	0.71	<i>Ok</i>
Story2	P27	Envolvente	0.01	<i>Ok</i>
Story2	P28	Envolvente	0.21	<i>Ok</i>
Story2	P29	Envolvente	0.28	<i>Ok</i>
Story2	P30	Envolvente	0.31	<i>Ok</i>
Story2	P31	Envolvente	0.49	<i>Ok</i>
Story2	P32	Envolvente	1.01	<i>Ok</i>
Story2	P33	Envolvente	0.71	<i>Ok</i>
Story2	P34	Envolvente	0.54	<i>Ok</i>
Story2	P35	Envolvente	0.08	<i>Ok</i>
Story2	P36	Envolvente	0.04	<i>Ok</i>
Story2	P37	Envolvente	1.07	<i>Ok</i>
Story2	P38	Envolvente	0.66	<i>Ok</i>
Story2	P39	Envolvente	0.05	<i>Ok</i>
Story2	P40	Envolvente	0.16	<i>Ok</i>
Story2	P41	Envolvente	0.91	<i>Ok</i>
Story2	P42	Envolvente	0.07	<i>Ok</i>
Story2	P43	Envolvente	0.29	<i>Ok</i>
Story2	P44	Envolvente	0.61	<i>Ok</i>
Story2	P45	Envolvente	0.43	<i>Ok</i>
Story2	P46	Envolvente	4.46	<i>Ok</i>
Story2	P47	Envolvente	4.98	<i>Ok</i>
Story2	P48	Envolvente	6.41	<i>Ok</i>
Story2	P49	Envolvente	6.02	<i>Ok</i>

Story2	P50	Envolvente	6.20	<i>Ok</i>
Story2	P51	Envolvente	5.61	<i>Ok</i>
Story2	P52	Envolvente	0.54	<i>Ok</i>
Story2	P53	Envolvente	4.59	<i>Ok</i>
Story2	P54	Envolvente	4.18	<i>Ok</i>
Story2	P55	Envolvente	1.43	<i>Ok</i>
Story2	P56	Envolvente	5.00	<i>Ok</i>
Story2	P57	Envolvente	5.37	<i>Ok</i>
Story2	P58	Envolvente	1.41	<i>Ok</i>
Story2	P59	Envolvente	3.05	<i>Ok</i>
Story2	P60	Envolvente	2.85	<i>Ok</i>
Story2	P61	Envolvente	3.38	<i>Ok</i>
Story2	P62	Envolvente	3.76	<i>Ok</i>
Story2	P63	Envolvente	5.82	<i>Ok</i>
Story2	P64	Envolvente	2.32	<i>Ok</i>
Story2	P65	Envolvente	0.06	<i>Ok</i>
Story2	P66	Envolvente	1.33	<i>Ok</i>
Story2	P67	Envolvente	2.27	<i>Ok</i>
Story2	P68	Envolvente	1.16	<i>Ok</i>
Story2	P69	Envolvente	0.98	<i>Ok</i>
Story2	P70	Envolvente	2.51	<i>Ok</i>
Story2	P71	Envolvente	2.97	<i>Ok</i>
Story2	P72	Envolvente	2.16	<i>Ok</i>
Story2	P73	Envolvente	4.56	<i>Ok</i>
Story2	P74	Envolvente	0.39	<i>Ok</i>
Story1	P01	Envolvente	0.06	<i>Ok</i>
Story1	P02	Envolvente	0.00	<i>Ok</i>
Story1	P03	Envolvente	0.01	<i>Ok</i>
Story1	P04	Envolvente	0.10	<i>Ok</i>
Story1	P05	Envolvente	0.27	<i>Ok</i>
Story1	P06	Envolvente	0.37	<i>Ok</i>
Story1	P07	Envolvente	0.15	<i>Ok</i>
Story1	P08	Envolvente	0.19	<i>Ok</i>
Story1	P09	Envolvente	0.85	<i>Ok</i>
Story1	P10	Envolvente	0.00	<i>Ok</i>
Story1	P11	Envolvente	0.00	<i>Ok</i>
Story1	P12	Envolvente	0.00	<i>Ok</i>
Story1	P13	Envolvente	0.00	<i>Ok</i>
Story1	P14	Envolvente	0.00	<i>Ok</i>
Story1	P15	Envolvente	0.33	<i>Ok</i>
Story1	P16	Envolvente	0.34	<i>Ok</i>
Story1	P17	Envolvente	0.27	<i>Ok</i>
Story1	P18	Envolvente	0.17	<i>Ok</i>

Story1	P19	Envolvente	0.49	<i>Ok</i>
Story1	P20	Envolvente	0.26	<i>Ok</i>
Story1	P21	Envolvente	0.07	<i>Ok</i>
Story1	P22	Envolvente	0.23	<i>Ok</i>
Story1	P23	Envolvente	0.21	<i>Ok</i>
Story1	P24	Envolvente	0.03	<i>Ok</i>
Story1	P25	Envolvente	0.18	<i>Ok</i>
Story1	P26	Envolvente	0.34	<i>Ok</i>
Story1	P27	Envolvente	0.09	<i>Ok</i>
Story1	P28	Envolvente	0.00	<i>Ok</i>
Story1	P29	Envolvente	0.13	<i>Ok</i>
Story1	P30	Envolvente	0.18	<i>Ok</i>
Story1	P31	Envolvente	0.34	<i>Ok</i>
Story1	P32	Envolvente	0.01	<i>Ok</i>
Story1	P33	Envolvente	0.00	<i>Ok</i>
Story1	P34	Envolvente	0.00	<i>Ok</i>
Story1	P35	Envolvente	0.06	<i>Ok</i>
Story1	P36	Envolvente	0.24	<i>Ok</i>
Story1	P37	Envolvente	0.01	<i>Ok</i>
Story1	P38	Envolvente	0.00	<i>Ok</i>
Story1	P39	Envolvente	0.31	<i>Ok</i>
Story1	P40	Envolvente	0.32	<i>Ok</i>
Story1	P41	Envolvente	0.01	<i>Ok</i>
Story1	P42	Envolvente	0.04	<i>Ok</i>
Story1	P43	Envolvente	0.01	<i>Ok</i>
Story1	P44	Envolvente	0.45	<i>Ok</i>
Story1	P45	Envolvente	0.32	<i>Ok</i>
Story1	P46	Envolvente	0.36	<i>Ok</i>
Story1	P47	Envolvente	0.28	<i>Ok</i>
Story1	P48	Envolvente	0.33	<i>Ok</i>
Story1	P49	Envolvente	0.04	<i>Ok</i>
Story1	P50	Envolvente	0.05	<i>Ok</i>
Story1	P51	Envolvente	0.88	<i>Ok</i>
Story1	P52	Envolvente	0.16	<i>Ok</i>
Story1	P53	Envolvente	0.42	<i>Ok</i>
Story1	P54	Envolvente	0.03	<i>Ok</i>
Story1	P55	Envolvente	0.13	<i>Ok</i>
Story1	P56	Envolvente	0.33	<i>Ok</i>
Story1	P57	Envolvente	0.00	<i>Ok</i>
Story1	P58	Envolvente	0.01	<i>Ok</i>
Story1	P59	Envolvente	0.03	<i>Ok</i>
Story1	P60	Envolvente	0.27	<i>Ok</i>
Story1	P61	Envolvente	0.02	<i>Ok</i>

Story1	P62	Envolvente	0.03	Ok
Story1	P63	Envolvente	0.03	Ok
Story1	P64	Envolvente	0.30	Ok
Story1	P65	Envolvente	0.11	Ok
Story1	P66	Envolvente	0.01	Ok
Story1	P67	Envolvente	0.02	Ok
Story1	P68	Envolvente	0.14	Ok
Story1	P69	Envolvente	0.30	Ok
Story1	P70	Envolvente	0.02	Ok
Story1	P71	Envolvente	0.03	Ok
Story1	P72	Envolvente	0.05	Ok
Story1	P73	Envolvente	0.02	Ok
Story1	P74	Envolvente	0.30	Ok

Chequeo resistencia a la cortante en plano perpendicular al muro:

**D.5.7.4 — RESISTENCIA A CORTANTE EN LA DIRECCIÓN PERPENDICULAR AL PLANO DEL MURO** — Se debe cumplir la siguiente condición con respecto a la fuerza cortante que actúa en la dirección perpendicular al plano del muro:

$$V_u \leq \phi V_n \quad (\text{D.5.7-6})$$

donde:

$$V_n = \frac{1}{6} A_{mv} \sqrt{f'_m} \quad (\text{D.5.7-7})$$

donde  $A_{mv}$  está definido en D.5.4.5.1 y el valor del coeficiente de reducción de resistencia,  $\phi$ , está dado en D.5.1.5.1.

**D.10.7.2 — VALORES DE  $\phi$**  — En vez de los valores de  $\phi$  dados en D.5.1.5, deben emplearse los siguientes:

- (a) Carga axial de compresión, con o sin flexión .....  $\phi = 0.65$
- (b) Carga axial de tracción .....  $\phi = 0.85$
- (c) Flexión sin carga axial .....  $\phi = 0.85$
- (d) Cortante .....  $\phi = 0.50$

Piso	Pier	Caso	V3 (kN)	L (m)	Vn (kN)	$\phi V_n$ (kN)	Chequeo
Story2	P01	Envolvente	0.0208	0.6	48.88	24.44	Ok
Story2	P02	Envolvente	0.1149	0.4	32.58	16.29	Ok
Story2	P03	Envolvente	0.4097	0.9	73.31	36.66	Ok
Story2	P04	Envolvente	0.1561	3.6	293.25	146.63	Ok
Story2	P05	Envolvente	1.7626	8.3	676.11	338.05	Ok
Story2	P06	Envolvente	6.1765	8.3	676.11	338.05	Ok
Story2	P07	Envolvente	0.7284	4.2	342.13	171.06	Ok
Story2	P08	Envolvente	0.1919	3.2	260.67	130.33	Ok
Story2	P09	Envolvente	0.9076	15.6	1270.76	635.38	Ok

Story2	P10	Envolvente	0.2065	2.4	195.50	97.75	Ok
Story2	P11	Envolvente	0.0547	1.7	138.48	69.24	Ok
Story2	P12	Envolvente	0.0422	1.5	122.19	61.09	Ok
Story2	P13	Envolvente	0.0165	0.6	48.88	24.44	Ok
Story2	P14	Envolvente	0.0263	0.5	40.73	20.36	Ok
Story2	P15	Envolvente	0.0746	7.4	602.79	301.40	Ok
Story2	P16	Envolvente	0.1489	7.2	586.50	293.25	Ok
Story2	P17	Envolvente	0.7306	2.2	179.21	89.60	Ok
Story2	P18	Envolvente	0.1434	2.1	171.06	85.53	Ok
Story2	P19	Envolvente	0.129	5.3	431.73	215.87	Ok
Story2	P20	Envolvente	2.0534	5.3	431.73	215.87	Ok
Story2	P21	Envolvente	0.4163	2.4	195.50	97.75	Ok
Story2	P22	Envolvente	0.507	1.9	154.77	77.39	Ok
Story2	P23	Envolvente	0.2553	2.3	187.36	93.68	Ok
Story2	P24	Envolvente	0.28	2	162.92	81.46	Ok
Story2	P25	Envolvente	0.088	1.1	89.60	44.80	Ok
Story2	P26	Envolvente	0.2082	2.4	195.50	97.75	Ok
Story2	P27	Envolvente	0.0706	0.7	57.02	28.51	Ok
Story2	P28	Envolvente	0.1754	0.5	40.73	20.36	Ok
Story2	P29	Envolvente	0.1183	1.2	97.75	48.88	Ok
Story2	P30	Envolvente	0.1468	1.5	122.19	61.09	Ok
Story2	P31	Envolvente	0.4294	1.9	154.77	77.39	Ok
Story2	P32	Envolvente	0.6188	0.9	73.31	36.66	Ok
Story2	P33	Envolvente	0.4801	0.8	65.17	32.58	Ok
Story2	P34	Envolvente	0.4047	1.2	97.75	48.88	Ok
Story2	P35	Envolvente	0.0446	0.6	48.88	24.44	Ok
Story2	P36	Envolvente	0.137	0.9	73.31	36.66	Ok
Story2	P37	Envolvente	0.6237	1	81.46	40.73	Ok
Story2	P38	Envolvente	0.457	0.9	73.31	36.66	Ok
Story2	P39	Envolvente	0.0759	2.5	203.65	101.82	Ok
Story2	P40	Envolvente	0.1559	0.9	73.31	36.66	Ok
Story2	P41	Envolvente	0.5503	0.9	73.31	36.66	Ok
Story2	P42	Envolvente	0.1116	0.9	73.31	36.66	Ok
Story2	P43	Envolvente	0.0811	1	81.46	40.73	Ok
Story2	P44	Envolvente	0.3168	0.7	57.02	28.51	Ok
Story2	P45	Envolvente	0.2926	3.5	285.11	142.55	Ok
Story2	P46	Envolvente	11.5102	11.1	904.19	452.10	Ok
Story2	P47	Envolvente	11.863	5.1	415.44	207.72	Ok
Story2	P48	Envolvente	4.3917	3.3	268.81	134.41	Ok
Story2	P49	Envolvente	3.4803	1.3	105.90	52.95	Ok
Story2	P50	Envolvente	3.715	1.1	89.60	44.80	Ok
Story2	P51	Envolvente	4.6618	5.1	415.44	207.72	Ok
Story2	P52	Envolvente	0.328	1.3	105.90	52.95	Ok

Story2	P53	Envolvente	3.7994	2.8	228.08	114.04	Ok
Story2	P54	Envolvente	2.6006	1	81.46	40.73	Ok
Story2	P55	Envolvente	1.3361	0.8	65.17	32.58	Ok
Story2	P56	Envolvente	3.5299	5.2	423.59	211.79	Ok
Story2	P57	Envolvente	3.9461	2.7	219.94	109.97	Ok
Story2	P58	Envolvente	1.084	0.7	57.02	28.51	Ok
Story2	P59	Envolvente	5.1647	5.1	415.44	207.72	Ok
Story2	P60	Envolvente	1.8026	3.3	268.81	134.41	Ok
Story2	P61	Envolvente	1.7689	1.3	105.90	52.95	Ok
Story2	P62	Envolvente	1.9922	1.1	89.60	44.80	Ok
Story2	P63	Envolvente	2.9295	2	162.92	81.46	Ok
Story2	P64	Envolvente	1.4829	2.1	171.06	85.53	Ok
Story2	P65	Envolvente	0.0828	1.8	146.63	73.31	Ok
Story2	P66	Envolvente	1.0898	0.9	73.31	36.66	Ok
Story2	P67	Envolvente	1.3837	0.9	73.31	36.66	Ok
Story2	P68	Envolvente	0.9258	0.9	73.31	36.66	Ok
Story2	P69	Envolvente	0.9254	2.5	203.65	101.82	Ok
Story2	P70	Envolvente	1.6568	0.9	73.31	36.66	Ok
Story2	P71	Envolvente	1.6921	0.9	73.31	36.66	Ok
Story2	P72	Envolvente	1.5283	0.9	73.31	36.66	Ok
Story2	P73	Envolvente	2.8675	1.7	138.48	69.24	Ok
Story2	P74	Envolvente	0.4193	1.2	97.75	48.88	Ok
Story1	P01	Envolvente	0.013	0.6	48.88	24.44	Ok
Story1	P02	Envolvente	0.0587	0.4	32.58	16.29	Ok
Story1	P03	Envolvente	0.2152	0.9	73.31	36.66	Ok
Story1	P04	Envolvente	0.0069	3.6	293.25	146.63	Ok
Story1	P05	Envolvente	1.0524	8.3	676.11	338.05	Ok
Story1	P06	Envolvente	4.8582	8.3	676.11	338.05	Ok
Story1	P07	Envolvente	0.3098	4.2	342.13	171.06	Ok
Story1	P08	Envolvente	0.2343	3.2	260.67	130.33	Ok
Story1	P09	Envolvente	1.2875	15.6	1270.76	635.38	Ok
Story1	P10	Envolvente	0.1299	2.4	195.50	97.75	Ok
Story1	P11	Envolvente	0.0224	1.7	138.48	69.24	Ok
Story1	P12	Envolvente	0.0371	1.5	122.19	61.09	Ok
Story1	P13	Envolvente	0.0394	0.6	48.88	24.44	Ok
Story1	P14	Envolvente	0.0532	0.5	40.73	20.36	Ok
Story1	P15	Envolvente	0.1057	7.4	602.79	301.40	Ok
Story1	P16	Envolvente	0.0982	7.2	586.50	293.25	Ok
Story1	P17	Envolvente	0.6634	2.2	179.21	89.60	Ok
Story1	P18	Envolvente	0.0765	2.1	171.06	85.53	Ok
Story1	P19	Envolvente	0.4368	5.3	431.73	215.87	Ok
Story1	P20	Envolvente	1.5788	5.3	431.73	215.87	Ok
Story1	P21	Envolvente	0.3756	2.4	195.50	97.75	Ok

Story1	P22	Envolvente	0.4279	1.9	154.77	77.39	Ok
Story1	P23	Envolvente	0.2405	2.3	187.36	93.68	Ok
Story1	P24	Envolvente	0.1891	2	162.92	81.46	Ok
Story1	P25	Envolvente	0.2207	1.1	89.60	44.80	Ok
Story1	P26	Envolvente	0.6178	2.4	195.50	97.75	Ok
Story1	P27	Envolvente	0.0979	0.7	57.02	28.51	Ok
Story1	P28	Envolvente	0.0175	0.5	40.73	20.36	Ok
Story1	P29	Envolvente	0.2281	1.2	97.75	48.88	Ok
Story1	P30	Envolvente	0.2619	1.5	122.19	61.09	Ok
Story1	P31	Envolvente	0.0914	1.9	154.77	77.39	Ok
Story1	P32	Envolvente	0.2702	0.9	73.31	36.66	Ok
Story1	P33	Envolvente	0.1574	0.8	65.17	32.58	Ok
Story1	P34	Envolvente	0.0758	1.2	97.75	48.88	Ok
Story1	P35	Envolvente	0.0813	0.6	48.88	24.44	Ok
Story1	P36	Envolvente	0.2114	0.9	73.31	36.66	Ok
Story1	P37	Envolvente	0.3117	1	81.46	40.73	Ok
Story1	P38	Envolvente	0.1498	0.9	73.31	36.66	Ok
Story1	P39	Envolvente	0.2926	2.5	203.65	101.82	Ok
Story1	P40	Envolvente	0.1109	0.9	73.31	36.66	Ok
Story1	P41	Envolvente	0.2439	0.9	73.31	36.66	Ok
Story1	P42	Envolvente	0.0706	0.9	73.31	36.66	Ok
Story1	P43	Envolvente	0.2973	1	81.46	40.73	Ok
Story1	P44	Envolvente	0.5127	0.7	57.02	28.51	Ok
Story1	P45	Envolvente	0.3692	3.5	285.11	142.55	Ok
Story1	P46	Envolvente	5.0673	11.1	904.19	452.10	Ok
Story1	P47	Envolvente	6.0745	5.1	415.44	207.72	Ok
Story1	P48	Envolvente	1.786	3.3	268.81	134.41	Ok
Story1	P49	Envolvente	1.8812	1.3	105.90	52.95	Ok
Story1	P50	Envolvente	1.8745	1.1	89.60	44.80	Ok
Story1	P51	Envolvente	1.6798	5.1	415.44	207.72	Ok
Story1	P52	Envolvente	0.2524	1.3	105.90	52.95	Ok
Story1	P53	Envolvente	1.1016	2.8	228.08	114.04	Ok
Story1	P54	Envolvente	1.2137	1	81.46	40.73	Ok
Story1	P55	Envolvente	0.2609	0.8	65.17	32.58	Ok
Story1	P56	Envolvente	1.4669	5.2	423.59	211.79	Ok
Story1	P57	Envolvente	1.2209	2.7	219.94	109.97	Ok
Story1	P58	Envolvente	0.2991	0.7	57.02	28.51	Ok
Story1	P59	Envolvente	2.7298	5.1	415.44	207.72	Ok
Story1	P60	Envolvente	0.4802	3.3	268.81	134.41	Ok
Story1	P61	Envolvente	1.0878	1.3	105.90	52.95	Ok
Story1	P62	Envolvente	1.2109	1.1	89.60	44.80	Ok
Story1	P63	Envolvente	1.9431	2	162.92	81.46	Ok
Story1	P64	Envolvente	0.3533	2.1	171.06	85.53	Ok

Story1	P65	Envolvente	0.1003	1.8	146.63	73.31	Ok
Story1	P66	Envolvente	0.2653	0.9	73.31	36.66	Ok
Story1	P67	Envolvente	0.6702	0.9	73.31	36.66	Ok
Story1	P68	Envolvente	0.1204	0.9	73.31	36.66	Ok
Story1	P69	Envolvente	0.4579	2.5	203.65	101.82	Ok
Story1	P70	Envolvente	0.6886	0.9	73.31	36.66	Ok
Story1	P71	Envolvente	0.9396	0.9	73.31	36.66	Ok
Story1	P72	Envolvente	0.5335	0.9	73.31	36.66	Ok
Story1	P73	Envolvente	1.3406	1.7	138.48	69.24	Ok
Story1	P74	Envolvente	0.2943	1.2	97.75	48.88	Ok

Chequeo resistencia a la cortante en plano paralelo al muro:

**D.10.7.7 — DISEÑO A CORTANTE DEL MURO EN LA DIRECCIÓN PARALELA A SU PLANO** — En la mampostería de muros confinados toda la fuerza cortante sobre el muro debe ser resistida por la mampostería, y se supone que no hay contribución a la resistencia a cortante por parte de los elementos de confinamiento. La resistencia de diseño solicitada,  $V_u$ , debe cumplir la siguiente condición:

$$V_u \leq \phi V_n \quad (\text{D.10.7-17})$$

y la resistencia nominal a cortante por tracción diagonal, se obtiene de:

$$V_n = \left( \frac{1}{12} \sqrt{f'_m} + \frac{P_u}{3A_c} \right) A_{mv} \leq \frac{1}{6} \sqrt{f'_m} A_{mv} \quad (\text{D.10.7-18})$$

donde  $P_u$ , en este caso, es la carga axial mayorada que actúa simultáneamente con la máxima fuerza cortante mayorada solicitada,  $V_u$ , para la cual se realiza el diseño.

Piso	Pier	Caso	P (kN)	V2 (kN)	Vn (kN)	$\phi V_n$ (kN)	ISE	Chequeo
Story2	P01	Comb3	5.930	8.603	18.388	9.194	0.468	Ok
Story2	P01	Comb4	5.930	8.603	18.388	9.194	0.468	Ok
Story2	P01	Comb5	5.930	8.603	18.388	9.194	0.468	Ok
Story2	P01	Comb6	5.930	8.603	18.388	9.194	0.468	Ok
Story2	P01	Comb7	6.050	8.329	18.348	9.174	0.454	Ok
Story2	P01	Comb8	6.050	8.329	18.348	9.174	0.454	Ok
Story2	P01	Comb9	6.050	8.329	18.348	9.174	0.454	Ok
Story2	P01	Comb10	5.212	8.120	18.627	9.314	0.436	Ok
Story2	P01	Comb11	4.887	9.211	18.736	9.368	0.492	Ok
Story2	P01	Comb12	4.887	9.211	18.736	9.368	0.492	Ok
Story2	P01	Comb13	4.887	9.211	18.736	9.368	0.492	Ok
Story2	P01	Comb14	4.887	9.211	18.736	9.368	0.492	Ok
Story2	P01	Comb15	5.007	8.937	18.696	9.348	0.478	Ok
Story2	P01	Comb16	5.007	8.937	18.696	9.348	0.478	Ok
Story2	P01	Comb17	5.007	8.937	18.696	9.348	0.478	Ok
Story2	P01	Comb18	5.007	8.937	18.696	9.348	0.478	Ok

Story2	P02	Comb3	4.095	5.322	12.211	6.106	0.436	Ok
Story2	P02	Comb4	4.095	5.322	12.211	6.106	0.436	Ok
Story2	P02	Comb5	4.095	5.322	12.211	6.106	0.436	Ok
Story2	P02	Comb6	4.095	5.322	12.211	6.106	0.436	Ok
Story2	P02	Comb7	4.017	5.830	12.238	6.119	0.476	Ok
Story2	P02	Comb8	4.017	5.830	12.238	6.119	0.476	Ok
Story2	P02	Comb9	4.017	5.830	12.238	6.119	0.476	Ok
Story2	P02	Comb10	3.516	5.962	12.405	6.202	0.481	Ok
Story2	P02	Comb11	3.674	6.339	12.352	6.176	0.513	Ok
Story2	P02	Comb12	3.674	6.339	12.352	6.176	0.513	Ok
Story2	P02	Comb13	3.674	6.339	12.352	6.176	0.513	Ok
Story2	P02	Comb14	3.674	6.339	12.352	6.176	0.513	Ok
Story2	P02	Comb15	3.596	6.847	12.378	6.189	0.553	Ok
Story2	P02	Comb16	3.596	6.847	12.378	6.189	0.553	Ok
Story2	P02	Comb17	3.596	6.847	12.378	6.189	0.553	Ok
Story2	P02	Comb18	3.596	6.847	12.378	6.189	0.553	Ok
Story2	P03	Comb3	7.425	6.462	28.072	14.036	0.230	Ok
Story2	P03	Comb4	7.425	6.462	28.072	14.036	0.230	Ok
Story2	P03	Comb5	7.425	6.462	28.072	14.036	0.230	Ok
Story2	P03	Comb6	7.425	6.462	28.072	14.036	0.230	Ok
Story2	P03	Comb7	7.065	7.945	28.192	14.096	0.282	Ok
Story2	P03	Comb8	7.065	7.945	28.192	14.096	0.282	Ok
Story2	P03	Comb9	7.065	7.945	28.192	14.096	0.282	Ok
Story2	P03	Comb10	5.863	8.035	28.593	14.296	0.281	Ok
Story2	P03	Comb11	6.215	7.092	28.475	14.238	0.249	Ok
Story2	P03	Comb12	6.215	7.092	28.475	14.238	0.249	Ok
Story2	P03	Comb13	6.215	7.092	28.475	14.238	0.249	Ok
Story2	P03	Comb14	6.215	7.092	28.475	14.238	0.249	Ok
Story2	P03	Comb15	5.855	8.574	28.595	14.298	0.300	Ok
Story2	P03	Comb16	5.855	8.574	28.595	14.298	0.300	Ok
Story2	P03	Comb17	5.855	8.574	28.595	14.298	0.300	Ok
Story2	P03	Comb18	5.855	8.574	28.595	14.298	0.300	Ok
Story2	P04	Comb3	27.080	30.064	113.161	56.581	0.266	Ok
Story2	P04	Comb4	27.080	30.064	113.161	56.581	0.266	Ok
Story2	P04	Comb5	27.080	30.064	113.161	56.581	0.266	Ok
Story2	P04	Comb6	27.080	30.064	113.161	56.581	0.266	Ok
Story2	P04	Comb7	23.856	35.299	114.236	57.118	0.309	Ok
Story2	P04	Comb8	23.856	35.299	114.236	57.118	0.309	Ok
Story2	P04	Comb9	23.856	35.299	114.236	57.118	0.309	Ok
Story2	P04	Comb10	20.381	34.984	115.394	57.697	0.303	Ok
Story2	P04	Comb11	21.863	25.610	114.900	57.450	0.223	Ok
Story2	P04	Comb12	21.863	25.610	114.900	57.450	0.223	Ok
Story2	P04	Comb13	21.863	25.610	114.900	57.450	0.223	Ok

Story2	P04	Comb14	21.863	25.610	114.900	57.450	0.223	Ok
Story2	P04	Comb15	18.639	30.846	115.975	57.988	0.266	Ok
Story2	P04	Comb16	18.639	30.846	115.975	57.988	0.266	Ok
Story2	P04	Comb17	18.639	30.846	115.975	57.988	0.266	Ok
Story2	P04	Comb18	18.639	30.846	115.975	57.988	0.266	Ok
Story2	P05	Comb3	94.277	99.138	250.286	125.143	0.396	Ok
Story2	P05	Comb4	94.277	99.138	250.286	125.143	0.396	Ok
Story2	P05	Comb5	94.277	99.138	250.286	125.143	0.396	Ok
Story2	P05	Comb6	94.277	99.138	250.286	125.143	0.396	Ok
Story2	P05	Comb7	89.095	128.440	252.013	126.007	0.510	Ok
Story2	P05	Comb8	89.095	128.440	252.013	126.007	0.510	Ok
Story2	P05	Comb9	89.095	128.440	252.013	126.007	0.510	Ok
Story2	P05	Comb10	76.579	128.887	256.185	128.093	0.503	Ok
Story2	P05	Comb11	69.333	100.974	258.600	129.300	0.390	Ok
Story2	P05	Comb12	69.333	100.974	258.600	129.300	0.390	Ok
Story2	P05	Comb13	69.333	100.974	258.600	129.300	0.390	Ok
Story2	P05	Comb14	69.333	100.974	258.600	129.300	0.390	Ok
Story2	P05	Comb15	64.151	130.276	260.328	130.164	0.500	Ok
Story2	P05	Comb16	64.151	130.276	260.328	130.164	0.500	Ok
Story2	P05	Comb17	64.151	130.276	260.328	130.164	0.500	Ok
Story2	P05	Comb18	64.151	130.276	260.328	130.164	0.500	Ok
Story2	P06	Comb3	79.011	31.820	255.374	127.687	0.125	Ok
Story2	P06	Comb4	79.011	31.820	255.374	127.687	0.125	Ok
Story2	P06	Comb5	79.011	31.820	255.374	127.687	0.125	Ok
Story2	P06	Comb6	79.011	31.820	255.374	127.687	0.125	Ok
Story2	P06	Comb7	77.426	65.504	255.903	127.951	0.256	Ok
Story2	P06	Comb8	77.426	65.504	255.903	127.951	0.256	Ok
Story2	P06	Comb9	77.426	65.504	255.903	127.951	0.256	Ok
Story2	P06	Comb10	65.143	65.930	259.997	129.998	0.254	Ok
Story2	P06	Comb11	58.818	34.110	262.105	131.053	0.130	Ok
Story2	P06	Comb12	58.818	34.110	262.105	131.053	0.130	Ok
Story2	P06	Comb13	58.818	34.110	262.105	131.053	0.130	Ok
Story2	P06	Comb14	58.818	34.110	262.105	131.053	0.130	Ok
Story2	P06	Comb15	57.233	67.793	262.634	131.317	0.258	Ok
Story2	P06	Comb16	57.233	67.793	262.634	131.317	0.258	Ok
Story2	P06	Comb17	57.233	67.793	262.634	131.317	0.258	Ok
Story2	P06	Comb18	57.233	67.793	262.634	131.317	0.258	Ok
Story2	P07	Comb3	56.318	11.754	123.780	61.890	0.095	Ok
Story2	P07	Comb4	56.318	11.754	123.780	61.890	0.095	Ok
Story2	P07	Comb5	56.318	11.754	123.780	61.890	0.095	Ok
Story2	P07	Comb6	56.318	11.754	123.780	61.890	0.095	Ok
Story2	P07	Comb7	55.764	23.772	123.965	61.982	0.192	Ok
Story2	P07	Comb8	55.764	23.772	123.965	61.982	0.192	Ok

Story2	P07	Comb9	55.764	23.772	123.965	61.982	0.192	Ok
Story2	P07	Comb10	48.558	24.471	126.367	63.183	0.194	Ok
Story2	P07	Comb11	35.066	14.735	130.864	65.432	0.113	Ok
Story2	P07	Comb12	35.066	14.735	130.864	65.432	0.113	Ok
Story2	P07	Comb13	35.066	14.735	130.864	65.432	0.113	Ok
Story2	P07	Comb14	35.066	14.735	130.864	65.432	0.113	Ok
Story2	P07	Comb15	34.511	26.754	131.049	65.525	0.204	Ok
Story2	P07	Comb16	34.511	26.754	131.049	65.525	0.204	Ok
Story2	P07	Comb17	34.511	26.754	131.049	65.525	0.204	Ok
Story2	P07	Comb18	34.511	26.754	131.049	65.525	0.204	Ok
Story2	P08	Comb3	41.960	14.645	94.625	47.313	0.155	Ok
Story2	P08	Comb4	41.960	14.645	94.625	47.313	0.155	Ok
Story2	P08	Comb5	41.960	14.645	94.625	47.313	0.155	Ok
Story2	P08	Comb6	41.960	14.645	94.625	47.313	0.155	Ok
Story2	P08	Comb7	37.872	32.477	95.988	47.994	0.338	Ok
Story2	P08	Comb8	37.872	32.477	95.988	47.994	0.338	Ok
Story2	P08	Comb9	37.872	32.477	95.988	47.994	0.338	Ok
Story2	P08	Comb10	32.941	32.249	97.631	48.816	0.330	Ok
Story2	P08	Comb11	31.961	14.705	97.958	48.979	0.150	Ok
Story2	P08	Comb12	31.961	14.705	97.958	48.979	0.150	Ok
Story2	P08	Comb13	31.961	14.705	97.958	48.979	0.150	Ok
Story2	P08	Comb14	31.961	14.705	97.958	48.979	0.150	Ok
Story2	P08	Comb15	27.873	32.536	99.321	49.660	0.328	Ok
Story2	P08	Comb16	27.873	32.536	99.321	49.660	0.328	Ok
Story2	P08	Comb17	27.873	32.536	99.321	49.660	0.328	Ok
Story2	P08	Comb18	27.873	32.536	99.321	49.660	0.328	Ok
Story2	P09	Comb3	174.369	29.077	471.359	235.679	0.062	Ok
Story2	P09	Comb4	174.369	29.077	471.359	235.679	0.062	Ok
Story2	P09	Comb5	174.369	29.077	471.359	235.679	0.062	Ok
Story2	P09	Comb6	174.369	29.077	471.359	235.679	0.062	Ok
Story2	P09	Comb7	166.683	60.237	473.920	236.960	0.127	Ok
Story2	P09	Comb8	166.683	60.237	473.920	236.960	0.127	Ok
Story2	P09	Comb9	166.683	60.237	473.920	236.960	0.127	Ok
Story2	P09	Comb10	142.482	60.380	481.988	240.994	0.125	Ok
Story2	P09	Comb11	129.705	30.662	486.246	243.123	0.063	Ok
Story2	P09	Comb12	129.705	30.662	486.246	243.123	0.063	Ok
Story2	P09	Comb13	129.705	30.662	486.246	243.123	0.063	Ok
Story2	P09	Comb14	129.705	30.662	486.246	243.123	0.063	Ok
Story2	P09	Comb15	122.020	61.821	488.808	244.404	0.126	Ok
Story2	P09	Comb16	122.020	61.821	488.808	244.404	0.126	Ok
Story2	P09	Comb17	122.020	61.821	488.808	244.404	0.126	Ok
Story2	P09	Comb18	122.020	61.821	488.808	244.404	0.126	Ok
Story2	P10	Comb3	24.982	0.968	73.131	36.566	0.013	Ok

Story2	P10	Comb4	24.982	0.968	73.131	36.566	0.013	Ok
Story2	P10	Comb5	24.982	0.968	73.131	36.566	0.013	Ok
Story2	P10	Comb6	24.982	0.968	73.131	36.566	0.013	Ok
Story2	P10	Comb7	24.736	1.624	73.213	36.607	0.022	Ok
Story2	P10	Comb8	24.736	1.624	73.213	36.607	0.022	Ok
Story2	P10	Comb9	24.736	1.624	73.213	36.607	0.022	Ok
Story2	P10	Comb10	20.763	1.591	74.538	37.269	0.021	Ok
Story2	P10	Comb11	19.062	0.968	75.105	37.552	0.013	Ok
Story2	P10	Comb12	19.062	0.968	75.105	37.552	0.013	Ok
Story2	P10	Comb13	19.062	0.968	75.105	37.552	0.013	Ok
Story2	P10	Comb14	19.062	0.968	75.105	37.552	0.013	Ok
Story2	P10	Comb15	18.815	1.624	75.187	37.593	0.022	Ok
Story2	P10	Comb16	18.815	1.624	75.187	37.593	0.022	Ok
Story2	P10	Comb17	18.815	1.624	75.187	37.593	0.022	Ok
Story2	P10	Comb18	18.815	1.624	75.187	37.593	0.022	Ok
Story2	P11	Comb3	16.770	1.784	52.110	26.055	0.034	Ok
Story2	P11	Comb4	16.770	1.784	52.110	26.055	0.034	Ok
Story2	P11	Comb5	16.770	1.784	52.110	26.055	0.034	Ok
Story2	P11	Comb6	16.770	1.784	52.110	26.055	0.034	Ok
Story2	P11	Comb7	18.148	1.793	51.651	25.825	0.035	Ok
Story2	P11	Comb8	18.148	1.793	51.651	25.825	0.035	Ok
Story2	P11	Comb9	18.148	1.793	51.651	25.825	0.035	Ok
Story2	P11	Comb10	15.469	1.590	52.543	26.272	0.030	Ok
Story2	P11	Comb11	12.941	1.116	53.386	26.693	0.021	Ok
Story2	P11	Comb12	12.941	1.116	53.386	26.693	0.021	Ok
Story2	P11	Comb13	12.941	1.116	53.386	26.693	0.021	Ok
Story2	P11	Comb14	12.941	1.116	53.386	26.693	0.021	Ok
Story2	P11	Comb15	14.319	1.125	52.927	26.463	0.021	Ok
Story2	P11	Comb16	14.319	1.125	52.927	26.463	0.021	Ok
Story2	P11	Comb17	14.319	1.125	52.927	26.463	0.021	Ok
Story2	P11	Comb18	14.319	1.125	52.927	26.463	0.021	Ok
Story2	P12	Comb3	14.348	0.680	46.129	23.065	0.015	Ok
Story2	P12	Comb4	14.348	0.680	46.129	23.065	0.015	Ok
Story2	P12	Comb5	14.348	0.680	46.129	23.065	0.015	Ok
Story2	P12	Comb6	14.348	0.680	46.129	23.065	0.015	Ok
Story2	P12	Comb7	15.140	1.288	45.865	22.933	0.028	Ok
Story2	P12	Comb8	15.140	1.288	45.865	22.933	0.028	Ok
Story2	P12	Comb9	15.140	1.288	45.865	22.933	0.028	Ok
Story2	P12	Comb10	12.909	1.271	46.609	23.304	0.027	Ok
Story2	P12	Comb11	10.798	0.601	47.312	23.656	0.013	Ok
Story2	P12	Comb12	10.798	0.601	47.312	23.656	0.013	Ok
Story2	P12	Comb13	10.798	0.601	47.312	23.656	0.013	Ok
Story2	P12	Comb14	10.798	0.601	47.312	23.656	0.013	Ok

Story2	P12	Comb15	11.590	1.209	47.048	23.524	0.026	Ok
Story2	P12	Comb16	11.590	1.209	47.048	23.524	0.026	Ok
Story2	P12	Comb17	11.590	1.209	47.048	23.524	0.026	Ok
Story2	P12	Comb18	11.590	1.209	47.048	23.524	0.026	Ok
Story2	P13	Comb3	4.956	0.310	18.713	9.356	0.017	Ok
Story2	P13	Comb4	4.956	0.310	18.713	9.356	0.017	Ok
Story2	P13	Comb5	4.956	0.310	18.713	9.356	0.017	Ok
Story2	P13	Comb6	4.956	0.310	18.713	9.356	0.017	Ok
Story2	P13	Comb7	5.473	0.241	18.540	9.270	0.013	Ok
Story2	P13	Comb8	5.473	0.241	18.540	9.270	0.013	Ok
Story2	P13	Comb9	5.473	0.241	18.540	9.270	0.013	Ok
Story2	P13	Comb10	4.708	0.177	18.795	9.398	0.009	Ok
Story2	P13	Comb11	3.855	0.140	19.080	9.540	0.007	Ok
Story2	P13	Comb12	3.855	0.140	19.080	9.540	0.007	Ok
Story2	P13	Comb13	3.855	0.140	19.080	9.540	0.007	Ok
Story2	P13	Comb14	3.855	0.140	19.080	9.540	0.007	Ok
Story2	P13	Comb15	4.372	0.070	18.907	9.454	0.004	Ok
Story2	P13	Comb16	4.372	0.070	18.907	9.454	0.004	Ok
Story2	P13	Comb17	4.372	0.070	18.907	9.454	0.004	Ok
Story2	P13	Comb18	4.372	0.070	18.907	9.454	0.004	Ok
Story2	P14	Comb3	5.345	0.265	15.189	7.594	0.017	Ok
Story2	P14	Comb4	5.345	0.265	15.189	7.594	0.017	Ok
Story2	P14	Comb5	5.345	0.265	15.189	7.594	0.017	Ok
Story2	P14	Comb6	5.345	0.265	15.189	7.594	0.017	Ok
Story2	P14	Comb7	5.362	0.405	15.183	7.592	0.027	Ok
Story2	P14	Comb8	5.362	0.405	15.183	7.592	0.027	Ok
Story2	P14	Comb9	5.362	0.405	15.183	7.592	0.027	Ok
Story2	P14	Comb10	4.500	0.432	15.470	7.735	0.028	Ok
Story2	P14	Comb11	4.056	0.317	15.619	7.809	0.020	Ok
Story2	P14	Comb12	4.056	0.317	15.619	7.809	0.020	Ok
Story2	P14	Comb13	4.056	0.317	15.619	7.809	0.020	Ok
Story2	P14	Comb14	4.056	0.317	15.619	7.809	0.020	Ok
Story2	P14	Comb15	4.072	0.457	15.613	7.807	0.029	Ok
Story2	P14	Comb16	4.072	0.457	15.613	7.807	0.029	Ok
Story2	P14	Comb17	4.072	0.457	15.613	7.807	0.029	Ok
Story2	P14	Comb18	4.072	0.457	15.613	7.807	0.029	Ok
Story2	P15	Comb3	92.291	17.621	220.401	110.200	0.080	Ok
Story2	P15	Comb4	92.291	17.621	220.401	110.200	0.080	Ok
Story2	P15	Comb5	92.291	17.621	220.401	110.200	0.080	Ok
Story2	P15	Comb6	92.291	17.621	220.401	110.200	0.080	Ok
Story2	P15	Comb7	85.083	29.544	222.803	111.402	0.133	Ok
Story2	P15	Comb8	85.083	29.544	222.803	111.402	0.133	Ok
Story2	P15	Comb9	85.083	29.544	222.803	111.402	0.133	Ok

Story2	P15	Comb10	73.362	28.908	226.710	113.355	0.128	Ok
Story2	P15	Comb11	69.432	12.734	228.020	114.010	0.056	Ok
Story2	P15	Comb12	69.432	12.734	228.020	114.010	0.056	Ok
Story2	P15	Comb13	69.432	12.734	228.020	114.010	0.056	Ok
Story2	P15	Comb14	69.432	12.734	228.020	114.010	0.056	Ok
Story2	P15	Comb15	62.224	24.657	230.423	115.211	0.107	Ok
Story2	P15	Comb16	62.224	24.657	230.423	115.211	0.107	Ok
Story2	P15	Comb17	62.224	24.657	230.423	115.211	0.107	Ok
Story2	P15	Comb18	62.224	24.657	230.423	115.211	0.107	Ok
Story2	P16	Comb3	89.870	5.002	214.420	107.210	0.023	Ok
Story2	P16	Comb4	89.870	5.002	214.420	107.210	0.023	Ok
Story2	P16	Comb5	89.870	5.002	214.420	107.210	0.023	Ok
Story2	P16	Comb6	89.870	5.002	214.420	107.210	0.023	Ok
Story2	P16	Comb7	80.697	13.254	217.477	108.739	0.061	Ok
Story2	P16	Comb8	80.697	13.254	217.477	108.739	0.061	Ok
Story2	P16	Comb9	80.697	13.254	217.477	108.739	0.061	Ok
Story2	P16	Comb10	69.560	13.687	221.189	110.595	0.062	Ok
Story2	P16	Comb11	69.730	7.152	221.133	110.566	0.032	Ok
Story2	P16	Comb12	69.730	7.152	221.133	110.566	0.032	Ok
Story2	P16	Comb13	69.730	7.152	221.133	110.566	0.032	Ok
Story2	P16	Comb14	69.730	7.152	221.133	110.566	0.032	Ok
Story2	P16	Comb15	60.557	15.404	224.190	112.095	0.069	Ok
Story2	P16	Comb16	60.557	15.404	224.190	112.095	0.069	Ok
Story2	P16	Comb17	60.557	15.404	224.190	112.095	0.069	Ok
Story2	P16	Comb18	60.557	15.404	224.190	112.095	0.069	Ok
Story2	P17	Comb3	23.282	1.366	66.910	33.455	0.020	Ok
Story2	P17	Comb4	23.282	1.366	66.910	33.455	0.020	Ok
Story2	P17	Comb5	23.282	1.366	66.910	33.455	0.020	Ok
Story2	P17	Comb6	23.282	1.366	66.910	33.455	0.020	Ok
Story2	P17	Comb7	29.296	5.882	64.905	32.453	0.091	Ok
Story2	P17	Comb8	29.296	5.882	64.905	32.453	0.091	Ok
Story2	P17	Comb9	29.296	5.882	64.905	32.453	0.091	Ok
Story2	P17	Comb10	26.352	6.284	65.887	32.943	0.095	Ok
Story2	P17	Comb11	18.772	2.465	68.413	34.207	0.036	Ok
Story2	P17	Comb12	18.772	2.465	68.413	34.207	0.036	Ok
Story2	P17	Comb13	18.772	2.465	68.413	34.207	0.036	Ok
Story2	P17	Comb14	18.772	2.465	68.413	34.207	0.036	Ok
Story2	P17	Comb15	24.786	6.982	66.408	33.204	0.105	Ok
Story2	P17	Comb16	24.786	6.982	66.408	33.204	0.105	Ok
Story2	P17	Comb17	24.786	6.982	66.408	33.204	0.105	Ok
Story2	P17	Comb18	24.786	6.982	66.408	33.204	0.105	Ok
Story2	P18	Comb3	22.585	6.744	63.748	31.874	0.106	Ok
Story2	P18	Comb4	22.585	6.744	63.748	31.874	0.106	Ok

Story2	P18	Comb5	22.585	6.744	63.748	31.874	0.106	Ok
Story2	P18	Comb6	22.585	6.744	63.748	31.874	0.106	Ok
Story2	P18	Comb7	27.409	10.529	62.140	31.070	0.169	Ok
Story2	P18	Comb8	27.409	10.529	62.140	31.070	0.169	Ok
Story2	P18	Comb9	27.409	10.529	62.140	31.070	0.169	Ok
Story2	P18	Comb10	24.682	10.230	63.049	31.525	0.162	Ok
Story2	P18	Comb11	18.746	5.527	65.028	32.514	0.085	Ok
Story2	P18	Comb12	18.746	5.527	65.028	32.514	0.085	Ok
Story2	P18	Comb13	18.746	5.527	65.028	32.514	0.085	Ok
Story2	P18	Comb14	18.746	5.527	65.028	32.514	0.085	Ok
Story2	P18	Comb15	23.571	9.311	63.419	31.710	0.147	Ok
Story2	P18	Comb16	23.571	9.311	63.419	31.710	0.147	Ok
Story2	P18	Comb17	23.571	9.311	63.419	31.710	0.147	Ok
Story2	P18	Comb18	23.571	9.311	63.419	31.710	0.147	Ok
Story2	P19	Comb3	45.294	15.714	164.790	82.395	0.095	Ok
Story2	P19	Comb4	45.294	15.714	164.790	82.395	0.095	Ok
Story2	P19	Comb5	45.294	15.714	164.790	82.395	0.095	Ok
Story2	P19	Comb6	45.294	15.714	164.790	82.395	0.095	Ok
Story2	P19	Comb7	46.010	31.876	164.551	82.276	0.194	Ok
Story2	P19	Comb8	46.010	31.876	164.551	82.276	0.194	Ok
Story2	P19	Comb9	46.010	31.876	164.551	82.276	0.194	Ok
Story2	P19	Comb10	38.712	31.649	166.984	83.492	0.190	Ok
Story2	P19	Comb11	34.583	15.299	168.360	84.180	0.091	Ok
Story2	P19	Comb12	34.583	15.299	168.360	84.180	0.091	Ok
Story2	P19	Comb13	34.583	15.299	168.360	84.180	0.091	Ok
Story2	P19	Comb14	34.583	15.299	168.360	84.180	0.091	Ok
Story2	P19	Comb15	35.299	31.461	168.122	84.061	0.187	Ok
Story2	P19	Comb16	35.299	31.461	168.122	84.061	0.187	Ok
Story2	P19	Comb17	35.299	31.461	168.122	84.061	0.187	Ok
Story2	P19	Comb18	35.299	31.461	168.122	84.061	0.187	Ok
Story2	P20	Comb3	55.452	16.041	161.404	80.702	0.099	Ok
Story2	P20	Comb4	55.452	16.041	161.404	80.702	0.099	Ok
Story2	P20	Comb5	55.452	16.041	161.404	80.702	0.099	Ok
Story2	P20	Comb6	55.452	16.041	161.404	80.702	0.099	Ok
Story2	P20	Comb7	58.186	34.635	160.493	80.246	0.216	Ok
Story2	P20	Comb8	58.186	34.635	160.493	80.246	0.216	Ok
Story2	P20	Comb9	58.186	34.635	160.493	80.246	0.216	Ok
Story2	P20	Comb10	50.482	34.585	163.061	81.530	0.212	Ok
Story2	P20	Comb11	43.436	15.443	165.409	82.705	0.093	Ok
Story2	P20	Comb12	43.436	15.443	165.409	82.705	0.093	Ok
Story2	P20	Comb13	43.436	15.443	165.409	82.705	0.093	Ok
Story2	P20	Comb14	43.436	15.443	165.409	82.705	0.093	Ok
Story2	P20	Comb15	46.170	34.037	164.498	82.249	0.207	Ok

Story2	P20	Comb16	46.170	34.037	164.498	82.249	0.207	Ok
Story2	P20	Comb17	46.170	34.037	164.498	82.249	0.207	Ok
Story2	P20	Comb18	46.170	34.037	164.498	82.249	0.207	Ok
Story2	P21	Comb3	19.476	9.095	74.967	37.483	0.121	Ok
Story2	P21	Comb4	19.476	9.095	74.967	37.483	0.121	Ok
Story2	P21	Comb5	19.476	9.095	74.967	37.483	0.121	Ok
Story2	P21	Comb6	19.476	9.095	74.967	37.483	0.121	Ok
Story2	P21	Comb7	20.729	13.490	74.549	37.274	0.181	Ok
Story2	P21	Comb8	20.729	13.490	74.549	37.274	0.181	Ok
Story2	P21	Comb9	20.729	13.490	74.549	37.274	0.181	Ok
Story2	P21	Comb10	17.863	13.337	75.505	37.752	0.177	Ok
Story2	P21	Comb11	15.806	8.026	76.190	38.095	0.105	Ok
Story2	P21	Comb12	15.806	8.026	76.190	38.095	0.105	Ok
Story2	P21	Comb13	15.806	8.026	76.190	38.095	0.105	Ok
Story2	P21	Comb14	15.806	8.026	76.190	38.095	0.105	Ok
Story2	P21	Comb15	17.060	12.421	75.772	37.886	0.164	Ok
Story2	P21	Comb16	17.060	12.421	75.772	37.886	0.164	Ok
Story2	P21	Comb17	17.060	12.421	75.772	37.886	0.164	Ok
Story2	P21	Comb18	17.060	12.421	75.772	37.886	0.164	Ok
Story2	P22	Comb3	27.811	6.519	55.218	27.609	0.118	Ok
Story2	P22	Comb4	27.811	6.519	55.218	27.609	0.118	Ok
Story2	P22	Comb5	27.811	6.519	55.218	27.609	0.118	Ok
Story2	P22	Comb6	27.811	6.519	55.218	27.609	0.118	Ok
Story2	P22	Comb7	25.664	8.516	55.933	27.967	0.152	Ok
Story2	P22	Comb8	25.664	8.516	55.933	27.967	0.152	Ok
Story2	P22	Comb9	25.664	8.516	55.933	27.967	0.152	Ok
Story2	P22	Comb10	22.978	8.624	56.829	28.414	0.152	Ok
Story2	P22	Comb11	22.296	6.066	57.056	28.528	0.106	Ok
Story2	P22	Comb12	22.296	6.066	57.056	28.528	0.106	Ok
Story2	P22	Comb13	22.296	6.066	57.056	28.528	0.106	Ok
Story2	P22	Comb14	22.296	6.066	57.056	28.528	0.106	Ok
Story2	P22	Comb15	20.150	8.063	57.772	28.886	0.140	Ok
Story2	P22	Comb16	20.150	8.063	57.772	28.886	0.140	Ok
Story2	P22	Comb17	20.150	8.063	57.772	28.886	0.140	Ok
Story2	P22	Comb18	20.150	8.063	57.772	28.886	0.140	Ok
Story2	P23	Comb3	29.560	7.044	68.211	34.106	0.103	Ok
Story2	P23	Comb4	29.560	7.044	68.211	34.106	0.103	Ok
Story2	P23	Comb5	29.560	7.044	68.211	34.106	0.103	Ok
Story2	P23	Comb6	29.560	7.044	68.211	34.106	0.103	Ok
Story2	P23	Comb7	30.143	12.781	68.017	34.008	0.188	Ok
Story2	P23	Comb8	30.143	12.781	68.017	34.008	0.188	Ok
Story2	P23	Comb9	30.143	12.781	68.017	34.008	0.188	Ok
Story2	P23	Comb10	26.808	12.745	69.129	34.564	0.184	Ok

Story2	P23	Comb11	22.913	7.961	70.427	35.213	0.113	Ok
Story2	P23	Comb12	22.913	7.961	70.427	35.213	0.113	Ok
Story2	P23	Comb13	22.913	7.961	70.427	35.213	0.113	Ok
Story2	P23	Comb14	22.913	7.961	70.427	35.213	0.113	Ok
Story2	P23	Comb15	23.496	13.699	70.232	35.116	0.195	Ok
Story2	P23	Comb16	23.496	13.699	70.232	35.116	0.195	Ok
Story2	P23	Comb17	23.496	13.699	70.232	35.116	0.195	Ok
Story2	P23	Comb18	23.496	13.699	70.232	35.116	0.195	Ok
Story2	P24	Comb3	17.569	6.344	62.026	31.013	0.102	Ok
Story2	P24	Comb4	17.569	6.344	62.026	31.013	0.102	Ok
Story2	P24	Comb5	17.569	6.344	62.026	31.013	0.102	Ok
Story2	P24	Comb6	17.569	6.344	62.026	31.013	0.102	Ok
Story2	P24	Comb7	19.243	9.961	61.468	30.734	0.162	Ok
Story2	P24	Comb8	19.243	9.961	61.468	30.734	0.162	Ok
Story2	P24	Comb9	19.243	9.961	61.468	30.734	0.162	Ok
Story2	P24	Comb10	16.776	9.940	62.290	31.145	0.160	Ok
Story2	P24	Comb11	14.297	6.959	63.117	31.558	0.110	Ok
Story2	P24	Comb12	14.297	6.959	63.117	31.558	0.110	Ok
Story2	P24	Comb13	14.297	6.959	63.117	31.558	0.110	Ok
Story2	P24	Comb14	14.297	6.959	63.117	31.558	0.110	Ok
Story2	P24	Comb15	15.970	10.576	62.559	31.279	0.169	Ok
Story2	P24	Comb16	15.970	10.576	62.559	31.279	0.169	Ok
Story2	P24	Comb17	15.970	10.576	62.559	31.279	0.169	Ok
Story2	P24	Comb18	15.970	10.576	62.559	31.279	0.169	Ok
Story2	P25	Comb3	9.613	5.006	34.131	17.065	0.147	Ok
Story2	P25	Comb4	9.613	5.006	34.131	17.065	0.147	Ok
Story2	P25	Comb5	9.613	5.006	34.131	17.065	0.147	Ok
Story2	P25	Comb6	9.613	5.006	34.131	17.065	0.147	Ok
Story2	P25	Comb7	9.735	4.299	34.090	17.045	0.126	Ok
Story2	P25	Comb8	9.735	4.299	34.090	17.045	0.126	Ok
Story2	P25	Comb9	9.735	4.299	34.090	17.045	0.126	Ok
Story2	P25	Comb10	8.560	4.253	34.482	17.241	0.123	Ok
Story2	P25	Comb11	7.352	5.118	34.885	17.442	0.147	Ok
Story2	P25	Comb12	7.352	5.118	34.885	17.442	0.147	Ok
Story2	P25	Comb13	7.352	5.118	34.885	17.442	0.147	Ok
Story2	P25	Comb14	7.352	5.118	34.885	17.442	0.147	Ok
Story2	P25	Comb15	7.474	4.412	34.844	17.422	0.127	Ok
Story2	P25	Comb16	7.474	4.412	34.844	17.422	0.127	Ok
Story2	P25	Comb17	7.474	4.412	34.844	17.422	0.127	Ok
Story2	P25	Comb18	7.474	4.412	34.844	17.422	0.127	Ok
Story2	P26	Comb3	34.456	9.411	69.974	34.987	0.134	Ok
Story2	P26	Comb4	34.456	9.411	69.974	34.987	0.134	Ok
Story2	P26	Comb5	34.456	9.411	69.974	34.987	0.134	Ok

Story2	P26	Comb6	34.456	9.411	69.974	34.987	0.134	Ok
Story2	P26	Comb7	35.489	6.268	69.629	34.815	0.090	Ok
Story2	P26	Comb8	35.489	6.268	69.629	34.815	0.090	Ok
Story2	P26	Comb9	35.489	6.268	69.629	34.815	0.090	Ok
Story2	P26	Comb10	31.635	6.366	70.914	35.457	0.090	Ok
Story2	P26	Comb11	25.750	9.838	72.875	36.438	0.135	Ok
Story2	P26	Comb12	25.750	9.838	72.875	36.438	0.135	Ok
Story2	P26	Comb13	25.750	9.838	72.875	36.438	0.135	Ok
Story2	P26	Comb14	25.750	9.838	72.875	36.438	0.135	Ok
Story2	P26	Comb15	26.784	6.696	72.531	36.265	0.092	Ok
Story2	P26	Comb16	26.784	6.696	72.531	36.265	0.092	Ok
Story2	P26	Comb17	26.784	6.696	72.531	36.265	0.092	Ok
Story2	P26	Comb18	26.784	6.696	72.531	36.265	0.092	Ok
Story2	P27	Comb3	7.770	2.420	21.169	10.584	0.114	Ok
Story2	P27	Comb4	7.770	2.420	21.169	10.584	0.114	Ok
Story2	P27	Comb5	7.770	2.420	21.169	10.584	0.114	Ok
Story2	P27	Comb6	7.770	2.420	21.169	10.584	0.114	Ok
Story2	P27	Comb7	7.365	1.777	21.304	10.652	0.083	Ok
Story2	P27	Comb8	7.365	1.777	21.304	10.652	0.083	Ok
Story2	P27	Comb9	7.365	1.777	21.304	10.652	0.083	Ok
Story2	P27	Comb10	6.544	1.751	21.577	10.789	0.081	Ok
Story2	P27	Comb11	6.546	2.396	21.577	10.788	0.111	Ok
Story2	P27	Comb12	6.546	2.396	21.577	10.788	0.111	Ok
Story2	P27	Comb13	6.546	2.396	21.577	10.788	0.111	Ok
Story2	P27	Comb14	6.546	2.396	21.577	10.788	0.111	Ok
Story2	P27	Comb15	6.141	1.753	21.712	10.856	0.081	Ok
Story2	P27	Comb16	6.141	1.753	21.712	10.856	0.081	Ok
Story2	P27	Comb17	6.141	1.753	21.712	10.856	0.081	Ok
Story2	P27	Comb18	6.141	1.753	21.712	10.856	0.081	Ok
Story2	P28	Comb3	6.782	1.008	14.710	7.355	0.068	Ok
Story2	P28	Comb4	6.782	1.008	14.710	7.355	0.068	Ok
Story2	P28	Comb5	6.782	1.008	14.710	7.355	0.068	Ok
Story2	P28	Comb6	6.782	1.008	14.710	7.355	0.068	Ok
Story2	P28	Comb7	6.814	0.485	14.699	7.350	0.033	Ok
Story2	P28	Comb8	6.814	0.485	14.699	7.350	0.033	Ok
Story2	P28	Comb9	6.814	0.485	14.699	7.350	0.033	Ok
Story2	P28	Comb10	6.006	0.483	14.969	7.484	0.032	Ok
Story2	P28	Comb11	4.515	0.865	15.465	7.733	0.056	Ok
Story2	P28	Comb12	4.515	0.865	15.465	7.733	0.056	Ok
Story2	P28	Comb13	4.515	0.865	15.465	7.733	0.056	Ok
Story2	P28	Comb14	4.515	0.865	15.465	7.733	0.056	Ok
Story2	P28	Comb15	4.547	0.342	15.455	7.727	0.022	Ok
Story2	P28	Comb16	4.547	0.342	15.455	7.727	0.022	Ok

Story2	P28	Comb17	4.547	0.342	15.455	7.727	0.022	Ok
Story2	P28	Comb18	4.547	0.342	15.455	7.727	0.022	Ok
Story2	P29	Comb3	12.572	2.082	36.539	18.269	0.057	Ok
Story2	P29	Comb4	12.572	2.082	36.539	18.269	0.057	Ok
Story2	P29	Comb5	12.572	2.082	36.539	18.269	0.057	Ok
Story2	P29	Comb6	12.572	2.082	36.539	18.269	0.057	Ok
Story2	P29	Comb7	13.823	1.500	36.122	18.061	0.042	Ok
Story2	P29	Comb8	13.823	1.500	36.122	18.061	0.042	Ok
Story2	P29	Comb9	13.823	1.500	36.122	18.061	0.042	Ok
Story2	P29	Comb10	12.141	1.563	36.682	18.341	0.043	Ok
Story2	P29	Comb11	9.298	2.539	37.630	18.815	0.067	Ok
Story2	P29	Comb12	9.298	2.539	37.630	18.815	0.067	Ok
Story2	P29	Comb13	9.298	2.539	37.630	18.815	0.067	Ok
Story2	P29	Comb14	9.298	2.539	37.630	18.815	0.067	Ok
Story2	P29	Comb15	10.549	1.957	37.213	18.606	0.053	Ok
Story2	P29	Comb16	10.549	1.957	37.213	18.606	0.053	Ok
Story2	P29	Comb17	10.549	1.957	37.213	18.606	0.053	Ok
Story2	P29	Comb18	10.549	1.957	37.213	18.606	0.053	Ok
Story2	P30	Comb3	16.526	2.009	45.403	22.701	0.044	Ok
Story2	P30	Comb4	16.526	2.009	45.403	22.701	0.044	Ok
Story2	P30	Comb5	16.526	2.009	45.403	22.701	0.044	Ok
Story2	P30	Comb6	16.526	2.009	45.403	22.701	0.044	Ok
Story2	P30	Comb7	18.501	0.404	44.745	22.372	0.009	Ok
Story2	P30	Comb8	18.501	0.404	44.745	22.372	0.009	Ok
Story2	P30	Comb9	18.501	0.404	44.745	22.372	0.009	Ok
Story2	P30	Comb10	16.299	0.493	45.479	22.739	0.011	Ok
Story2	P30	Comb11	12.106	2.319	46.876	23.438	0.049	Ok
Story2	P30	Comb12	12.106	2.319	46.876	23.438	0.049	Ok
Story2	P30	Comb13	12.106	2.319	46.876	23.438	0.049	Ok
Story2	P30	Comb14	12.106	2.319	46.876	23.438	0.049	Ok
Story2	P30	Comb15	14.081	0.714	46.218	23.109	0.015	Ok
Story2	P30	Comb16	14.081	0.714	46.218	23.109	0.015	Ok
Story2	P30	Comb17	14.081	0.714	46.218	23.109	0.015	Ok
Story2	P30	Comb18	14.081	0.714	46.218	23.109	0.015	Ok
Story2	P31	Comb3	20.332	4.445	57.711	28.855	0.077	Ok
Story2	P31	Comb4	20.332	4.445	57.711	28.855	0.077	Ok
Story2	P31	Comb5	20.332	4.445	57.711	28.855	0.077	Ok
Story2	P31	Comb6	20.332	4.445	57.711	28.855	0.077	Ok
Story2	P31	Comb7	19.585	3.052	57.960	28.980	0.053	Ok
Story2	P31	Comb8	19.585	3.052	57.960	28.980	0.053	Ok
Story2	P31	Comb9	19.585	3.052	57.960	28.980	0.053	Ok
Story2	P31	Comb10	16.836	2.849	58.876	29.438	0.048	Ok
Story2	P31	Comb11	14.935	3.574	59.510	29.755	0.060	Ok

Story2	P31	Comb12	14.935	3.574	59.510	29.755	0.060	Ok
Story2	P31	Comb13	14.935	3.574	59.510	29.755	0.060	Ok
Story2	P31	Comb14	14.935	3.574	59.510	29.755	0.060	Ok
Story2	P31	Comb15	14.187	2.181	59.759	29.880	0.037	Ok
Story2	P31	Comb16	14.187	2.181	59.759	29.880	0.037	Ok
Story2	P31	Comb17	14.187	2.181	59.759	29.880	0.037	Ok
Story2	P31	Comb18	14.187	2.181	59.759	29.880	0.037	Ok
Story2	P32	Comb3	10.302	0.211	27.113	13.557	0.008	Ok
Story2	P32	Comb4	10.302	0.211	27.113	13.557	0.008	Ok
Story2	P32	Comb5	10.302	0.211	27.113	13.557	0.008	Ok
Story2	P32	Comb6	10.302	0.211	27.113	13.557	0.008	Ok
Story2	P32	Comb7	9.963	0.149	27.226	13.613	0.005	Ok
Story2	P32	Comb8	9.963	0.149	27.226	13.613	0.005	Ok
Story2	P32	Comb9	9.963	0.149	27.226	13.613	0.005	Ok
Story2	P32	Comb10	8.551	0.115	27.697	13.848	0.004	Ok
Story2	P32	Comb11	7.222	0.486	28.140	14.070	0.017	Ok
Story2	P32	Comb12	7.222	0.486	28.140	14.070	0.017	Ok
Story2	P32	Comb13	7.222	0.486	28.140	14.070	0.017	Ok
Story2	P32	Comb14	7.222	0.486	28.140	14.070	0.017	Ok
Story2	P32	Comb15	6.883	0.126	28.253	14.126	0.004	Ok
Story2	P32	Comb16	6.883	0.126	28.253	14.126	0.004	Ok
Story2	P32	Comb17	6.883	0.126	28.253	14.126	0.004	Ok
Story2	P32	Comb18	6.883	0.126	28.253	14.126	0.004	Ok
Story2	P33	Comb3	8.128	1.401	24.444	12.222	0.057	Ok
Story2	P33	Comb4	8.128	1.401	24.444	12.222	0.057	Ok
Story2	P33	Comb5	8.128	1.401	24.444	12.222	0.057	Ok
Story2	P33	Comb6	8.128	1.401	24.444	12.222	0.057	Ok
Story2	P33	Comb7	8.294	1.140	24.388	12.194	0.047	Ok
Story2	P33	Comb8	8.294	1.140	24.388	12.194	0.047	Ok
Story2	P33	Comb9	8.294	1.140	24.388	12.194	0.047	Ok
Story2	P33	Comb10	7.163	1.050	24.765	12.383	0.042	Ok
Story2	P33	Comb11	5.459	0.966	25.333	12.667	0.038	Ok
Story2	P33	Comb12	5.459	0.966	25.333	12.667	0.038	Ok
Story2	P33	Comb13	5.459	0.966	25.333	12.667	0.038	Ok
Story2	P33	Comb14	5.459	0.966	25.333	12.667	0.038	Ok
Story2	P33	Comb15	5.624	0.705	25.278	12.639	0.028	Ok
Story2	P33	Comb16	5.624	0.705	25.278	12.639	0.028	Ok
Story2	P33	Comb17	5.624	0.705	25.278	12.639	0.028	Ok
Story2	P33	Comb18	5.624	0.705	25.278	12.639	0.028	Ok
Story2	P34	Comb3	13.410	0.600	36.260	18.130	0.017	Ok
Story2	P34	Comb4	13.410	0.600	36.260	18.130	0.017	Ok
Story2	P34	Comb5	13.410	0.600	36.260	18.130	0.017	Ok
Story2	P34	Comb6	13.410	0.600	36.260	18.130	0.017	Ok

Story2	P34	Comb7	13.805	0.627	36.128	18.064	0.017	Ok
Story2	P34	Comb8	13.805	0.627	36.128	18.064	0.017	Ok
Story2	P34	Comb9	13.805	0.627	36.128	18.064	0.017	Ok
Story2	P34	Comb10	11.886	0.500	36.768	18.384	0.014	Ok
Story2	P34	Comb11	9.156	0.092	37.677	18.839	0.002	Ok
Story2	P34	Comb12	9.156	0.092	37.677	18.839	0.002	Ok
Story2	P34	Comb13	9.156	0.092	37.677	18.839	0.002	Ok
Story2	P34	Comb14	9.156	0.092	37.677	18.839	0.002	Ok
Story2	P34	Comb15	9.552	0.066	37.545	18.773	0.002	Ok
Story2	P34	Comb16	9.552	0.066	37.545	18.773	0.002	Ok
Story2	P34	Comb17	9.552	0.066	37.545	18.773	0.002	Ok
Story2	P34	Comb18	9.552	0.066	37.545	18.773	0.002	Ok
Story2	P35	Comb3	8.052	0.195	17.681	8.840	0.011	Ok
Story2	P35	Comb4	8.052	0.195	17.681	8.840	0.011	Ok
Story2	P35	Comb5	8.052	0.195	17.681	8.840	0.011	Ok
Story2	P35	Comb6	8.052	0.195	17.681	8.840	0.011	Ok
Story2	P35	Comb7	8.560	0.296	17.512	8.756	0.017	Ok
Story2	P35	Comb8	8.560	0.296	17.512	8.756	0.017	Ok
Story2	P35	Comb9	8.560	0.296	17.512	8.756	0.017	Ok
Story2	P35	Comb10	7.692	0.301	17.801	8.900	0.017	Ok
Story2	P35	Comb11	5.651	0.387	18.481	9.241	0.021	Ok
Story2	P35	Comb12	5.651	0.387	18.481	9.241	0.021	Ok
Story2	P35	Comb13	5.651	0.387	18.481	9.241	0.021	Ok
Story2	P35	Comb14	5.651	0.387	18.481	9.241	0.021	Ok
Story2	P35	Comb15	6.158	0.489	18.312	9.156	0.027	Ok
Story2	P35	Comb16	6.158	0.489	18.312	9.156	0.027	Ok
Story2	P35	Comb17	6.158	0.489	18.312	9.156	0.027	Ok
Story2	P35	Comb18	6.158	0.489	18.312	9.156	0.027	Ok
Story2	P36	Comb3	14.095	1.514	25.849	12.924	0.059	Ok
Story2	P36	Comb4	14.095	1.514	25.849	12.924	0.059	Ok
Story2	P36	Comb5	14.095	1.514	25.849	12.924	0.059	Ok
Story2	P36	Comb6	14.095	1.514	25.849	12.924	0.059	Ok
Story2	P36	Comb7	14.311	1.573	25.777	12.888	0.061	Ok
Story2	P36	Comb8	14.311	1.573	25.777	12.888	0.061	Ok
Story2	P36	Comb9	14.311	1.573	25.777	12.888	0.061	Ok
Story2	P36	Comb10	12.704	1.468	26.312	13.156	0.056	Ok
Story2	P36	Comb11	8.838	0.978	27.601	13.801	0.035	Ok
Story2	P36	Comb12	8.838	0.978	27.601	13.801	0.035	Ok
Story2	P36	Comb13	8.838	0.978	27.601	13.801	0.035	Ok
Story2	P36	Comb14	8.838	0.978	27.601	13.801	0.035	Ok
Story2	P36	Comb15	9.054	1.037	27.529	13.764	0.038	Ok
Story2	P36	Comb16	9.054	1.037	27.529	13.764	0.038	Ok
Story2	P36	Comb17	9.054	1.037	27.529	13.764	0.038	Ok

Story2	P36	Comb18	9.054	1.037	27.529	13.764	0.038	Ok
Story2	P37	Comb3	9.188	1.292	30.878	15.439	0.042	Ok
Story2	P37	Comb4	9.188	1.292	30.878	15.439	0.042	Ok
Story2	P37	Comb5	9.188	1.292	30.878	15.439	0.042	Ok
Story2	P37	Comb6	9.188	1.292	30.878	15.439	0.042	Ok
Story2	P37	Comb7	9.448	1.257	30.792	15.396	0.041	Ok
Story2	P37	Comb8	9.448	1.257	30.792	15.396	0.041	Ok
Story2	P37	Comb9	9.448	1.257	30.792	15.396	0.041	Ok
Story2	P37	Comb10	8.075	1.248	31.249	15.625	0.040	Ok
Story2	P37	Comb11	6.660	1.401	31.721	15.861	0.044	Ok
Story2	P37	Comb12	6.660	1.401	31.721	15.861	0.044	Ok
Story2	P37	Comb13	6.660	1.401	31.721	15.861	0.044	Ok
Story2	P37	Comb14	6.660	1.401	31.721	15.861	0.044	Ok
Story2	P37	Comb15	6.921	1.365	31.634	15.817	0.043	Ok
Story2	P37	Comb16	6.921	1.365	31.634	15.817	0.043	Ok
Story2	P37	Comb17	6.921	1.365	31.634	15.817	0.043	Ok
Story2	P37	Comb18	6.921	1.365	31.634	15.817	0.043	Ok
Story2	P38	Comb3	12.600	2.501	26.347	13.174	0.095	Ok
Story2	P38	Comb4	12.600	2.501	26.347	13.174	0.095	Ok
Story2	P38	Comb5	12.600	2.501	26.347	13.174	0.095	Ok
Story2	P38	Comb6	12.600	2.501	26.347	13.174	0.095	Ok
Story2	P38	Comb7	12.769	2.393	26.291	13.145	0.091	Ok
Story2	P38	Comb8	12.769	2.393	26.291	13.145	0.091	Ok
Story2	P38	Comb9	12.769	2.393	26.291	13.145	0.091	Ok
Story2	P38	Comb10	11.276	2.329	26.788	13.394	0.087	Ok
Story2	P38	Comb11	8.065	2.086	27.859	13.929	0.075	Ok
Story2	P38	Comb12	8.065	2.086	27.859	13.929	0.075	Ok
Story2	P38	Comb13	8.065	2.086	27.859	13.929	0.075	Ok
Story2	P38	Comb14	8.065	2.086	27.859	13.929	0.075	Ok
Story2	P38	Comb15	8.235	1.977	27.802	13.901	0.071	Ok
Story2	P38	Comb16	8.235	1.977	27.802	13.901	0.071	Ok
Story2	P38	Comb17	8.235	1.977	27.802	13.901	0.071	Ok
Story2	P38	Comb18	8.235	1.977	27.802	13.901	0.071	Ok
Story2	P39	Comb3	32.903	6.233	73.885	36.943	0.084	Ok
Story2	P39	Comb4	32.903	6.233	73.885	36.943	0.084	Ok
Story2	P39	Comb5	32.903	6.233	73.885	36.943	0.084	Ok
Story2	P39	Comb6	32.903	6.233	73.885	36.943	0.084	Ok
Story2	P39	Comb7	35.797	4.982	72.920	36.460	0.068	Ok
Story2	P39	Comb8	35.797	4.982	72.920	36.460	0.068	Ok
Story2	P39	Comb9	35.797	4.982	72.920	36.460	0.068	Ok
Story2	P39	Comb10	31.395	4.935	74.388	37.194	0.066	Ok
Story2	P39	Comb11	22.877	5.807	77.227	38.614	0.075	Ok
Story2	P39	Comb12	22.877	5.807	77.227	38.614	0.075	Ok

Story2	P39	Comb13	22.877	5.807	77.227	38.614	0.075	Ok
Story2	P39	Comb14	22.877	5.807	77.227	38.614	0.075	Ok
Story2	P39	Comb15	25.771	4.556	76.262	38.131	0.060	Ok
Story2	P39	Comb16	25.771	4.556	76.262	38.131	0.060	Ok
Story2	P39	Comb17	25.771	4.556	76.262	38.131	0.060	Ok
Story2	P39	Comb18	25.771	4.556	76.262	38.131	0.060	Ok
Story2	P40	Comb3	10.144	1.197	27.166	13.583	0.044	Ok
Story2	P40	Comb4	10.144	1.197	27.166	13.583	0.044	Ok
Story2	P40	Comb5	10.144	1.197	27.166	13.583	0.044	Ok
Story2	P40	Comb6	10.144	1.197	27.166	13.583	0.044	Ok
Story2	P40	Comb7	10.052	1.024	27.196	13.598	0.038	Ok
Story2	P40	Comb8	10.052	1.024	27.196	13.598	0.038	Ok
Story2	P40	Comb9	10.052	1.024	27.196	13.598	0.038	Ok
Story2	P40	Comb10	8.717	1.088	27.641	13.821	0.039	Ok
Story2	P40	Comb11	6.641	1.655	28.333	14.167	0.058	Ok
Story2	P40	Comb12	6.641	1.655	28.333	14.167	0.058	Ok
Story2	P40	Comb13	6.641	1.655	28.333	14.167	0.058	Ok
Story2	P40	Comb14	6.641	1.655	28.333	14.167	0.058	Ok
Story2	P40	Comb15	6.549	1.482	28.364	14.182	0.052	Ok
Story2	P40	Comb16	6.549	1.482	28.364	14.182	0.052	Ok
Story2	P40	Comb17	6.549	1.482	28.364	14.182	0.052	Ok
Story2	P40	Comb18	6.549	1.482	28.364	14.182	0.052	Ok
Story2	P41	Comb3	10.677	1.472	26.988	13.494	0.055	Ok
Story2	P41	Comb4	10.677	1.472	26.988	13.494	0.055	Ok
Story2	P41	Comb5	10.677	1.472	26.988	13.494	0.055	Ok
Story2	P41	Comb6	10.677	1.472	26.988	13.494	0.055	Ok
Story2	P41	Comb7	11.199	1.496	26.814	13.407	0.056	Ok
Story2	P41	Comb8	11.199	1.496	26.814	13.407	0.056	Ok
Story2	P41	Comb9	11.199	1.496	26.814	13.407	0.056	Ok
Story2	P41	Comb10	9.752	1.498	27.296	13.648	0.055	Ok
Story2	P41	Comb11	7.387	1.242	28.085	14.042	0.044	Ok
Story2	P41	Comb12	7.387	1.242	28.085	14.042	0.044	Ok
Story2	P41	Comb13	7.387	1.242	28.085	14.042	0.044	Ok
Story2	P41	Comb14	7.387	1.242	28.085	14.042	0.044	Ok
Story2	P41	Comb15	7.910	1.265	27.911	13.955	0.045	Ok
Story2	P41	Comb16	7.910	1.265	27.911	13.955	0.045	Ok
Story2	P41	Comb17	7.910	1.265	27.911	13.955	0.045	Ok
Story2	P41	Comb18	7.910	1.265	27.911	13.955	0.045	Ok
Story2	P42	Comb3	12.205	0.306	26.479	13.239	0.012	Ok
Story2	P42	Comb4	12.205	0.306	26.479	13.239	0.012	Ok
Story2	P42	Comb5	12.205	0.306	26.479	13.239	0.012	Ok
Story2	P42	Comb6	12.205	0.306	26.479	13.239	0.012	Ok
Story2	P42	Comb7	13.448	0.254	26.064	13.032	0.010	Ok

Story2	P42	Comb8	13.448	0.254	26.064	13.032	0.010	Ok
Story2	P42	Comb9	13.448	0.254	26.064	13.032	0.010	Ok
Story2	P42	Comb10	12.006	0.350	26.545	13.272	0.013	Ok
Story2	P42	Comb11	7.868	0.398	27.924	13.962	0.014	Ok
Story2	P42	Comb12	7.868	0.398	27.924	13.962	0.014	Ok
Story2	P42	Comb13	7.868	0.398	27.924	13.962	0.014	Ok
Story2	P42	Comb14	7.868	0.398	27.924	13.962	0.014	Ok
Story2	P42	Comb15	9.111	0.958	27.510	13.755	0.035	Ok
Story2	P42	Comb16	9.111	0.958	27.510	13.755	0.035	Ok
Story2	P42	Comb17	9.111	0.958	27.510	13.755	0.035	Ok
Story2	P42	Comb18	9.111	0.958	27.510	13.755	0.035	Ok
Story2	P43	Comb3	18.326	2.104	27.832	13.916	0.076	Ok
Story2	P43	Comb4	18.326	2.104	27.832	13.916	0.076	Ok
Story2	P43	Comb5	18.326	2.104	27.832	13.916	0.076	Ok
Story2	P43	Comb6	18.326	2.104	27.832	13.916	0.076	Ok
Story2	P43	Comb7	20.497	2.607	27.109	13.554	0.096	Ok
Story2	P43	Comb8	20.497	2.607	27.109	13.554	0.096	Ok
Story2	P43	Comb9	20.497	2.607	27.109	13.554	0.096	Ok
Story2	P43	Comb10	18.725	2.573	27.700	13.850	0.093	Ok
Story2	P43	Comb11	12.211	1.673	29.871	14.935	0.056	Ok
Story2	P43	Comb12	12.211	1.673	29.871	14.935	0.056	Ok
Story2	P43	Comb13	12.211	1.673	29.871	14.935	0.056	Ok
Story2	P43	Comb14	12.211	1.673	29.871	14.935	0.056	Ok
Story2	P43	Comb15	14.382	2.175	29.147	14.574	0.075	Ok
Story2	P43	Comb16	14.382	2.175	29.147	14.574	0.075	Ok
Story2	P43	Comb17	14.382	2.175	29.147	14.574	0.075	Ok
Story2	P43	Comb18	14.382	2.175	29.147	14.574	0.075	Ok
Story2	P44	Comb3	7.522	2.501	21.251	10.626	0.118	Ok
Story2	P44	Comb4	7.522	2.501	21.251	10.626	0.118	Ok
Story2	P44	Comb5	7.522	2.501	21.251	10.626	0.118	Ok
Story2	P44	Comb6	7.522	2.501	21.251	10.626	0.118	Ok
Story2	P44	Comb7	8.736	3.877	20.847	10.423	0.186	Ok
Story2	P44	Comb8	8.736	3.877	20.847	10.423	0.186	Ok
Story2	P44	Comb9	8.736	3.877	20.847	10.423	0.186	Ok
Story2	P44	Comb10	7.757	3.798	21.173	10.587	0.179	Ok
Story2	P44	Comb11	5.922	2.432	21.785	10.892	0.112	Ok
Story2	P44	Comb12	5.922	2.432	21.785	10.892	0.112	Ok
Story2	P44	Comb13	5.922	2.432	21.785	10.892	0.112	Ok
Story2	P44	Comb14	5.922	2.432	21.785	10.892	0.112	Ok
Story2	P44	Comb15	7.136	3.808	21.380	10.690	0.178	Ok
Story2	P44	Comb16	7.136	3.808	21.380	10.690	0.178	Ok
Story2	P44	Comb17	7.136	3.808	21.380	10.690	0.178	Ok
Story2	P44	Comb18	7.136	3.808	21.380	10.690	0.178	Ok

Story2	P45	Comb3	35.155	14.550	107.076	53.538	0.136	Ok
Story2	P45	Comb4	35.155	14.550	107.076	53.538	0.136	Ok
Story2	P45	Comb5	35.155	14.550	107.076	53.538	0.136	Ok
Story2	P45	Comb6	35.155	14.550	107.076	53.538	0.136	Ok
Story2	P45	Comb7	33.607	7.822	107.592	53.796	0.073	Ok
Story2	P45	Comb8	33.607	7.822	107.592	53.796	0.073	Ok
Story2	P45	Comb9	33.607	7.822	107.592	53.796	0.073	Ok
Story2	P45	Comb10	28.405	7.680	109.326	54.663	0.070	Ok
Story2	P45	Comb11	26.792	13.977	109.863	54.932	0.127	Ok
Story2	P45	Comb12	26.792	13.977	109.863	54.932	0.127	Ok
Story2	P45	Comb13	26.792	13.977	109.863	54.932	0.127	Ok
Story2	P45	Comb14	26.792	13.977	109.863	54.932	0.127	Ok
Story2	P45	Comb15	25.244	7.249	110.379	55.190	0.066	Ok
Story2	P45	Comb16	25.244	7.249	110.379	55.190	0.066	Ok
Story2	P45	Comb17	25.244	7.249	110.379	55.190	0.066	Ok
Story2	P45	Comb18	25.244	7.249	110.379	55.190	0.066	Ok
Story2	P46	Comb3	120.864	49.405	336.458	168.229	0.147	Ok
Story2	P46	Comb4	120.864	49.405	336.458	168.229	0.147	Ok
Story2	P46	Comb5	120.864	49.405	336.458	168.229	0.147	Ok
Story2	P46	Comb6	120.864	49.405	336.458	168.229	0.147	Ok
Story2	P46	Comb7	119.861	25.575	336.793	168.396	0.076	Ok
Story2	P46	Comb8	119.861	25.575	336.793	168.396	0.076	Ok
Story2	P46	Comb9	119.861	25.575	336.793	168.396	0.076	Ok
Story2	P46	Comb10	101.740	25.986	342.833	171.417	0.076	Ok
Story2	P46	Comb11	86.645	51.329	347.865	173.932	0.148	Ok
Story2	P46	Comb12	86.645	51.329	347.865	173.932	0.148	Ok
Story2	P46	Comb13	86.645	51.329	347.865	173.932	0.148	Ok
Story2	P46	Comb14	86.645	51.329	347.865	173.932	0.148	Ok
Story2	P46	Comb15	85.642	27.499	348.199	174.100	0.079	Ok
Story2	P46	Comb16	85.642	27.499	348.199	174.100	0.079	Ok
Story2	P46	Comb17	85.642	27.499	348.199	174.100	0.079	Ok
Story2	P46	Comb18	85.642	27.499	348.199	174.100	0.079	Ok
Story2	P47	Comb3	62.792	20.831	152.169	76.085	0.137	Ok
Story2	P47	Comb4	62.792	20.831	152.169	76.085	0.137	Ok
Story2	P47	Comb5	62.792	20.831	152.169	76.085	0.137	Ok
Story2	P47	Comb6	62.792	20.831	152.169	76.085	0.137	Ok
Story2	P47	Comb7	60.129	12.257	153.057	76.528	0.080	Ok
Story2	P47	Comb8	60.129	12.257	153.057	76.528	0.080	Ok
Story2	P47	Comb9	60.129	12.257	153.057	76.528	0.080	Ok
Story2	P47	Comb10	51.790	12.437	155.837	77.918	0.080	Ok
Story2	P47	Comb11	44.237	22.977	158.354	79.177	0.145	Ok
Story2	P47	Comb12	44.237	22.977	158.354	79.177	0.145	Ok
Story2	P47	Comb13	44.237	22.977	158.354	79.177	0.145	Ok

Story2	P47	Comb14	44.237	22.977	158.354	79.177	0.145	Ok
Story2	P47	Comb15	41.574	14.403	159.242	79.621	0.090	Ok
Story2	P47	Comb16	41.574	14.403	159.242	79.621	0.090	Ok
Story2	P47	Comb17	41.574	14.403	159.242	79.621	0.090	Ok
Story2	P47	Comb18	41.574	14.403	159.242	79.621	0.090	Ok
Story2	P48	Comb3	42.083	8.989	97.978	48.989	0.092	Ok
Story2	P48	Comb4	42.083	8.989	97.978	48.989	0.092	Ok
Story2	P48	Comb5	42.083	8.989	97.978	48.989	0.092	Ok
Story2	P48	Comb6	42.083	8.989	97.978	48.989	0.092	Ok
Story2	P48	Comb7	45.766	6.356	96.750	48.375	0.066	Ok
Story2	P48	Comb8	45.766	6.356	96.750	48.375	0.066	Ok
Story2	P48	Comb9	45.766	6.356	96.750	48.375	0.066	Ok
Story2	P48	Comb10	40.076	6.587	98.647	49.324	0.067	Ok
Story2	P48	Comb11	28.912	9.978	102.368	51.184	0.097	Ok
Story2	P48	Comb12	28.912	9.978	102.368	51.184	0.097	Ok
Story2	P48	Comb13	28.912	9.978	102.368	51.184	0.097	Ok
Story2	P48	Comb14	28.912	9.978	102.368	51.184	0.097	Ok
Story2	P48	Comb15	32.595	7.344	101.141	50.570	0.073	Ok
Story2	P48	Comb16	32.595	7.344	101.141	50.570	0.073	Ok
Story2	P48	Comb17	32.595	7.344	101.141	50.570	0.073	Ok
Story2	P48	Comb18	32.595	7.344	101.141	50.570	0.073	Ok
Story2	P49	Comb3	14.779	1.572	39.197	19.599	0.040	Ok
Story2	P49	Comb4	14.779	1.572	39.197	19.599	0.040	Ok
Story2	P49	Comb5	14.779	1.572	39.197	19.599	0.040	Ok
Story2	P49	Comb6	14.779	1.572	39.197	19.599	0.040	Ok
Story2	P49	Comb7	14.811	1.106	39.186	19.593	0.028	Ok
Story2	P49	Comb8	14.811	1.106	39.186	19.593	0.028	Ok
Story2	P49	Comb9	14.811	1.106	39.186	19.593	0.028	Ok
Story2	P49	Comb10	12.747	1.123	39.874	19.937	0.028	Ok
Story2	P49	Comb11	10.222	1.791	40.716	20.358	0.044	Ok
Story2	P49	Comb12	10.222	1.791	40.716	20.358	0.044	Ok
Story2	P49	Comb13	10.222	1.791	40.716	20.358	0.044	Ok
Story2	P49	Comb14	10.222	1.791	40.716	20.358	0.044	Ok
Story2	P49	Comb15	10.254	1.325	40.705	20.353	0.033	Ok
Story2	P49	Comb16	10.254	1.325	40.705	20.353	0.033	Ok
Story2	P49	Comb17	10.254	1.325	40.705	20.353	0.033	Ok
Story2	P49	Comb18	10.254	1.325	40.705	20.353	0.033	Ok
Story2	P50	Comb3	14.027	1.895	32.659	16.330	0.058	Ok
Story2	P50	Comb4	14.027	1.895	32.659	16.330	0.058	Ok
Story2	P50	Comb5	14.027	1.895	32.659	16.330	0.058	Ok
Story2	P50	Comb6	14.027	1.895	32.659	16.330	0.058	Ok
Story2	P50	Comb7	14.070	1.236	32.645	16.323	0.038	Ok
Story2	P50	Comb8	14.070	1.236	32.645	16.323	0.038	Ok

Story2	P50	Comb9	14.070	1.236	32.645	16.323	0.038	Ok
Story2	P50	Comb10	12.259	1.245	33.249	16.624	0.037	Ok
Story2	P50	Comb11	9.671	1.667	34.111	17.056	0.049	Ok
Story2	P50	Comb12	9.671	1.667	34.111	17.056	0.049	Ok
Story2	P50	Comb13	9.671	1.667	34.111	17.056	0.049	Ok
Story2	P50	Comb14	9.671	1.667	34.111	17.056	0.049	Ok
Story2	P50	Comb15	9.714	1.008	34.097	17.049	0.030	Ok
Story2	P50	Comb16	9.714	1.008	34.097	17.049	0.030	Ok
Story2	P50	Comb17	9.714	1.008	34.097	17.049	0.030	Ok
Story2	P50	Comb18	9.714	1.008	34.097	17.049	0.030	Ok
Story2	P51	Comb3	74.594	27.425	148.235	74.118	0.185	Ok
Story2	P51	Comb4	74.594	27.425	148.235	74.118	0.185	Ok
Story2	P51	Comb5	74.594	27.425	148.235	74.118	0.185	Ok
Story2	P51	Comb6	74.594	27.425	148.235	74.118	0.185	Ok
Story2	P51	Comb7	88.645	19.939	143.551	71.776	0.139	Ok
Story2	P51	Comb8	88.645	19.939	143.551	71.776	0.139	Ok
Story2	P51	Comb9	88.645	19.939	143.551	71.776	0.139	Ok
Story2	P51	Comb10	79.775	19.296	146.508	73.254	0.132	Ok
Story2	P51	Comb11	53.319	23.382	155.327	77.663	0.151	Ok
Story2	P51	Comb12	53.319	23.382	155.327	77.663	0.151	Ok
Story2	P51	Comb13	53.319	23.382	155.327	77.663	0.151	Ok
Story2	P51	Comb14	53.319	23.382	155.327	77.663	0.151	Ok
Story2	P51	Comb15	67.370	15.896	150.643	75.321	0.106	Ok
Story2	P51	Comb16	67.370	15.896	150.643	75.321	0.106	Ok
Story2	P51	Comb17	67.370	15.896	150.643	75.321	0.106	Ok
Story2	P51	Comb18	67.370	15.896	150.643	75.321	0.106	Ok
Story2	P52	Comb3	20.033	1.930	37.446	18.723	0.052	Ok
Story2	P52	Comb4	20.033	1.930	37.446	18.723	0.052	Ok
Story2	P52	Comb5	20.033	1.930	37.446	18.723	0.052	Ok
Story2	P52	Comb6	20.033	1.930	37.446	18.723	0.052	Ok
Story2	P52	Comb7	20.421	2.620	37.316	18.658	0.070	Ok
Story2	P52	Comb8	20.421	2.620	37.316	18.658	0.070	Ok
Story2	P52	Comb9	20.421	2.620	37.316	18.658	0.070	Ok
Story2	P52	Comb10	18.439	2.662	37.977	18.989	0.070	Ok
Story2	P52	Comb11	14.918	2.463	39.151	19.575	0.063	Ok
Story2	P52	Comb12	14.918	2.463	39.151	19.575	0.063	Ok
Story2	P52	Comb13	14.918	2.463	39.151	19.575	0.063	Ok
Story2	P52	Comb14	14.918	2.463	39.151	19.575	0.063	Ok
Story2	P52	Comb15	15.306	3.153	39.021	19.511	0.081	Ok
Story2	P52	Comb16	15.306	3.153	39.021	19.511	0.081	Ok
Story2	P52	Comb17	15.306	3.153	39.021	19.511	0.081	Ok
Story2	P52	Comb18	15.306	3.153	39.021	19.511	0.081	Ok
Story2	P53	Comb3	36.448	4.802	82.886	41.443	0.058	Ok

Story2	P53	Comb4	36.448	4.802	82.886	41.443	0.058	Ok
Story2	P53	Comb5	36.448	4.802	82.886	41.443	0.058	Ok
Story2	P53	Comb6	36.448	4.802	82.886	41.443	0.058	Ok
Story2	P53	Comb7	38.747	2.866	82.120	41.060	0.035	Ok
Story2	P53	Comb8	38.747	2.866	82.120	41.060	0.035	Ok
Story2	P53	Comb9	38.747	2.866	82.120	41.060	0.035	Ok
Story2	P53	Comb10	34.296	2.871	83.603	41.802	0.034	Ok
Story2	P53	Comb11	26.411	4.872	86.232	43.116	0.056	Ok
Story2	P53	Comb12	26.411	4.872	86.232	43.116	0.056	Ok
Story2	P53	Comb13	26.411	4.872	86.232	43.116	0.056	Ok
Story2	P53	Comb14	26.411	4.872	86.232	43.116	0.056	Ok
Story2	P53	Comb15	28.709	2.937	85.465	42.733	0.034	Ok
Story2	P53	Comb16	28.709	2.937	85.465	42.733	0.034	Ok
Story2	P53	Comb17	28.709	2.937	85.465	42.733	0.034	Ok
Story2	P53	Comb18	28.709	2.937	85.465	42.733	0.034	Ok
Story2	P54	Comb3	10.843	0.996	30.327	15.163	0.033	Ok
Story2	P54	Comb4	10.843	0.996	30.327	15.163	0.033	Ok
Story2	P54	Comb5	10.843	0.996	30.327	15.163	0.033	Ok
Story2	P54	Comb6	10.843	0.996	30.327	15.163	0.033	Ok
Story2	P54	Comb7	11.249	0.464	30.192	15.096	0.015	Ok
Story2	P54	Comb8	11.249	0.464	30.192	15.096	0.015	Ok
Story2	P54	Comb9	11.249	0.464	30.192	15.096	0.015	Ok
Story2	P54	Comb10	9.754	0.477	30.690	15.345	0.016	Ok
Story2	P54	Comb11	8.011	0.980	31.271	15.635	0.031	Ok
Story2	P54	Comb12	8.011	0.980	31.271	15.635	0.031	Ok
Story2	P54	Comb13	8.011	0.980	31.271	15.635	0.031	Ok
Story2	P54	Comb14	8.011	0.980	31.271	15.635	0.031	Ok
Story2	P54	Comb15	8.417	0.447	31.136	15.568	0.014	Ok
Story2	P54	Comb16	8.417	0.447	31.136	15.568	0.014	Ok
Story2	P54	Comb17	8.417	0.447	31.136	15.568	0.014	Ok
Story2	P54	Comb18	8.417	0.447	31.136	15.568	0.014	Ok
Story2	P55	Comb3	12.813	0.278	22.882	11.441	0.012	Ok
Story2	P55	Comb4	12.813	0.278	22.882	11.441	0.012	Ok
Story2	P55	Comb5	12.813	0.278	22.882	11.441	0.012	Ok
Story2	P55	Comb6	12.813	0.278	22.882	11.441	0.012	Ok
Story2	P55	Comb7	13.781	0.590	22.559	11.280	0.026	Ok
Story2	P55	Comb8	13.781	0.590	22.559	11.280	0.026	Ok
Story2	P55	Comb9	13.781	0.590	22.559	11.280	0.026	Ok
Story2	P55	Comb10	12.237	0.661	23.074	11.537	0.029	Ok
Story2	P55	Comb11	8.518	0.859	24.314	12.157	0.035	Ok
Story2	P55	Comb12	8.518	0.859	24.314	12.157	0.035	Ok
Story2	P55	Comb13	8.518	0.859	24.314	12.157	0.035	Ok
Story2	P55	Comb14	8.518	0.859	24.314	12.157	0.035	Ok

Story2	P55	Comb15	9.486	1.171	23.991	11.996	0.049	Ok
Story2	P55	Comb16	9.486	1.171	23.991	11.996	0.049	Ok
Story2	P55	Comb17	9.486	1.171	23.991	11.996	0.049	Ok
Story2	P55	Comb18	9.486	1.171	23.991	11.996	0.049	Ok
Story2	P56	Comb3	54.346	14.385	158.379	79.189	0.091	Ok
Story2	P56	Comb4	54.346	14.385	158.379	79.189	0.091	Ok
Story2	P56	Comb5	54.346	14.385	158.379	79.189	0.091	Ok
Story2	P56	Comb6	54.346	14.385	158.379	79.189	0.091	Ok
Story2	P56	Comb7	58.143	6.768	157.113	78.556	0.043	Ok
Story2	P56	Comb8	58.143	6.768	157.113	78.556	0.043	Ok
Story2	P56	Comb9	58.143	6.768	157.113	78.556	0.043	Ok
Story2	P56	Comb10	50.260	6.751	159.741	79.870	0.042	Ok
Story2	P56	Comb11	39.107	13.901	163.458	81.729	0.085	Ok
Story2	P56	Comb12	39.107	13.901	163.458	81.729	0.085	Ok
Story2	P56	Comb13	39.107	13.901	163.458	81.729	0.085	Ok
Story2	P56	Comb14	39.107	13.901	163.458	81.729	0.085	Ok
Story2	P56	Comb15	42.904	6.284	162.192	81.096	0.039	Ok
Story2	P56	Comb16	42.904	6.284	162.192	81.096	0.039	Ok
Story2	P56	Comb17	42.904	6.284	162.192	81.096	0.039	Ok
Story2	P56	Comb18	42.904	6.284	162.192	81.096	0.039	Ok
Story2	P57	Comb3	29.771	4.285	81.718	40.859	0.052	Ok
Story2	P57	Comb4	29.771	4.285	81.718	40.859	0.052	Ok
Story2	P57	Comb5	29.771	4.285	81.718	40.859	0.052	Ok
Story2	P57	Comb6	29.771	4.285	81.718	40.859	0.052	Ok
Story2	P57	Comb7	30.654	2.259	81.423	40.712	0.028	Ok
Story2	P57	Comb8	30.654	2.259	81.423	40.712	0.028	Ok
Story2	P57	Comb9	30.654	2.259	81.423	40.712	0.028	Ok
Story2	P57	Comb10	26.423	2.220	82.833	41.417	0.027	Ok
Story2	P57	Comb11	19.994	3.778	84.976	42.488	0.044	Ok
Story2	P57	Comb12	19.994	3.778	84.976	42.488	0.044	Ok
Story2	P57	Comb13	19.994	3.778	84.976	42.488	0.044	Ok
Story2	P57	Comb14	19.994	3.778	84.976	42.488	0.044	Ok
Story2	P57	Comb15	20.877	1.751	84.682	42.341	0.021	Ok
Story2	P57	Comb16	20.877	1.751	84.682	42.341	0.021	Ok
Story2	P57	Comb17	20.877	1.751	84.682	42.341	0.021	Ok
Story2	P57	Comb18	20.877	1.751	84.682	42.341	0.021	Ok
Story2	P58	Comb3	7.584	0.147	21.231	10.615	0.007	Ok
Story2	P58	Comb4	7.584	0.147	21.231	10.615	0.007	Ok
Story2	P58	Comb5	7.584	0.147	21.231	10.615	0.007	Ok
Story2	P58	Comb6	7.584	0.147	21.231	10.615	0.007	Ok
Story2	P58	Comb7	7.731	0.109	21.182	10.591	0.005	Ok
Story2	P58	Comb8	7.731	0.109	21.182	10.591	0.005	Ok
Story2	P58	Comb9	7.731	0.109	21.182	10.591	0.005	Ok

Story2	P58	Comb10	6.673	0.104	21.534	10.767	0.005	Ok
Story2	P58	Comb11	5.387	0.062	21.963	10.982	0.003	Ok
Story2	P58	Comb12	5.387	0.062	21.963	10.982	0.003	Ok
Story2	P58	Comb13	5.387	0.062	21.963	10.982	0.003	Ok
Story2	P58	Comb14	5.387	0.062	21.963	10.982	0.003	Ok
Story2	P58	Comb15	5.534	0.100	21.914	10.957	0.005	Ok
Story2	P58	Comb16	5.534	0.100	21.914	10.957	0.005	Ok
Story2	P58	Comb17	5.534	0.100	21.914	10.957	0.005	Ok
Story2	P58	Comb18	5.534	0.100	21.914	10.957	0.005	Ok
Story2	P59	Comb3	64.245	28.839	151.685	75.842	0.190	Ok
Story2	P59	Comb4	64.245	28.839	151.685	75.842	0.190	Ok
Story2	P59	Comb5	64.245	28.839	151.685	75.842	0.190	Ok
Story2	P59	Comb6	64.245	28.839	151.685	75.842	0.190	Ok
Story2	P59	Comb7	60.870	19.098	152.810	76.405	0.125	Ok
Story2	P59	Comb8	60.870	19.098	152.810	76.405	0.125	Ok
Story2	P59	Comb9	60.870	19.098	152.810	76.405	0.125	Ok
Story2	P59	Comb10	52.594	19.217	155.568	77.784	0.124	Ok
Story2	P59	Comb11	46.374	29.849	157.642	78.821	0.189	Ok
Story2	P59	Comb12	46.374	29.849	157.642	78.821	0.189	Ok
Story2	P59	Comb13	46.374	29.849	157.642	78.821	0.189	Ok
Story2	P59	Comb14	46.374	29.849	157.642	78.821	0.189	Ok
Story2	P59	Comb15	42.999	20.108	158.767	79.383	0.127	Ok
Story2	P59	Comb16	42.999	20.108	158.767	79.383	0.127	Ok
Story2	P59	Comb17	42.999	20.108	158.767	79.383	0.127	Ok
Story2	P59	Comb18	42.999	20.108	158.767	79.383	0.127	Ok
Story2	P60	Comb3	45.344	11.920	96.891	48.445	0.123	Ok
Story2	P60	Comb4	45.344	11.920	96.891	48.445	0.123	Ok
Story2	P60	Comb5	45.344	11.920	96.891	48.445	0.123	Ok
Story2	P60	Comb6	45.344	11.920	96.891	48.445	0.123	Ok
Story2	P60	Comb7	51.758	8.650	94.753	47.377	0.091	Ok
Story2	P60	Comb8	51.758	8.650	94.753	47.377	0.091	Ok
Story2	P60	Comb9	51.758	8.650	94.753	47.377	0.091	Ok
Story2	P60	Comb10	46.035	8.774	96.661	48.330	0.091	Ok
Story2	P60	Comb11	31.850	12.341	101.389	50.695	0.122	Ok
Story2	P60	Comb12	31.850	12.341	101.389	50.695	0.122	Ok
Story2	P60	Comb13	31.850	12.341	101.389	50.695	0.122	Ok
Story2	P60	Comb14	31.850	12.341	101.389	50.695	0.122	Ok
Story2	P60	Comb15	38.264	9.071	99.251	49.626	0.091	Ok
Story2	P60	Comb16	38.264	9.071	99.251	49.626	0.091	Ok
Story2	P60	Comb17	38.264	9.071	99.251	49.626	0.091	Ok
Story2	P60	Comb18	38.264	9.071	99.251	49.626	0.091	Ok
Story2	P61	Comb3	15.048	2.771	39.107	19.554	0.071	Ok
Story2	P61	Comb4	15.048	2.771	39.107	19.554	0.071	Ok

Story2	P61	Comb5	15.048	2.771	39.107	19.554	0.071	Ok
Story2	P61	Comb6	15.048	2.771	39.107	19.554	0.071	Ok
Story2	P61	Comb7	14.800	1.827	39.190	19.595	0.047	Ok
Story2	P61	Comb8	14.800	1.827	39.190	19.595	0.047	Ok
Story2	P61	Comb9	14.800	1.827	39.190	19.595	0.047	Ok
Story2	P61	Comb10	12.730	1.848	39.880	19.940	0.046	Ok
Story2	P61	Comb11	10.398	2.943	40.657	20.329	0.072	Ok
Story2	P61	Comb12	10.398	2.943	40.657	20.329	0.072	Ok
Story2	P61	Comb13	10.398	2.943	40.657	20.329	0.072	Ok
Story2	P61	Comb14	10.398	2.943	40.657	20.329	0.072	Ok
Story2	P61	Comb15	10.150	1.999	40.740	20.370	0.049	Ok
Story2	P61	Comb16	10.150	1.999	40.740	20.370	0.049	Ok
Story2	P61	Comb17	10.150	1.999	40.740	20.370	0.049	Ok
Story2	P61	Comb18	10.150	1.999	40.740	20.370	0.049	Ok
Story2	P62	Comb3	15.353	3.569	32.217	16.109	0.111	Ok
Story2	P62	Comb4	15.353	3.569	32.217	16.109	0.111	Ok
Story2	P62	Comb5	15.353	3.569	32.217	16.109	0.111	Ok
Story2	P62	Comb6	15.353	3.569	32.217	16.109	0.111	Ok
Story2	P62	Comb7	15.466	2.888	32.180	16.090	0.090	Ok
Story2	P62	Comb8	15.466	2.888	32.180	16.090	0.090	Ok
Story2	P62	Comb9	15.466	2.888	32.180	16.090	0.090	Ok
Story2	P62	Comb10	13.502	2.816	32.835	16.417	0.086	Ok
Story2	P62	Comb11	10.346	2.997	33.886	16.943	0.088	Ok
Story2	P62	Comb12	10.346	2.997	33.886	16.943	0.088	Ok
Story2	P62	Comb13	10.346	2.997	33.886	16.943	0.088	Ok
Story2	P62	Comb14	10.346	2.997	33.886	16.943	0.088	Ok
Story2	P62	Comb15	10.459	2.317	33.849	16.924	0.068	Ok
Story2	P62	Comb16	10.459	2.317	33.849	16.924	0.068	Ok
Story2	P62	Comb17	10.459	2.317	33.849	16.924	0.068	Ok
Story2	P62	Comb18	10.459	2.317	33.849	16.924	0.068	Ok
Story2	P63	Comb3	21.911	5.738	60.579	30.289	0.095	Ok
Story2	P63	Comb4	21.911	5.738	60.579	30.289	0.095	Ok
Story2	P63	Comb5	21.911	5.738	60.579	30.289	0.095	Ok
Story2	P63	Comb6	21.911	5.738	60.579	30.289	0.095	Ok
Story2	P63	Comb7	21.164	4.294	60.827	30.414	0.071	Ok
Story2	P63	Comb8	21.164	4.294	60.827	30.414	0.071	Ok
Story2	P63	Comb9	21.164	4.294	60.827	30.414	0.071	Ok
Story2	P63	Comb10	18.118	4.339	61.843	30.921	0.070	Ok
Story2	P63	Comb11	16.069	5.672	62.526	31.263	0.091	Ok
Story2	P63	Comb12	16.069	5.672	62.526	31.263	0.091	Ok
Story2	P63	Comb13	16.069	5.672	62.526	31.263	0.091	Ok
Story2	P63	Comb14	16.069	5.672	62.526	31.263	0.091	Ok
Story2	P63	Comb15	15.322	4.228	62.775	31.387	0.067	Ok

Story2	P63	Comb16	15.322	4.228	62.775	31.387	0.067	Ok
Story2	P63	Comb17	15.322	4.228	62.775	31.387	0.067	Ok
Story2	P63	Comb18	15.322	4.228	62.775	31.387	0.067	Ok
Story2	P64	Comb3	36.793	13.075	59.012	29.506	0.222	Ok
Story2	P64	Comb4	36.793	13.075	59.012	29.506	0.222	Ok
Story2	P64	Comb5	36.793	13.075	59.012	29.506	0.222	Ok
Story2	P64	Comb6	36.793	13.075	59.012	29.506	0.222	Ok
Story2	P64	Comb7	40.184	15.393	57.882	28.941	0.266	Ok
Story2	P64	Comb8	40.184	15.393	57.882	28.941	0.266	Ok
Story2	P64	Comb9	40.184	15.393	57.882	28.941	0.266	Ok
Story2	P64	Comb10	35.991	14.913	59.279	29.640	0.252	Ok
Story2	P64	Comb11	24.277	10.354	63.184	31.592	0.164	Ok
Story2	P64	Comb12	24.277	10.354	63.184	31.592	0.164	Ok
Story2	P64	Comb13	24.277	10.354	63.184	31.592	0.164	Ok
Story2	P64	Comb14	24.277	10.354	63.184	31.592	0.164	Ok
Story2	P64	Comb15	27.669	12.673	62.053	31.027	0.204	Ok
Story2	P64	Comb16	27.669	12.673	62.053	31.027	0.204	Ok
Story2	P64	Comb17	27.669	12.673	62.053	31.027	0.204	Ok
Story2	P64	Comb18	27.669	12.673	62.053	31.027	0.204	Ok
Story2	P65	Comb3	22.012	6.942	53.757	26.878	0.129	Ok
Story2	P65	Comb4	22.012	6.942	53.757	26.878	0.129	Ok
Story2	P65	Comb5	22.012	6.942	53.757	26.878	0.129	Ok
Story2	P65	Comb6	22.012	6.942	53.757	26.878	0.129	Ok
Story2	P65	Comb7	23.422	6.342	53.287	26.643	0.119	Ok
Story2	P65	Comb8	23.422	6.342	53.287	26.643	0.119	Ok
Story2	P65	Comb9	23.422	6.342	53.287	26.643	0.119	Ok
Story2	P65	Comb10	20.930	6.069	54.117	27.059	0.112	Ok
Story2	P65	Comb11	18.143	5.986	55.046	27.523	0.109	Ok
Story2	P65	Comb12	18.143	5.986	55.046	27.523	0.109	Ok
Story2	P65	Comb13	18.143	5.986	55.046	27.523	0.109	Ok
Story2	P65	Comb14	18.143	5.986	55.046	27.523	0.109	Ok
Story2	P65	Comb15	19.553	5.386	54.576	27.288	0.099	Ok
Story2	P65	Comb16	19.553	5.386	54.576	27.288	0.099	Ok
Story2	P65	Comb17	19.553	5.386	54.576	27.288	0.099	Ok
Story2	P65	Comb18	19.553	5.386	54.576	27.288	0.099	Ok
Story2	P66	Comb3	13.153	2.274	26.163	13.081	0.087	Ok
Story2	P66	Comb4	13.153	2.274	26.163	13.081	0.087	Ok
Story2	P66	Comb5	13.153	2.274	26.163	13.081	0.087	Ok
Story2	P66	Comb6	13.153	2.274	26.163	13.081	0.087	Ok
Story2	P66	Comb7	13.031	1.867	26.203	13.102	0.071	Ok
Story2	P66	Comb8	13.031	1.867	26.203	13.102	0.071	Ok
Story2	P66	Comb9	13.031	1.867	26.203	13.102	0.071	Ok
Story2	P66	Comb10	11.540	1.799	26.701	13.350	0.067	Ok

Story2	P66	Comb11	8.303	1.637	27.779	13.890	0.059	Ok
Story2	P66	Comb12	8.303	1.637	27.779	13.890	0.059	Ok
Story2	P66	Comb13	8.303	1.637	27.779	13.890	0.059	Ok
Story2	P66	Comb14	8.303	1.637	27.779	13.890	0.059	Ok
Story2	P66	Comb15	8.181	1.230	27.820	13.910	0.044	Ok
Story2	P66	Comb16	8.181	1.230	27.820	13.910	0.044	Ok
Story2	P66	Comb17	8.181	1.230	27.820	13.910	0.044	Ok
Story2	P66	Comb18	8.181	1.230	27.820	13.910	0.044	Ok
Story2	P67	Comb3	9.024	2.041	27.539	13.770	0.074	Ok
Story2	P67	Comb4	9.024	2.041	27.539	13.770	0.074	Ok
Story2	P67	Comb5	9.024	2.041	27.539	13.770	0.074	Ok
Story2	P67	Comb6	9.024	2.041	27.539	13.770	0.074	Ok
Story2	P67	Comb7	9.051	1.307	27.530	13.765	0.047	Ok
Story2	P67	Comb8	9.051	1.307	27.530	13.765	0.047	Ok
Story2	P67	Comb9	9.051	1.307	27.530	13.765	0.047	Ok
Story2	P67	Comb10	7.713	1.311	27.976	13.988	0.047	Ok
Story2	P67	Comb11	6.462	2.191	28.393	14.197	0.077	Ok
Story2	P67	Comb12	6.462	2.191	28.393	14.197	0.077	Ok
Story2	P67	Comb13	6.462	2.191	28.393	14.197	0.077	Ok
Story2	P67	Comb14	6.462	2.191	28.393	14.197	0.077	Ok
Story2	P67	Comb15	6.489	1.456	28.384	14.192	0.051	Ok
Story2	P67	Comb16	6.489	1.456	28.384	14.192	0.051	Ok
Story2	P67	Comb17	6.489	1.456	28.384	14.192	0.051	Ok
Story2	P67	Comb18	6.489	1.456	28.384	14.192	0.051	Ok
Story2	P68	Comb3	11.839	3.131	26.601	13.300	0.118	Ok
Story2	P68	Comb4	11.839	3.131	26.601	13.300	0.118	Ok
Story2	P68	Comb5	11.839	3.131	26.601	13.300	0.118	Ok
Story2	P68	Comb6	11.839	3.131	26.601	13.300	0.118	Ok
Story2	P68	Comb7	12.423	2.553	26.406	13.203	0.097	Ok
Story2	P68	Comb8	12.423	2.553	26.406	13.203	0.097	Ok
Story2	P68	Comb9	12.423	2.553	26.406	13.203	0.097	Ok
Story2	P68	Comb10	11.005	2.573	26.879	13.439	0.096	Ok
Story2	P68	Comb11	7.791	2.895	27.950	13.975	0.104	Ok
Story2	P68	Comb12	7.791	2.895	27.950	13.975	0.104	Ok
Story2	P68	Comb13	7.791	2.895	27.950	13.975	0.104	Ok
Story2	P68	Comb14	7.791	2.895	27.950	13.975	0.104	Ok
Story2	P68	Comb15	8.375	2.317	27.755	13.878	0.083	Ok
Story2	P68	Comb16	8.375	2.317	27.755	13.878	0.083	Ok
Story2	P68	Comb17	8.375	2.317	27.755	13.878	0.083	Ok
Story2	P68	Comb18	8.375	2.317	27.755	13.878	0.083	Ok
Story2	P69	Comb3	32.194	8.602	74.121	37.061	0.116	Ok
Story2	P69	Comb4	32.194	8.602	74.121	37.061	0.116	Ok
Story2	P69	Comb5	32.194	8.602	74.121	37.061	0.116	Ok

Story2	P69	Comb6	32.194	8.602	74.121	37.061	0.116	Ok
Story2	P69	Comb7	37.234	7.020	72.441	36.221	0.097	Ok
Story2	P69	Comb8	37.234	7.020	72.441	36.221	0.097	Ok
Story2	P69	Comb9	37.234	7.020	72.441	36.221	0.097	Ok
Story2	P69	Comb10	33.053	6.964	73.835	36.918	0.094	Ok
Story2	P69	Comb11	23.055	8.579	77.168	38.584	0.111	Ok
Story2	P69	Comb12	23.055	8.579	77.168	38.584	0.111	Ok
Story2	P69	Comb13	23.055	8.579	77.168	38.584	0.111	Ok
Story2	P69	Comb14	23.055	8.579	77.168	38.584	0.111	Ok
Story2	P69	Comb15	28.095	6.996	75.488	37.744	0.093	Ok
Story2	P69	Comb16	28.095	6.996	75.488	37.744	0.093	Ok
Story2	P69	Comb17	28.095	6.996	75.488	37.744	0.093	Ok
Story2	P69	Comb18	28.095	6.996	75.488	37.744	0.093	Ok
Story2	P70	Comb3	12.089	1.936	26.517	13.259	0.073	Ok
Story2	P70	Comb4	12.089	1.936	26.517	13.259	0.073	Ok
Story2	P70	Comb5	12.089	1.936	26.517	13.259	0.073	Ok
Story2	P70	Comb6	12.089	1.936	26.517	13.259	0.073	Ok
Story2	P70	Comb7	11.699	1.476	26.647	13.324	0.055	Ok
Story2	P70	Comb8	11.699	1.476	26.647	13.324	0.055	Ok
Story2	P70	Comb9	11.699	1.476	26.647	13.324	0.055	Ok
Story2	P70	Comb10	10.226	1.500	27.138	13.569	0.055	Ok
Story2	P70	Comb11	7.926	2.300	27.905	13.953	0.082	Ok
Story2	P70	Comb12	7.926	2.300	27.905	13.953	0.082	Ok
Story2	P70	Comb13	7.926	2.300	27.905	13.953	0.082	Ok
Story2	P70	Comb14	7.926	2.300	27.905	13.953	0.082	Ok
Story2	P70	Comb15	7.536	1.840	28.035	14.018	0.066	Ok
Story2	P70	Comb16	7.536	1.840	28.035	14.018	0.066	Ok
Story2	P70	Comb17	7.536	1.840	28.035	14.018	0.066	Ok
Story2	P70	Comb18	7.536	1.840	28.035	14.018	0.066	Ok
Story2	P71	Comb3	9.274	1.985	27.456	13.728	0.072	Ok
Story2	P71	Comb4	9.274	1.985	27.456	13.728	0.072	Ok
Story2	P71	Comb5	9.274	1.985	27.456	13.728	0.072	Ok
Story2	P71	Comb6	9.274	1.985	27.456	13.728	0.072	Ok
Story2	P71	Comb7	9.902	1.637	27.246	13.623	0.060	Ok
Story2	P71	Comb8	9.902	1.637	27.246	13.623	0.060	Ok
Story2	P71	Comb9	9.902	1.637	27.246	13.623	0.060	Ok
Story2	P71	Comb10	8.533	1.620	27.703	13.851	0.058	Ok
Story2	P71	Comb11	6.624	1.846	28.339	14.170	0.065	Ok
Story2	P71	Comb12	6.624	1.846	28.339	14.170	0.065	Ok
Story2	P71	Comb13	6.624	1.846	28.339	14.170	0.065	Ok
Story2	P71	Comb14	6.624	1.846	28.339	14.170	0.065	Ok
Story2	P71	Comb15	7.252	1.498	28.130	14.065	0.053	Ok
Story2	P71	Comb16	7.252	1.498	28.130	14.065	0.053	Ok

Story2	P71	Comb17	7.252	1.498	28.130	14.065	0.053	Ok
Story2	P71	Comb18	7.252	1.498	28.130	14.065	0.053	Ok
Story2	P72	Comb3	11.399	0.899	26.748	13.374	0.034	Ok
Story2	P72	Comb4	11.399	0.899	26.748	13.374	0.034	Ok
Story2	P72	Comb5	11.399	0.899	26.748	13.374	0.034	Ok
Story2	P72	Comb6	11.399	0.899	26.748	13.374	0.034	Ok
Story2	P72	Comb7	11.878	0.491	26.588	13.294	0.018	Ok
Story2	P72	Comb8	11.878	0.491	26.588	13.294	0.018	Ok
Story2	P72	Comb9	11.878	0.491	26.588	13.294	0.018	Ok
Story2	P72	Comb10	10.515	0.630	27.042	13.521	0.023	Ok
Story2	P72	Comb11	7.367	1.576	28.091	14.046	0.056	Ok
Story2	P72	Comb12	7.367	1.576	28.091	14.046	0.056	Ok
Story2	P72	Comb13	7.367	1.576	28.091	14.046	0.056	Ok
Story2	P72	Comb14	7.367	1.576	28.091	14.046	0.056	Ok
Story2	P72	Comb15	7.847	1.168	27.931	13.966	0.042	Ok
Story2	P72	Comb16	7.847	1.168	27.931	13.966	0.042	Ok
Story2	P72	Comb17	7.847	1.168	27.931	13.966	0.042	Ok
Story2	P72	Comb18	7.847	1.168	27.931	13.966	0.042	Ok
Story2	P73	Comb3	21.989	3.979	50.370	25.185	0.079	Ok
Story2	P73	Comb4	21.989	3.979	50.370	25.185	0.079	Ok
Story2	P73	Comb5	21.989	3.979	50.370	25.185	0.079	Ok
Story2	P73	Comb6	21.989	3.979	50.370	25.185	0.079	Ok
Story2	P73	Comb7	22.668	3.333	50.144	25.072	0.066	Ok
Story2	P73	Comb8	22.668	3.333	50.144	25.072	0.066	Ok
Story2	P73	Comb9	22.668	3.333	50.144	25.072	0.066	Ok
Story2	P73	Comb10	19.859	3.409	51.080	25.540	0.067	Ok
Story2	P73	Comb11	14.820	3.771	52.760	26.380	0.071	Ok
Story2	P73	Comb12	14.820	3.771	52.760	26.380	0.071	Ok
Story2	P73	Comb13	14.820	3.771	52.760	26.380	0.071	Ok
Story2	P73	Comb14	14.820	3.771	52.760	26.380	0.071	Ok
Story2	P73	Comb15	15.500	3.124	52.533	26.267	0.059	Ok
Story2	P73	Comb16	15.500	3.124	52.533	26.267	0.059	Ok
Story2	P73	Comb17	15.500	3.124	52.533	26.267	0.059	Ok
Story2	P73	Comb18	15.500	3.124	52.533	26.267	0.059	Ok
Story2	P74	Comb3	14.953	3.052	35.745	17.872	0.085	Ok
Story2	P74	Comb4	14.953	3.052	35.745	17.872	0.085	Ok
Story2	P74	Comb5	14.953	3.052	35.745	17.872	0.085	Ok
Story2	P74	Comb6	14.953	3.052	35.745	17.872	0.085	Ok
Story2	P74	Comb7	16.769	4.712	35.140	17.570	0.134	Ok
Story2	P74	Comb8	16.769	4.712	35.140	17.570	0.134	Ok
Story2	P74	Comb9	16.769	4.712	35.140	17.570	0.134	Ok
Story2	P74	Comb10	14.902	4.720	35.762	17.881	0.132	Ok
Story2	P74	Comb11	11.170	3.396	37.006	18.503	0.092	Ok

Story2	P74	Comb12	11.170	3.396	37.006	18.503	0.092	Ok
Story2	P74	Comb13	11.170	3.396	37.006	18.503	0.092	Ok
Story2	P74	Comb14	11.170	3.396	37.006	18.503	0.092	Ok
Story2	P74	Comb15	12.985	5.056	36.401	18.201	0.139	Ok
Story2	P74	Comb16	12.985	5.056	36.401	18.201	0.139	Ok
Story2	P74	Comb17	12.985	5.056	36.401	18.201	0.139	Ok
Story2	P74	Comb18	12.985	5.056	36.401	18.201	0.139	Ok
Story1	P01	Comb3	27.482	8.877	24.780	12.390	0.358	Ok
Story1	P01	Comb4	27.482	8.877	11.204	5.602	0.792	Ok
Story1	P01	Comb5	27.482	8.877	11.204	5.602	0.792	Ok
Story1	P01	Comb6	27.482	8.877	11.204	5.602	0.792	Ok
Story1	P01	Comb7	22.052	9.214	13.014	6.507	0.708	Ok
Story1	P01	Comb8	22.052	9.214	13.014	6.507	0.708	Ok
Story1	P01	Comb9	22.052	9.214	13.014	6.507	0.708	Ok
Story1	P01	Comb10	19.974	9.044	13.707	6.853	0.660	Ok
Story1	P01	Comb11	23.395	8.268	12.566	6.283	0.658	Ok
Story1	P01	Comb12	23.395	8.268	12.566	6.283	0.658	Ok
Story1	P01	Comb13	23.395	8.268	12.566	6.283	0.658	Ok
Story1	P01	Comb14	23.395	8.268	12.566	6.283	0.658	Ok
Story1	P01	Comb15	17.964	8.605	14.377	7.188	0.599	Ok
Story1	P01	Comb16	17.964	8.605	14.377	7.188	0.599	Ok
Story1	P01	Comb17	17.964	8.605	14.377	7.188	0.599	Ok
Story1	P01	Comb18	17.964	8.605	14.377	7.188	0.599	Ok
Story1	P02	Comb3	10.311	3.810	10.140	5.070	0.376	Ok
Story1	P02	Comb4	10.311	3.810	10.140	5.070	0.376	Ok
Story1	P02	Comb5	10.311	3.810	10.140	5.070	0.376	Ok
Story1	P02	Comb6	10.311	3.810	10.140	5.070	0.376	Ok
Story1	P02	Comb7	9.976	4.273	10.251	5.126	0.417	Ok
Story1	P02	Comb8	9.976	4.273	10.251	5.126	0.417	Ok
Story1	P02	Comb9	9.976	4.273	10.251	5.126	0.417	Ok
Story1	P02	Comb10	8.801	4.298	10.643	5.321	0.404	Ok
Story1	P02	Comb11	8.111	3.820	10.873	5.436	0.351	Ok
Story1	P02	Comb12	8.111	3.820	10.873	5.436	0.351	Ok
Story1	P02	Comb13	8.111	3.820	10.873	5.436	0.351	Ok
Story1	P02	Comb14	8.111	3.820	10.873	5.436	0.351	Ok
Story1	P02	Comb15	7.776	4.282	10.984	5.492	0.390	Ok
Story1	P02	Comb16	7.776	4.282	10.984	5.492	0.390	Ok
Story1	P02	Comb17	7.776	4.282	10.984	5.492	0.390	Ok
Story1	P02	Comb18	7.776	4.282	10.984	5.492	0.390	Ok
Story1	P03	Comb3	24.048	9.051	22.531	11.266	0.402	Ok
Story1	P03	Comb4	24.048	9.051	22.531	11.266	0.402	Ok
Story1	P03	Comb5	24.048	9.051	22.531	11.266	0.402	Ok
Story1	P03	Comb6	24.048	9.051	22.531	11.266	0.402	Ok

Story1	P03	Comb7	23.355	10.306	22.762	11.381	0.453	Ok
Story1	P03	Comb8	23.355	10.306	22.762	11.381	0.453	Ok
Story1	P03	Comb9	23.355	10.306	22.762	11.381	0.453	Ok
Story1	P03	Comb10	19.932	10.306	23.903	11.952	0.431	Ok
Story1	P03	Comb11	16.916	8.967	24.908	12.454	0.360	Ok
Story1	P03	Comb12	16.916	8.967	24.908	12.454	0.360	Ok
Story1	P03	Comb13	16.916	8.967	24.908	12.454	0.360	Ok
Story1	P03	Comb14	16.916	8.967	24.908	12.454	0.360	Ok
Story1	P03	Comb15	16.223	10.221	25.139	12.570	0.407	Ok
Story1	P03	Comb16	16.223	10.221	25.139	12.570	0.407	Ok
Story1	P03	Comb17	16.223	10.221	25.139	12.570	0.407	Ok
Story1	P03	Comb18	16.223	10.221	25.139	12.570	0.407	Ok
Story1	P04	Comb3	78.447	24.327	96.039	48.020	0.253	Ok
Story1	P04	Comb4	78.447	24.327	96.039	48.020	0.253	Ok
Story1	P04	Comb5	78.447	24.327	96.039	48.020	0.253	Ok
Story1	P04	Comb6	78.447	24.327	96.039	48.020	0.253	Ok
Story1	P04	Comb7	68.025	28.398	99.513	49.757	0.285	Ok
Story1	P04	Comb8	68.025	28.398	99.513	49.757	0.285	Ok
Story1	P04	Comb9	68.025	28.398	99.513	49.757	0.285	Ok
Story1	P04	Comb10	60.004	28.423	102.187	51.093	0.278	Ok
Story1	P04	Comb11	63.559	24.641	101.002	50.501	0.244	Ok
Story1	P04	Comb12	63.559	24.641	101.002	50.501	0.244	Ok
Story1	P04	Comb13	63.559	24.641	101.002	50.501	0.244	Ok
Story1	P04	Comb14	63.559	24.641	101.002	50.501	0.244	Ok
Story1	P04	Comb15	53.137	28.711	104.476	52.238	0.275	Ok
Story1	P04	Comb16	53.137	28.711	104.476	52.238	0.275	Ok
Story1	P04	Comb17	53.137	28.711	104.476	52.238	0.275	Ok
Story1	P04	Comb18	53.137	28.711	104.476	52.238	0.275	Ok
Story1	P05	Comb3	335.591	93.763	169.848	84.924	0.552	Ok
Story1	P05	Comb4	335.591	93.763	169.848	84.924	0.552	Ok
Story1	P05	Comb5	335.591	93.763	169.848	84.924	0.552	Ok
Story1	P05	Comb6	335.591	93.763	169.848	84.924	0.552	Ok
Story1	P05	Comb7	314.722	124.461	176.804	88.402	0.704	Ok
Story1	P05	Comb8	314.722	124.461	176.804	88.402	0.704	Ok
Story1	P05	Comb9	314.722	124.461	176.804	88.402	0.704	Ok
Story1	P05	Comb10	274.004	124.469	190.377	95.188	0.654	Ok
Story1	P05	Comb11	233.053	93.698	204.027	102.014	0.459	Ok
Story1	P05	Comb12	233.053	93.698	204.027	102.014	0.459	Ok
Story1	P05	Comb13	233.053	93.698	204.027	102.014	0.459	Ok
Story1	P05	Comb14	233.053	93.698	204.027	102.014	0.459	Ok
Story1	P05	Comb15	212.184	124.396	210.984	105.492	0.590	Ok
Story1	P05	Comb16	212.184	124.396	210.984	105.492	0.590	Ok
Story1	P05	Comb17	212.184	124.396	210.984	105.492	0.590	Ok

Story1	P05	Comb18	212.184	124.396	210.984	105.492	0.590	Ok
Story1	P06	Comb3	312.850	49.906	177.428	88.714	0.281	Ok
Story1	P06	Comb4	312.850	49.906	177.428	88.714	0.281	Ok
Story1	P06	Comb5	312.850	49.906	177.428	88.714	0.281	Ok
Story1	P06	Comb6	312.850	49.906	177.428	88.714	0.281	Ok
Story1	P06	Comb7	309.085	96.001	178.683	89.341	0.537	Ok
Story1	P06	Comb8	309.085	96.001	178.683	89.341	0.537	Ok
Story1	P06	Comb9	309.085	96.001	178.683	89.341	0.537	Ok
Story1	P06	Comb10	266.755	95.974	192.793	96.396	0.498	Ok
Story1	P06	Comb11	207.331	50.141	212.601	106.301	0.236	Ok
Story1	P06	Comb12	207.331	50.141	212.601	106.301	0.236	Ok
Story1	P06	Comb13	207.331	50.141	212.601	106.301	0.236	Ok
Story1	P06	Comb14	207.331	50.141	212.601	106.301	0.236	Ok
Story1	P06	Comb15	203.566	96.236	213.856	106.928	0.450	Ok
Story1	P06	Comb16	203.566	96.236	213.856	106.928	0.450	Ok
Story1	P06	Comb17	203.566	96.236	213.856	106.928	0.450	Ok
Story1	P06	Comb18	203.566	96.236	213.856	106.928	0.450	Ok
Story1	P07	Comb3	156.109	18.695	90.516	45.258	0.207	Ok
Story1	P07	Comb4	156.109	18.695	90.516	45.258	0.207	Ok
Story1	P07	Comb5	156.109	18.695	90.516	45.258	0.207	Ok
Story1	P07	Comb6	156.109	18.695	90.516	45.258	0.207	Ok
Story1	P07	Comb7	166.153	45.510	87.168	43.584	0.522	Ok
Story1	P07	Comb8	166.153	45.510	87.168	43.584	0.522	Ok
Story1	P07	Comb9	166.153	45.510	87.168	43.584	0.522	Ok
Story1	P07	Comb10	145.491	45.695	94.056	47.028	0.486	Ok
Story1	P07	Comb11	99.458	19.591	109.400	54.700	0.179	Ok
Story1	P07	Comb12	99.458	19.591	109.400	54.700	0.179	Ok
Story1	P07	Comb13	99.458	19.591	109.400	54.700	0.179	Ok
Story1	P07	Comb14	99.458	19.591	109.400	54.700	0.179	Ok
Story1	P07	Comb15	109.502	46.406	106.052	53.026	0.438	Ok
Story1	P07	Comb16	109.502	46.406	106.052	53.026	0.438	Ok
Story1	P07	Comb17	109.502	46.406	106.052	53.026	0.438	Ok
Story1	P07	Comb18	109.502	46.406	106.052	53.026	0.438	Ok
Story1	P08	Comb3	121.560	16.617	68.092	34.046	0.244	Ok
Story1	P08	Comb4	121.560	16.617	68.092	34.046	0.244	Ok
Story1	P08	Comb5	121.560	16.617	68.092	34.046	0.244	Ok
Story1	P08	Comb6	121.560	16.617	68.092	34.046	0.244	Ok
Story1	P08	Comb7	103.988	38.400	73.949	36.974	0.519	Ok
Story1	P08	Comb8	103.988	38.400	73.949	36.974	0.519	Ok
Story1	P08	Comb9	103.988	38.400	73.949	36.974	0.519	Ok
Story1	P08	Comb10	91.244	38.242	78.197	39.099	0.489	Ok
Story1	P08	Comb11	93.067	16.237	77.589	38.795	0.209	Ok
Story1	P08	Comb12	93.067	16.237	77.589	38.795	0.209	Ok

Story1	P08	Comb13	93.067	16.237	77.589	38.795	0.209	Ok
Story1	P08	Comb14	93.067	16.237	77.589	38.795	0.209	Ok
Story1	P08	Comb15	75.495	38.019	83.447	41.723	0.456	Ok
Story1	P08	Comb16	75.495	38.019	83.447	41.723	0.456	Ok
Story1	P08	Comb17	75.495	38.019	83.447	41.723	0.456	Ok
Story1	P08	Comb18	75.495	38.019	83.447	41.723	0.456	Ok
Story1	P09	Comb3	461.227	81.951	375.739	187.870	0.218	Ok
Story1	P09	Comb4	461.227	81.951	375.739	187.870	0.218	Ok
Story1	P09	Comb5	461.227	81.951	375.739	187.870	0.218	Ok
Story1	P09	Comb6	461.227	81.951	375.739	187.870	0.218	Ok
Story1	P09	Comb7	469.254	177.477	373.063	186.532	0.476	Ok
Story1	P09	Comb8	469.254	177.477	373.063	186.532	0.476	Ok
Story1	P09	Comb9	469.254	177.477	373.063	186.532	0.476	Ok
Story1	P09	Comb10	405.928	177.356	394.172	197.086	0.450	Ok
Story1	P09	Comb11	315.644	81.409	424.267	212.133	0.192	Ok
Story1	P09	Comb12	315.644	81.409	424.267	212.133	0.192	Ok
Story1	P09	Comb13	315.644	81.409	424.267	212.133	0.192	Ok
Story1	P09	Comb14	315.644	81.409	424.267	212.133	0.192	Ok
Story1	P09	Comb15	323.671	176.935	421.591	210.796	0.420	Ok
Story1	P09	Comb16	323.671	176.935	421.591	210.796	0.420	Ok
Story1	P09	Comb17	323.671	176.935	421.591	210.796	0.420	Ok
Story1	P09	Comb18	323.671	176.935	421.591	210.796	0.420	Ok
Story1	P10	Comb3	92.403	28.144	50.658	25.329	0.556	Ok
Story1	P10	Comb4	92.403	28.144	50.658	25.329	0.556	Ok
Story1	P10	Comb5	92.403	28.144	50.658	25.329	0.556	Ok
Story1	P10	Comb6	92.403	28.144	50.658	25.329	0.556	Ok
Story1	P10	Comb7	91.480	30.316	50.965	25.483	0.595	Ok
Story1	P10	Comb8	91.480	30.316	50.965	25.483	0.595	Ok
Story1	P10	Comb9	91.480	30.316	50.965	25.483	0.595	Ok
Story1	P10	Comb10	79.241	30.187	55.045	27.523	0.548	Ok
Story1	P10	Comb11	60.767	27.806	61.203	30.601	0.454	Ok
Story1	P10	Comb12	60.767	27.806	61.203	30.601	0.454	Ok
Story1	P10	Comb13	60.767	27.806	61.203	30.601	0.454	Ok
Story1	P10	Comb14	60.767	27.806	61.203	30.601	0.454	Ok
Story1	P10	Comb15	59.845	60.294	61.511	30.755	0.980	Ok
Story1	P10	Comb16	59.845	60.294	61.511	30.755	0.980	Ok
Story1	P10	Comb17	59.845	60.294	61.511	30.755	0.980	Ok
Story1	P10	Comb18	59.845	60.294	61.511	30.755	0.980	Ok
Story1	P11	Comb3	61.438	19.971	37.220	18.610	0.537	Ok
Story1	P11	Comb4	61.438	19.971	37.220	18.610	0.537	Ok
Story1	P11	Comb5	61.438	19.971	37.220	18.610	0.537	Ok
Story1	P11	Comb6	61.438	19.971	37.220	18.610	0.537	Ok
Story1	P11	Comb7	66.270	20.792	35.610	17.805	0.584	Ok

Story1	P11	Comb8	66.270	20.792	35.610	17.805	0.584	Ok
Story1	P11	Comb9	66.270	20.792	35.610	17.805	0.584	Ok
Story1	P11	Comb10	57.838	20.571	38.421	19.210	0.535	Ok
Story1	P11	Comb11	41.004	18.360	44.032	22.016	0.417	Ok
Story1	P11	Comb12	41.004	18.360	44.032	22.016	0.417	Ok
Story1	P11	Comb13	41.004	18.360	44.032	22.016	0.417	Ok
Story1	P11	Comb14	41.004	18.360	44.032	22.016	0.417	Ok
Story1	P11	Comb15	45.836	39.974	42.421	21.211	0.942	Ok
Story1	P11	Comb16	45.836	39.974	42.421	21.211	0.942	Ok
Story1	P11	Comb17	45.836	39.974	42.421	21.211	0.942	Ok
Story1	P11	Comb18	45.836	39.974	42.421	21.211	0.942	Ok
Story1	P12	Comb3	43.628	15.090	36.369	18.185	0.415	Ok
Story1	P12	Comb4	43.628	15.090	36.369	18.185	0.415	Ok
Story1	P12	Comb5	43.628	15.090	36.369	18.185	0.415	Ok
Story1	P12	Comb6	43.628	15.090	36.369	18.185	0.415	Ok
Story1	P12	Comb7	43.696	34.854	36.346	18.173	0.959	Ok
Story1	P12	Comb8	43.696	34.854	36.346	18.173	0.959	Ok
Story1	P12	Comb9	43.696	34.854	36.346	18.173	0.959	Ok
Story1	P12	Comb10	37.308	34.746	38.476	19.238	0.903	Ok
Story1	P12	Comb11	28.987	14.755	41.249	20.625	0.358	Ok
Story1	P12	Comb12	28.987	14.755	41.249	20.625	0.358	Ok
Story1	P12	Comb13	28.987	14.755	41.249	20.625	0.358	Ok
Story1	P12	Comb14	28.987	14.755	41.249	20.625	0.358	Ok
Story1	P12	Comb15	29.056	34.519	41.227	20.613	0.837	Ok
Story1	P12	Comb16	29.056	34.519	41.227	20.613	0.837	Ok
Story1	P12	Comb17	29.056	34.519	41.227	20.613	0.837	Ok
Story1	P12	Comb18	29.056	34.519	41.227	20.613	0.837	Ok
Story1	P13	Comb3	18.442	3.210	14.217	7.109	0.226	Ok
Story1	P13	Comb4	18.442	3.210	14.217	7.109	0.226	Ok
Story1	P13	Comb5	18.442	3.210	14.217	7.109	0.226	Ok
Story1	P13	Comb6	18.442	3.210	14.217	7.109	0.226	Ok
Story1	P13	Comb7	21.009	9.316	13.362	6.681	0.697	Ok
Story1	P13	Comb8	21.009	9.316	13.362	6.681	0.697	Ok
Story1	P13	Comb9	21.009	9.316	13.362	6.681	0.697	Ok
Story1	P13	Comb10	18.581	9.476	14.171	7.085	0.669	Ok
Story1	P13	Comb11	12.635	3.764	16.153	8.076	0.233	Ok
Story1	P13	Comb12	12.635	3.764	16.153	8.076	0.233	Ok
Story1	P13	Comb13	12.635	3.764	16.153	8.076	0.233	Ok
Story1	P13	Comb14	12.635	3.764	16.153	8.076	0.233	Ok
Story1	P13	Comb15	15.202	9.870	15.297	7.649	0.645	Ok
Story1	P13	Comb16	15.202	9.870	15.297	7.649	0.645	Ok
Story1	P13	Comb17	15.202	9.870	15.297	7.649	0.645	Ok
Story1	P13	Comb18	15.202	9.870	15.297	7.649	0.645	Ok

Story1	P14	Comb3	19.716	3.648	10.399	5.199	0.351	Ok
Story1	P14	Comb4	19.716	3.648	10.399	5.199	0.351	Ok
Story1	P14	Comb5	19.716	3.648	10.399	5.199	0.351	Ok
Story1	P14	Comb6	19.716	3.648	10.399	5.199	0.351	Ok
Story1	P14	Comb7	19.994	8.467	10.306	5.153	0.822	Ok
Story1	P14	Comb8	19.994	8.467	10.306	5.153	0.822	Ok
Story1	P14	Comb9	19.994	8.467	10.306	5.153	0.822	Ok
Story1	P14	Comb10	17.264	8.441	11.216	5.608	0.753	Ok
Story1	P14	Comb11	13.039	3.562	12.624	6.312	0.282	Ok
Story1	P14	Comb12	13.039	3.562	12.624	6.312	0.282	Ok
Story1	P14	Comb13	13.039	3.562	12.624	6.312	0.282	Ok
Story1	P14	Comb14	13.039	3.562	12.624	6.312	0.282	Ok
Story1	P14	Comb15	13.317	8.381	12.532	6.266	0.669	Ok
Story1	P14	Comb16	13.317	8.381	12.532	6.266	0.669	Ok
Story1	P14	Comb17	13.317	8.381	12.532	6.266	0.669	Ok
Story1	P14	Comb18	13.317	8.381	12.532	6.266	0.669	Ok
Story1	P15	Comb3	300.770	106.159	150.908	75.454	0.703	Ok
Story1	P15	Comb4	300.770	106.159	150.908	75.454	0.703	Ok
Story1	P15	Comb5	300.770	106.159	150.908	75.454	0.703	Ok
Story1	P15	Comb6	300.770	106.159	150.908	75.454	0.703	Ok
Story1	P15	Comb7	271.239	113.773	160.751	80.376	0.708	Ok
Story1	P15	Comb8	271.239	113.773	160.751	80.376	0.708	Ok
Story1	P15	Comb9	271.239	113.773	160.751	80.376	0.708	Ok
Story1	P15	Comb10	237.100	113.267	172.131	86.065	0.658	Ok
Story1	P15	Comb11	219.742	102.882	177.917	88.958	0.578	Ok
Story1	P15	Comb12	219.742	102.882	177.917	88.958	0.578	Ok
Story1	P15	Comb13	219.742	102.882	177.917	88.958	0.578	Ok
Story1	P15	Comb14	219.742	102.882	177.917	88.958	0.578	Ok
Story1	P15	Comb15	190.211	112.135	187.761	93.880	0.597	Ok
Story1	P15	Comb16	190.211	112.135	187.761	93.880	0.597	Ok
Story1	P15	Comb17	190.211	112.135	187.761	93.880	0.597	Ok
Story1	P15	Comb18	190.211	112.135	187.761	93.880	0.597	Ok
Story1	P16	Comb3	151.657	68.419	193.824	96.912	0.353	Ok
Story1	P16	Comb4	151.657	68.419	193.824	96.912	0.353	Ok
Story1	P16	Comb5	151.657	68.419	193.824	96.912	0.353	Ok
Story1	P16	Comb6	151.657	68.419	193.824	96.912	0.353	Ok
Story1	P16	Comb7	136.947	183.596	198.727	99.364	0.924	Ok
Story1	P16	Comb8	136.947	183.596	198.727	99.364	0.924	Ok
Story1	P16	Comb9	136.947	183.596	198.727	99.364	0.924	Ok
Story1	P16	Comb10	120.278	184.199	204.283	102.142	0.902	Ok
Story1	P16	Comb11	112.090	69.455	207.013	103.506	0.336	Ok
Story1	P16	Comb12	112.090	69.455	207.013	103.506	0.336	Ok
Story1	P16	Comb13	112.090	69.455	207.013	103.506	0.336	Ok

Story1	P16	Comb14	112.090	69.455	207.013	103.506	0.336	Ok
Story1	P16	Comb15	97.379	184.633	211.916	105.958	0.871	Ok
Story1	P16	Comb16	97.379	184.633	211.916	105.958	0.871	Ok
Story1	P16	Comb17	97.379	184.633	211.916	105.958	0.871	Ok
Story1	P16	Comb18	97.379	184.633	211.916	105.958	0.871	Ok
Story1	P17	Comb3	110.441	22.579	37.857	18.928	0.596	Ok
Story1	P17	Comb4	110.441	22.579	37.857	18.928	0.596	Ok
Story1	P17	Comb5	110.441	22.579	37.857	18.928	0.596	Ok
Story1	P17	Comb6	110.441	22.579	37.857	18.928	0.596	Ok
Story1	P17	Comb7	135.657	28.752	29.451	14.726	0.976	Ok
Story1	P17	Comb8	135.657	27.752	29.451	14.726	0.942	Ok
Story1	P17	Comb9	135.657	26.752	29.451	14.726	0.908	Ok
Story1	P17	Comb10	123.740	28.040	33.424	16.712	0.839	Ok
Story1	P17	Comb11	79.519	16.034	48.164	24.082	0.333	Ok
Story1	P17	Comb12	79.519	16.034	48.164	24.082	0.333	Ok
Story1	P17	Comb13	79.519	16.034	48.164	24.082	0.333	Ok
Story1	P17	Comb14	79.519	16.034	48.164	24.082	0.333	Ok
Story1	P17	Comb15	104.735	34.732	39.759	19.879	0.874	Ok
Story1	P17	Comb16	104.735	34.732	39.759	19.879	0.874	Ok
Story1	P17	Comb17	104.735	34.732	39.759	19.879	0.874	Ok
Story1	P17	Comb18	104.735	34.732	39.759	19.879	0.874	Ok
Story1	P18	Comb3	97.361	27.664	38.823	19.411	0.713	Ok
Story1	P18	Comb4	97.361	27.664	38.823	19.411	0.713	Ok
Story1	P18	Comb5	97.361	27.664	38.823	19.411	0.713	Ok
Story1	P18	Comb6	97.361	27.664	38.823	19.411	0.713	Ok
Story1	P18	Comb7	119.569	26.373	31.420	15.710	0.839	Ok
Story1	P18	Comb8	119.569	26.373	31.420	15.710	0.839	Ok
Story1	P18	Comb9	119.569	26.373	31.420	15.710	0.839	Ok
Story1	P18	Comb10	110.019	26.101	34.603	17.302	0.754	Ok
Story1	P18	Comb11	74.465	25.994	46.455	23.227	0.560	Ok
Story1	P18	Comb12	74.465	25.994	46.455	23.227	0.560	Ok
Story1	P18	Comb13	74.465	25.994	46.455	23.227	0.560	Ok
Story1	P18	Comb14	74.465	25.994	46.455	23.227	0.560	Ok
Story1	P18	Comb15	96.673	25.539	39.052	19.526	0.654	Ok
Story1	P18	Comb16	96.673	25.539	39.052	19.526	0.654	Ok
Story1	P18	Comb17	96.673	25.539	39.052	19.526	0.654	Ok
Story1	P18	Comb18	96.673	25.539	39.052	19.526	0.654	Ok
Story1	P19	Comb3	186.028	68.932	117.879	58.939	0.585	Ok
Story1	P19	Comb4	186.028	68.932	117.879	58.939	0.585	Ok
Story1	P19	Comb5	186.028	68.932	117.879	58.939	0.585	Ok
Story1	P19	Comb6	186.028	68.932	117.879	58.939	0.585	Ok
Story1	P19	Comb7	186.029	111.597	117.878	58.939	0.947	Ok
Story1	P19	Comb8	186.029	111.597	117.878	58.939	0.947	Ok

Story1	P19	Comb9	186.029	111.597	117.878	58.939	0.947	Ok
Story1	P19	Comb10	159.908	111.608	126.585	63.293	0.882	Ok
Story1	P19	Comb11	121.510	68.618	139.385	69.692	0.492	Ok
Story1	P19	Comb12	121.510	68.618	139.385	69.692	0.492	Ok
Story1	P19	Comb13	121.510	68.618	139.385	69.692	0.492	Ok
Story1	P19	Comb14	121.510	68.618	139.385	69.692	0.492	Ok
Story1	P19	Comb15	121.511	111.388	139.384	69.692	0.799	Ok
Story1	P19	Comb16	121.511	111.388	139.384	69.692	0.799	Ok
Story1	P19	Comb17	121.511	111.388	139.384	69.692	0.799	Ok
Story1	P19	Comb18	121.511	111.388	139.384	69.692	0.799	Ok
Story1	P20	Comb3	209.770	77.387	109.965	54.982	0.704	Ok
Story1	P20	Comb4	209.770	77.387	109.965	54.982	0.704	Ok
Story1	P20	Comb5	209.770	77.387	109.965	54.982	0.704	Ok
Story1	P20	Comb6	209.770	77.387	109.965	54.982	0.704	Ok
Story1	P20	Comb7	230.231	85.826	103.144	51.572	0.832	Ok
Story1	P20	Comb8	230.231	85.826	103.144	51.572	0.832	Ok
Story1	P20	Comb9	230.231	85.826	103.144	51.572	0.832	Ok
Story1	P20	Comb10	204.687	85.638	111.659	55.829	0.767	Ok
Story1	P20	Comb11	147.426	38.015	130.746	65.373	0.291	Ok
Story1	P20	Comb12	147.426	38.015	130.746	65.373	0.291	Ok
Story1	P20	Comb13	147.426	38.015	130.746	65.373	0.291	Ok
Story1	P20	Comb14	147.426	38.015	130.746	65.373	0.291	Ok
Story1	P20	Comb15	167.887	85.148	123.926	61.963	0.687	Ok
Story1	P20	Comb16	167.887	85.148	123.926	61.963	0.687	Ok
Story1	P20	Comb17	167.887	85.148	123.926	61.963	0.687	Ok
Story1	P20	Comb18	167.887	85.148	123.926	61.963	0.687	Ok
Story1	P21	Comb3	136.090	19.433	36.096	18.048	0.538	Ok
Story1	P21	Comb4	136.090	19.433	36.096	18.048	0.538	Ok
Story1	P21	Comb5	136.090	19.433	36.096	18.048	0.538	Ok
Story1	P21	Comb6	136.090	19.433	36.096	18.048	0.538	Ok
Story1	P21	Comb7	135.890	28.623	36.162	18.081	0.792	Ok
Story1	P21	Comb8	135.890	28.623	36.162	18.081	0.792	Ok
Story1	P21	Comb9	135.890	28.623	36.162	18.081	0.792	Ok
Story1	P21	Comb10	121.011	28.555	41.122	20.561	0.694	Ok
Story1	P21	Comb11	97.731	12.804	48.882	24.441	0.262	Ok
Story1	P21	Comb12	97.731	12.804	48.882	24.441	0.262	Ok
Story1	P21	Comb13	97.731	12.804	48.882	24.441	0.262	Ok
Story1	P21	Comb14	97.731	12.804	48.882	24.441	0.262	Ok
Story1	P21	Comb15	97.532	28.472	48.948	24.474	0.582	Ok
Story1	P21	Comb16	97.532	28.472	48.948	24.474	0.582	Ok
Story1	P21	Comb17	97.532	28.472	48.948	24.474	0.582	Ok
Story1	P21	Comb18	97.532	28.472	48.948	24.474	0.582	Ok
Story1	P22	Comb3	119.090	8.430	24.791	12.396	0.340	Ok

Story1	P22	Comb4	119.090	8.430	24.791	12.396	0.340	Ok
Story1	P22	Comb5	119.090	8.430	24.791	12.396	0.340	Ok
Story1	P22	Comb6	119.090	8.430	24.791	12.396	0.340	Ok
Story1	P22	Comb7	105.854	20.916	29.203	14.602	0.716	Ok
Story1	P22	Comb8	105.854	20.916	29.203	14.602	0.716	Ok
Story1	P22	Comb9	105.854	20.916	29.203	14.602	0.716	Ok
Story1	P22	Comb10	94.619	21.022	32.948	16.474	0.638	Ok
Story1	P22	Comb11	90.570	8.832	34.298	17.149	0.258	Ok
Story1	P22	Comb12	90.570	8.832	34.298	17.149	0.258	Ok
Story1	P22	Comb13	90.570	8.832	34.298	17.149	0.258	Ok
Story1	P22	Comb14	90.570	8.832	34.298	17.149	0.258	Ok
Story1	P22	Comb15	77.335	21.318	38.710	19.355	0.551	Ok
Story1	P22	Comb16	77.335	21.318	38.710	19.355	0.551	Ok
Story1	P22	Comb17	77.335	21.318	38.710	19.355	0.551	Ok
Story1	P22	Comb18	77.335	21.318	38.710	19.355	0.551	Ok
Story1	P23	Comb3	144.319	14.561	29.958	14.979	0.486	Ok
Story1	P23	Comb4	144.319	14.561	29.958	14.979	0.486	Ok
Story1	P23	Comb5	144.319	14.561	29.958	14.979	0.486	Ok
Story1	P23	Comb6	144.319	14.561	29.958	14.979	0.486	Ok
Story1	P23	Comb7	133.676	32.584	33.506	16.753	0.972	Ok
Story1	P23	Comb8	133.676	32.584	33.506	16.753	0.972	Ok
Story1	P23	Comb9	133.676	32.584	33.506	16.753	0.972	Ok
Story1	P23	Comb10	119.688	32.510	38.168	19.084	0.852	Ok
Story1	P23	Comb11	107.330	14.277	42.288	21.144	0.338	Ok
Story1	P23	Comb12	107.330	14.277	42.288	21.144	0.338	Ok
Story1	P23	Comb13	107.330	14.277	42.288	21.144	0.338	Ok
Story1	P23	Comb14	107.330	14.277	42.288	21.144	0.338	Ok
Story1	P23	Comb15	96.687	32.300	45.836	22.918	0.705	Ok
Story1	P23	Comb16	96.687	32.300	45.836	22.918	0.705	Ok
Story1	P23	Comb17	96.687	32.300	45.836	22.918	0.705	Ok
Story1	P23	Comb18	96.687	32.300	45.836	22.918	0.705	Ok
Story1	P24	Comb3	126.644	11.830	25.668	12.834	0.461	Ok
Story1	P24	Comb4	126.644	11.830	25.668	12.834	0.461	Ok
Story1	P24	Comb5	126.644	11.830	25.668	12.834	0.461	Ok
Story1	P24	Comb6	126.644	11.830	25.668	12.834	0.461	Ok
Story1	P24	Comb7	126.886	18.181	25.587	12.793	0.711	Ok
Story1	P24	Comb8	126.886	18.181	25.587	12.793	0.711	Ok
Story1	P24	Comb9	126.886	18.181	25.587	12.793	0.711	Ok
Story1	P24	Comb10	114.000	18.157	29.882	14.941	0.608	Ok
Story1	P24	Comb11	92.454	7.832	37.064	18.532	0.211	Ok
Story1	P24	Comb12	92.454	7.832	37.064	18.532	0.211	Ok
Story1	P24	Comb13	92.454	7.832	37.064	18.532	0.211	Ok
Story1	P24	Comb14	92.454	7.832	37.064	18.532	0.211	Ok

Story1	P24	Comb15	92.697	18.125	36.983	18.492	0.490	Ok
Story1	P24	Comb16	92.697	18.125	36.983	18.492	0.490	Ok
Story1	P24	Comb17	92.697	18.125	36.983	18.492	0.490	Ok
Story1	P24	Comb18	92.697	18.125	36.983	18.492	0.490	Ok
Story1	P25	Comb3	47.613	4.517	21.464	10.732	0.210	Ok
Story1	P25	Comb4	47.613	4.517	21.464	10.732	0.210	Ok
Story1	P25	Comb5	47.613	4.517	21.464	10.732	0.210	Ok
Story1	P25	Comb6	47.613	4.517	21.464	10.732	0.210	Ok
Story1	P25	Comb7	50.044	2.796	20.654	10.327	0.135	Ok
Story1	P25	Comb8	50.044	2.796	20.654	10.327	0.135	Ok
Story1	P25	Comb9	50.044	2.796	20.654	10.327	0.135	Ok
Story1	P25	Comb10	45.190	2.766	22.272	11.136	0.124	Ok
Story1	P25	Comb11	35.850	4.360	25.385	12.693	0.172	Ok
Story1	P25	Comb12	35.850	4.360	25.385	12.693	0.172	Ok
Story1	P25	Comb13	35.850	4.360	25.385	12.693	0.172	Ok
Story1	P25	Comb14	35.850	4.360	25.385	12.693	0.172	Ok
Story1	P25	Comb15	38.281	2.640	24.575	12.287	0.107	Ok
Story1	P25	Comb16	38.281	2.640	24.575	12.287	0.107	Ok
Story1	P25	Comb17	38.281	2.640	24.575	12.287	0.107	Ok
Story1	P25	Comb18	38.281	2.640	24.575	12.287	0.107	Ok
Story1	P26	Comb3	116.941	10.226	42.478	21.239	0.241	Ok
Story1	P26	Comb4	116.941	10.226	42.478	21.239	0.241	Ok
Story1	P26	Comb5	116.941	10.226	42.478	21.239	0.241	Ok
Story1	P26	Comb6	116.941	10.226	42.478	21.239	0.241	Ok
Story1	P26	Comb7	127.365	5.707	39.004	19.502	0.146	Ok
Story1	P26	Comb8	127.365	5.707	39.004	19.502	0.146	Ok
Story1	P26	Comb9	127.365	5.707	39.004	19.502	0.146	Ok
Story1	P26	Comb10	115.490	5.714	42.962	21.481	0.133	Ok
Story1	P26	Comb11	85.813	10.212	52.854	26.427	0.193	Ok
Story1	P26	Comb12	85.813	10.212	52.854	26.427	0.193	Ok
Story1	P26	Comb13	85.813	10.212	52.854	26.427	0.193	Ok
Story1	P26	Comb14	85.813	10.212	52.854	26.427	0.193	Ok
Story1	P26	Comb15	96.237	5.692	49.380	24.690	0.115	Ok
Story1	P26	Comb16	96.237	5.692	49.380	24.690	0.115	Ok
Story1	P26	Comb17	96.237	5.692	49.380	24.690	0.115	Ok
Story1	P26	Comb18	96.237	5.692	49.380	24.690	0.115	Ok
Story1	P27	Comb3	37.087	2.617	11.397	5.698	0.230	Ok
Story1	P27	Comb4	37.087	2.617	11.397	5.698	0.230	Ok
Story1	P27	Comb5	37.087	2.617	11.397	5.698	0.230	Ok
Story1	P27	Comb6	37.087	2.617	11.397	5.698	0.230	Ok
Story1	P27	Comb7	35.988	1.615	11.763	5.881	0.137	Ok
Story1	P27	Comb8	35.988	1.615	11.763	5.881	0.137	Ok
Story1	P27	Comb9	35.988	1.615	11.763	5.881	0.137	Ok

Story1	P27	Comb10	31.426	1.588	13.283	6.642	0.120	Ok
Story1	P27	Comb11	24.412	2.513	15.621	7.811	0.161	Ok
Story1	P27	Comb12	24.412	2.513	15.621	7.811	0.161	Ok
Story1	P27	Comb13	24.412	2.513	15.621	7.811	0.161	Ok
Story1	P27	Comb14	24.412	2.513	15.621	7.811	0.161	Ok
Story1	P27	Comb15	23.314	1.512	15.988	7.994	0.095	Ok
Story1	P27	Comb16	23.314	1.512	15.988	7.994	0.095	Ok
Story1	P27	Comb17	23.314	1.512	15.988	7.994	0.095	Ok
Story1	P27	Comb18	23.314	1.512	15.988	7.994	0.095	Ok
Story1	P28	Comb3	23.455	1.578	9.152	4.576	0.172	Ok
Story1	P28	Comb4	23.455	1.578	9.152	4.576	0.172	Ok
Story1	P28	Comb5	23.455	1.578	9.152	4.576	0.172	Ok
Story1	P28	Comb6	23.455	1.578	9.152	4.576	0.172	Ok
Story1	P28	Comb7	23.006	0.865	9.302	4.651	0.093	Ok
Story1	P28	Comb8	23.006	0.865	9.302	4.651	0.093	Ok
Story1	P28	Comb9	23.006	0.865	9.302	4.651	0.093	Ok
Story1	P28	Comb10	20.195	0.866	10.239	5.119	0.085	Ok
Story1	P28	Comb11	15.238	1.591	11.891	5.946	0.134	Ok
Story1	P28	Comb12	15.238	1.591	11.891	5.946	0.134	Ok
Story1	P28	Comb13	15.238	1.591	11.891	5.946	0.134	Ok
Story1	P28	Comb14	15.238	1.591	11.891	5.946	0.134	Ok
Story1	P28	Comb15	14.788	0.878	12.041	6.021	0.073	Ok
Story1	P28	Comb16	14.788	0.878	12.041	6.021	0.073	Ok
Story1	P28	Comb17	14.788	0.878	12.041	6.021	0.073	Ok
Story1	P28	Comb18	14.788	0.878	12.041	6.021	0.073	Ok
Story1	P29	Comb3	53.245	4.796	22.981	11.491	0.209	Ok
Story1	P29	Comb4	53.245	4.796	22.981	11.491	0.209	Ok
Story1	P29	Comb5	53.245	4.796	22.981	11.491	0.209	Ok
Story1	P29	Comb6	53.245	4.796	22.981	11.491	0.209	Ok
Story1	P29	Comb7	61.593	3.113	20.198	10.099	0.154	Ok
Story1	P29	Comb8	61.593	3.113	20.198	10.099	0.154	Ok
Story1	P29	Comb9	61.593	3.113	20.198	10.099	0.154	Ok
Story1	P29	Comb10	56.025	3.096	22.054	11.027	0.140	Ok
Story1	P29	Comb11	39.213	4.731	27.658	13.829	0.171	Ok
Story1	P29	Comb12	39.213	4.731	27.658	13.829	0.171	Ok
Story1	P29	Comb13	39.213	4.731	27.658	13.829	0.171	Ok
Story1	P29	Comb14	39.213	4.731	27.658	13.829	0.171	Ok
Story1	P29	Comb15	47.562	3.048	24.876	12.438	0.123	Ok
Story1	P29	Comb16	47.562	3.048	24.876	12.438	0.123	Ok
Story1	P29	Comb17	47.562	3.048	24.876	12.438	0.123	Ok
Story1	P29	Comb18	47.562	3.048	24.876	12.438	0.123	Ok
Story1	P30	Comb3	57.578	5.408	31.719	15.859	0.171	Ok
Story1	P30	Comb4	57.578	5.408	31.719	15.859	0.171	Ok

Story1	P30	Comb5	57.578	5.408	31.719	15.859	0.171	Ok
Story1	P30	Comb6	57.578	5.408	31.719	15.859	0.171	Ok
Story1	P30	Comb7	69.611	3.030	27.708	13.854	0.109	Ok
Story1	P30	Comb8	69.611	3.030	27.708	13.854	0.109	Ok
Story1	P30	Comb9	69.611	3.030	27.708	13.854	0.109	Ok
Story1	P30	Comb10	63.032	3.049	29.901	14.951	0.102	Ok
Story1	P30	Comb11	40.766	5.448	37.323	18.662	0.146	Ok
Story1	P30	Comb12	40.766	5.448	37.323	18.662	0.146	Ok
Story1	P30	Comb13	40.766	5.448	37.323	18.662	0.146	Ok
Story1	P30	Comb14	40.766	5.448	37.323	18.662	0.146	Ok
Story1	P30	Comb15	52.798	3.070	33.312	16.656	0.092	Ok
Story1	P30	Comb16	52.798	3.070	33.312	16.656	0.092	Ok
Story1	P30	Comb17	52.798	3.070	33.312	16.656	0.092	Ok
Story1	P30	Comb18	52.798	3.070	33.312	16.656	0.092	Ok
Story1	P31	Comb3	100.834	7.289	30.877	15.438	0.236	Ok
Story1	P31	Comb4	100.834	7.289	30.877	15.438	0.236	Ok
Story1	P31	Comb5	100.834	7.289	30.877	15.438	0.236	Ok
Story1	P31	Comb6	100.834	7.289	30.877	15.438	0.236	Ok
Story1	P31	Comb7	99.384	4.519	31.360	15.680	0.144	Ok
Story1	P31	Comb8	99.384	4.519	31.360	15.680	0.144	Ok
Story1	P31	Comb9	99.384	4.519	31.360	15.680	0.144	Ok
Story1	P31	Comb10	86.265	4.464	35.733	17.867	0.125	Ok
Story1	P31	Comb11	64.331	7.110	43.044	21.522	0.165	Ok
Story1	P31	Comb12	64.331	7.110	43.044	21.522	0.165	Ok
Story1	P31	Comb13	64.331	7.110	43.044	21.522	0.165	Ok
Story1	P31	Comb14	64.331	7.110	43.044	21.522	0.165	Ok
Story1	P31	Comb15	62.881	4.340	43.528	21.764	0.100	Ok
Story1	P31	Comb16	62.881	4.340	43.528	21.764	0.100	Ok
Story1	P31	Comb17	62.881	4.340	43.528	21.764	0.100	Ok
Story1	P31	Comb18	62.881	4.340	43.528	21.764	0.100	Ok
Story1	P32	Comb3	42.850	2.853	16.264	8.132	0.175	Ok
Story1	P32	Comb4	42.850	2.853	16.264	8.132	0.175	Ok
Story1	P32	Comb5	42.850	2.853	16.264	8.132	0.175	Ok
Story1	P32	Comb6	42.850	2.853	16.264	8.132	0.175	Ok
Story1	P32	Comb7	42.166	1.748	16.492	8.246	0.106	Ok
Story1	P32	Comb8	42.166	1.748	16.492	8.246	0.106	Ok
Story1	P32	Comb9	42.166	1.748	16.492	8.246	0.106	Ok
Story1	P32	Comb10	36.494	1.743	18.382	9.191	0.095	Ok
Story1	P32	Comb11	26.702	2.816	21.647	10.823	0.130	Ok
Story1	P32	Comb12	26.702	2.816	21.647	10.823	0.130	Ok
Story1	P32	Comb13	26.702	2.816	21.647	10.823	0.130	Ok
Story1	P32	Comb14	26.702	2.816	21.647	10.823	0.130	Ok
Story1	P32	Comb15	26.018	1.711	21.874	10.937	0.078	Ok

Story1	P32	Comb16	26.018	1.711	21.874	10.937	0.078	Ok
Story1	P32	Comb17	26.018	1.711	21.874	10.937	0.078	Ok
Story1	P32	Comb18	26.018	1.711	21.874	10.937	0.078	Ok
Story1	P33	Comb3	45.666	2.674	11.931	5.965	0.224	Ok
Story1	P33	Comb4	45.666	2.674	11.931	5.965	0.224	Ok
Story1	P33	Comb5	45.666	2.674	11.931	5.965	0.224	Ok
Story1	P33	Comb6	45.666	2.674	11.931	5.965	0.224	Ok
Story1	P33	Comb7	45.854	1.751	11.868	5.934	0.148	Ok
Story1	P33	Comb8	45.854	1.751	11.868	5.934	0.148	Ok
Story1	P33	Comb9	45.854	1.751	11.868	5.934	0.148	Ok
Story1	P33	Comb10	39.773	1.719	13.895	6.948	0.124	Ok
Story1	P33	Comb11	27.871	2.596	17.863	8.931	0.145	Ok
Story1	P33	Comb12	27.871	2.596	17.863	8.931	0.145	Ok
Story1	P33	Comb13	27.871	2.596	17.863	8.931	0.145	Ok
Story1	P33	Comb14	27.871	2.596	17.863	8.931	0.145	Ok
Story1	P33	Comb15	28.059	1.672	17.800	8.900	0.094	Ok
Story1	P33	Comb16	28.059	1.672	17.800	8.900	0.094	Ok
Story1	P33	Comb17	28.059	1.672	17.800	8.900	0.094	Ok
Story1	P33	Comb18	28.059	1.672	17.800	8.900	0.094	Ok
Story1	P34	Comb3	52.713	3.954	23.158	11.579	0.171	Ok
Story1	P34	Comb4	52.713	3.954	23.158	11.579	0.171	Ok
Story1	P34	Comb5	52.713	3.954	23.158	11.579	0.171	Ok
Story1	P34	Comb6	52.713	3.954	23.158	11.579	0.171	Ok
Story1	P34	Comb7	54.032	2.453	22.719	11.359	0.108	Ok
Story1	P34	Comb8	54.032	2.453	22.719	11.359	0.108	Ok
Story1	P34	Comb9	54.032	2.453	22.719	11.359	0.108	Ok
Story1	P34	Comb10	46.906	2.475	25.094	12.547	0.099	Ok
Story1	P34	Comb11	33.038	3.991	29.717	14.858	0.134	Ok
Story1	P34	Comb12	33.038	3.991	29.717	14.858	0.134	Ok
Story1	P34	Comb13	33.038	3.991	29.717	14.858	0.134	Ok
Story1	P34	Comb14	33.038	3.991	29.717	14.858	0.134	Ok
Story1	P34	Comb15	34.357	2.490	29.277	14.639	0.085	Ok
Story1	P34	Comb16	34.357	2.490	29.277	14.639	0.085	Ok
Story1	P34	Comb17	34.357	2.490	29.277	14.639	0.085	Ok
Story1	P34	Comb18	34.357	2.490	29.277	14.639	0.085	Ok
Story1	P35	Comb3	25.695	2.029	11.800	5.900	0.172	Ok
Story1	P35	Comb4	25.695	2.029	11.800	5.900	0.172	Ok
Story1	P35	Comb5	25.695	2.029	11.800	5.900	0.172	Ok
Story1	P35	Comb6	25.695	2.029	11.800	5.900	0.172	Ok
Story1	P35	Comb7	33.047	1.565	9.349	4.674	0.167	Ok
Story1	P35	Comb8	33.047	1.565	9.349	4.674	0.167	Ok
Story1	P35	Comb9	33.047	1.565	9.349	4.674	0.167	Ok
Story1	P35	Comb10	30.320	1.543	10.258	5.129	0.150	Ok

Story1	P35	Comb11	17.777	1.939	14.439	7.220	0.134	Ok
Story1	P35	Comb12	17.777	1.939	14.439	7.220	0.134	Ok
Story1	P35	Comb13	17.777	1.939	14.439	7.220	0.134	Ok
Story1	P35	Comb14	17.777	1.939	14.439	7.220	0.134	Ok
Story1	P35	Comb15	25.129	1.475	11.988	5.994	0.123	Ok
Story1	P35	Comb16	25.129	1.475	11.988	5.994	0.123	Ok
Story1	P35	Comb17	25.129	1.475	11.988	5.994	0.123	Ok
Story1	P35	Comb18	25.129	1.475	11.988	5.994	0.123	Ok
Story1	P36	Comb3	49.011	3.412	14.210	7.105	0.240	Ok
Story1	P36	Comb4	49.011	3.412	14.210	7.105	0.240	Ok
Story1	P36	Comb5	49.011	3.412	14.210	7.105	0.240	Ok
Story1	P36	Comb6	49.011	3.412	14.210	7.105	0.240	Ok
Story1	P36	Comb7	47.933	2.589	14.569	7.285	0.178	Ok
Story1	P36	Comb8	47.933	2.589	14.569	7.285	0.178	Ok
Story1	P36	Comb9	47.933	2.589	14.569	7.285	0.178	Ok
Story1	P36	Comb10	42.020	2.570	16.540	8.270	0.155	Ok
Story1	P36	Comb11	31.687	3.330	19.985	9.992	0.167	Ok
Story1	P36	Comb12	31.687	3.330	19.985	9.992	0.167	Ok
Story1	P36	Comb13	31.687	3.330	19.985	9.992	0.167	Ok
Story1	P36	Comb14	31.687	3.330	19.985	9.992	0.167	Ok
Story1	P36	Comb15	30.609	2.507	20.344	10.172	0.123	Ok
Story1	P36	Comb16	30.609	2.507	20.344	10.172	0.123	Ok
Story1	P36	Comb17	30.609	2.507	20.344	10.172	0.123	Ok
Story1	P36	Comb18	30.609	2.507	20.344	10.172	0.123	Ok
Story1	P37	Comb3	47.839	3.675	17.995	8.997	0.204	Ok
Story1	P37	Comb4	47.839	3.675	17.995	8.997	0.204	Ok
Story1	P37	Comb5	47.839	3.675	17.995	8.997	0.204	Ok
Story1	P37	Comb6	47.839	3.675	17.995	8.997	0.204	Ok
Story1	P37	Comb7	47.961	2.790	17.954	8.977	0.155	Ok
Story1	P37	Comb8	47.961	2.790	17.954	8.977	0.155	Ok
Story1	P37	Comb9	47.961	2.790	17.954	8.977	0.155	Ok
Story1	P37	Comb10	41.570	2.779	20.084	10.042	0.138	Ok
Story1	P37	Comb11	29.609	3.617	24.071	12.036	0.150	Ok
Story1	P37	Comb12	29.609	3.617	24.071	12.036	0.150	Ok
Story1	P37	Comb13	29.609	3.617	24.071	12.036	0.150	Ok
Story1	P37	Comb14	29.609	3.617	24.071	12.036	0.150	Ok
Story1	P37	Comb15	29.732	2.732	24.030	12.015	0.114	Ok
Story1	P37	Comb16	29.732	2.732	24.030	12.015	0.114	Ok
Story1	P37	Comb17	29.732	2.732	24.030	12.015	0.114	Ok
Story1	P37	Comb18	29.732	2.732	24.030	12.015	0.114	Ok
Story1	P38	Comb3	49.431	3.737	14.070	7.035	0.266	Ok
Story1	P38	Comb4	49.431	3.737	14.070	7.035	0.266	Ok
Story1	P38	Comb5	49.431	3.737	14.070	7.035	0.266	Ok

Story1	P38	Comb6	49.431	3.737	14.070	7.035	0.266	Ok
Story1	P38	Comb7	49.471	2.917	14.057	7.028	0.208	Ok
Story1	P38	Comb8	49.471	2.917	14.057	7.028	0.208	Ok
Story1	P38	Comb9	49.471	2.917	14.057	7.028	0.208	Ok
Story1	P38	Comb10	43.131	2.894	16.170	8.085	0.179	Ok
Story1	P38	Comb11	30.666	3.686	20.325	10.163	0.181	Ok
Story1	P38	Comb12	30.666	3.686	20.325	10.163	0.181	Ok
Story1	P38	Comb13	30.666	3.686	20.325	10.163	0.181	Ok
Story1	P38	Comb14	30.666	3.686	20.325	10.163	0.181	Ok
Story1	P38	Comb15	30.705	2.866	20.312	10.156	0.141	Ok
Story1	P38	Comb16	30.705	2.866	20.312	10.156	0.141	Ok
Story1	P38	Comb17	30.705	2.866	20.312	10.156	0.141	Ok
Story1	P38	Comb18	30.705	2.866	20.312	10.156	0.141	Ok
Story1	P39	Comb3	109.219	11.614	48.446	24.223	0.240	Ok
Story1	P39	Comb4	109.219	11.614	48.446	24.223	0.240	Ok
Story1	P39	Comb5	109.219	11.614	48.446	24.223	0.240	Ok
Story1	P39	Comb6	109.219	11.614	48.446	24.223	0.240	Ok
Story1	P39	Comb7	135.638	9.442	39.640	19.820	0.238	Ok
Story1	P39	Comb8	135.638	9.442	39.640	19.820	0.238	Ok
Story1	P39	Comb9	135.638	9.442	39.640	19.820	0.238	Ok
Story1	P39	Comb10	123.782	9.442	43.592	21.796	0.217	Ok
Story1	P39	Comb11	79.620	11.578	58.313	29.156	0.199	Ok
Story1	P39	Comb12	79.620	11.578	58.313	29.156	0.199	Ok
Story1	P39	Comb13	79.620	11.578	58.313	29.156	0.199	Ok
Story1	P39	Comb14	79.620	11.578	58.313	29.156	0.199	Ok
Story1	P39	Comb15	106.039	9.406	49.507	24.753	0.190	Ok
Story1	P39	Comb16	106.039	9.406	49.507	24.753	0.190	Ok
Story1	P39	Comb17	106.039	9.406	49.507	24.753	0.190	Ok
Story1	P39	Comb18	106.039	9.406	49.507	24.753	0.190	Ok
Story1	P40	Comb3	51.209	3.832	13.477	6.739	0.284	Ok
Story1	P40	Comb4	51.209	3.832	13.477	6.739	0.284	Ok
Story1	P40	Comb5	51.209	3.832	13.477	6.739	0.284	Ok
Story1	P40	Comb6	51.209	3.832	13.477	6.739	0.284	Ok
Story1	P40	Comb7	50.711	3.197	13.643	6.822	0.234	Ok
Story1	P40	Comb8	50.711	3.197	13.643	6.822	0.234	Ok
Story1	P40	Comb9	50.711	3.197	13.643	6.822	0.234	Ok
Story1	P40	Comb10	44.045	3.208	15.865	7.933	0.202	Ok
Story1	P40	Comb11	31.681	3.842	19.987	9.993	0.192	Ok
Story1	P40	Comb12	31.681	3.842	19.987	9.993	0.192	Ok
Story1	P40	Comb13	31.681	3.842	19.987	9.993	0.192	Ok
Story1	P40	Comb14	31.681	3.842	19.987	9.993	0.192	Ok
Story1	P40	Comb15	31.183	3.206	20.153	10.076	0.159	Ok
Story1	P40	Comb16	31.183	3.206	20.153	10.076	0.159	Ok

Story1	P40	Comb17	31.183	3.206	20.153	10.076	0.159	Ok
Story1	P40	Comb18	31.183	3.206	20.153	10.076	0.159	Ok
Story1	P41	Comb3	43.356	3.946	16.095	8.048	0.245	Ok
Story1	P41	Comb4	43.356	3.946	16.095	8.048	0.245	Ok
Story1	P41	Comb5	43.356	3.946	16.095	8.048	0.245	Ok
Story1	P41	Comb6	43.356	3.946	16.095	8.048	0.245	Ok
Story1	P41	Comb7	43.751	3.353	15.963	7.982	0.210	Ok
Story1	P41	Comb8	43.751	3.353	15.963	7.982	0.210	Ok
Story1	P41	Comb9	43.751	3.353	15.963	7.982	0.210	Ok
Story1	P41	Comb10	37.935	3.361	17.902	8.951	0.188	Ok
Story1	P41	Comb11	26.666	3.988	21.658	10.829	0.184	Ok
Story1	P41	Comb12	26.666	3.988	21.658	10.829	0.184	Ok
Story1	P41	Comb13	26.666	3.988	21.658	10.829	0.184	Ok
Story1	P41	Comb14	26.666	3.988	21.658	10.829	0.184	Ok
Story1	P41	Comb15	27.061	3.395	21.527	10.763	0.158	Ok
Story1	P41	Comb16	27.061	3.395	21.527	10.763	0.158	Ok
Story1	P41	Comb17	27.061	3.395	21.527	10.763	0.158	Ok
Story1	P41	Comb18	27.061	3.395	21.527	10.763	0.158	Ok
Story1	P42	Comb3	50.223	3.777	13.806	6.903	0.274	Ok
Story1	P42	Comb4	50.223	3.777	13.806	6.903	0.274	Ok
Story1	P42	Comb5	50.223	3.777	13.806	6.903	0.274	Ok
Story1	P42	Comb6	50.223	3.777	13.806	6.903	0.274	Ok
Story1	P42	Comb7	51.124	3.303	13.506	6.753	0.245	Ok
Story1	P42	Comb8	51.124	3.303	13.506	6.753	0.245	Ok
Story1	P42	Comb9	51.124	3.303	13.506	6.753	0.245	Ok
Story1	P42	Comb10	45.282	3.298	15.453	7.726	0.213	Ok
Story1	P42	Comb11	33.226	3.761	19.472	9.736	0.193	Ok
Story1	P42	Comb12	33.226	3.761	19.472	9.736	0.193	Ok
Story1	P42	Comb13	33.226	3.761	19.472	9.736	0.193	Ok
Story1	P42	Comb14	33.226	3.761	19.472	9.736	0.193	Ok
Story1	P42	Comb15	34.126	3.288	19.172	9.586	0.171	Ok
Story1	P42	Comb16	34.126	3.288	19.172	9.586	0.171	Ok
Story1	P42	Comb17	34.126	3.288	19.172	9.586	0.171	Ok
Story1	P42	Comb18	34.126	3.288	19.172	9.586	0.171	Ok
Story1	P43	Comb3	50.299	4.748	17.175	8.587	0.276	Ok
Story1	P43	Comb4	50.299	4.748	17.175	8.587	0.276	Ok
Story1	P43	Comb5	50.299	4.748	17.175	8.587	0.276	Ok
Story1	P43	Comb6	50.299	4.748	17.175	8.587	0.276	Ok
Story1	P43	Comb7	54.831	4.259	15.664	7.832	0.272	Ok
Story1	P43	Comb8	54.831	4.259	15.664	7.832	0.272	Ok
Story1	P43	Comb9	54.831	4.259	15.664	7.832	0.272	Ok
Story1	P43	Comb10	49.527	4.250	17.432	8.716	0.244	Ok
Story1	P43	Comb11	34.411	4.734	22.471	11.235	0.211	Ok

Story1	P43	Comb12	34.411	4.734	22.471	11.235	0.211	Ok
Story1	P43	Comb13	34.411	4.734	22.471	11.235	0.211	Ok
Story1	P43	Comb14	34.411	4.734	22.471	11.235	0.211	Ok
Story1	P43	Comb15	38.942	4.245	20.960	10.480	0.203	Ok
Story1	P43	Comb16	38.942	4.245	20.960	10.480	0.203	Ok
Story1	P43	Comb17	38.942	4.245	20.960	10.480	0.203	Ok
Story1	P43	Comb18	38.942	4.245	20.960	10.480	0.203	Ok
Story1	P44	Comb3	43.372	4.020	9.302	4.651	0.432	Ok
Story1	P44	Comb4	43.372	4.020	9.302	4.651	0.432	Ok
Story1	P44	Comb5	43.372	4.020	9.302	4.651	0.432	Ok
Story1	P44	Comb6	43.372	4.020	9.302	4.651	0.432	Ok
Story1	P44	Comb7	60.848	2.713	3.476	1.738	0.780	Ok
Story1	P44	Comb8	60.848	2.713	3.476	1.738	0.780	Ok
Story1	P44	Comb9	60.848	2.713	3.476	1.738	0.780	Ok
Story1	P44	Comb10	56.822	2.664	4.818	2.409	0.553	Ok
Story1	P44	Comb11	33.534	2.537	12.581	6.290	0.202	Ok
Story1	P44	Comb12	33.534	2.537	12.581	6.290	0.202	Ok
Story1	P44	Comb13	33.534	2.537	12.581	6.290	0.202	Ok
Story1	P44	Comb14	33.534	2.537	12.581	6.290	0.202	Ok
Story1	P44	Comb15	51.010	2.570	6.755	3.378	0.380	Ok
Story1	P44	Comb16	51.010	2.570	6.755	3.378	0.380	Ok
Story1	P44	Comb17	51.010	2.570	6.755	3.378	0.380	Ok
Story1	P44	Comb18	51.010	2.570	6.755	3.378	0.380	Ok
Story1	P45	Comb3	118.311	7.629	79.357	39.679	0.096	Ok
Story1	P45	Comb4	118.311	7.629	79.357	39.679	0.096	Ok
Story1	P45	Comb5	118.311	7.629	79.357	39.679	0.096	Ok
Story1	P45	Comb6	118.311	7.629	79.357	39.679	0.096	Ok
Story1	P45	Comb7	113.634	4.275	80.916	40.458	0.053	Ok
Story1	P45	Comb8	113.634	4.275	80.916	40.458	0.053	Ok
Story1	P45	Comb9	113.634	4.275	80.916	40.458	0.053	Ok
Story1	P45	Comb10	99.943	4.214	85.480	42.740	0.049	Ok
Story1	P45	Comb11	88.449	7.436	89.311	44.656	0.083	Ok
Story1	P45	Comb12	88.449	7.436	89.311	44.656	0.083	Ok
Story1	P45	Comb13	88.449	7.436	89.311	44.656	0.083	Ok
Story1	P45	Comb14	88.449	7.436	89.311	44.656	0.083	Ok
Story1	P45	Comb15	83.772	4.082	90.870	45.435	0.045	Ok
Story1	P45	Comb16	83.772	4.082	90.870	45.435	0.045	Ok
Story1	P45	Comb17	83.772	4.082	90.870	45.435	0.045	Ok
Story1	P45	Comb18	83.772	4.082	90.870	45.435	0.045	Ok
Story1	P46	Comb3	460.438	29.827	223.267	111.634	0.134	Ok
Story1	P46	Comb4	460.438	29.827	223.267	111.634	0.134	Ok
Story1	P46	Comb5	460.438	29.827	223.267	111.634	0.134	Ok
Story1	P46	Comb6	460.438	29.827	223.267	111.634	0.134	Ok

Story1	P46	Comb7	462.702	16.286	222.512	111.256	0.073	Ok
Story1	P46	Comb8	462.702	16.286	222.512	111.256	0.073	Ok
Story1	P46	Comb9	462.702	16.286	222.512	111.256	0.073	Ok
Story1	P46	Comb10	401.191	16.358	243.016	121.508	0.067	Ok
Story1	P46	Comb11	302.237	30.129	276.001	138.000	0.109	Ok
Story1	P46	Comb12	302.237	30.129	276.001	138.000	0.109	Ok
Story1	P46	Comb13	302.237	30.129	276.001	138.000	0.109	Ok
Story1	P46	Comb14	302.237	30.129	276.001	138.000	0.109	Ok
Story1	P46	Comb15	304.501	16.589	275.246	137.623	0.060	Ok
Story1	P46	Comb16	304.501	16.589	275.246	137.623	0.060	Ok
Story1	P46	Comb17	304.501	16.589	275.246	137.623	0.060	Ok
Story1	P46	Comb18	304.501	16.589	275.246	137.623	0.060	Ok
Story1	P47	Comb3	195.340	14.889	107.986	53.993	0.138	Ok
Story1	P47	Comb4	195.340	14.889	107.986	53.993	0.138	Ok
Story1	P47	Comb5	195.340	14.889	107.986	53.993	0.138	Ok
Story1	P47	Comb6	195.340	14.889	107.986	53.993	0.138	Ok
Story1	P47	Comb7	180.135	10.067	113.055	56.527	0.089	Ok
Story1	P47	Comb8	180.135	10.067	113.055	56.527	0.089	Ok
Story1	P47	Comb9	180.135	10.067	113.055	56.527	0.089	Ok
Story1	P47	Comb10	156.805	10.077	120.832	60.416	0.083	Ok
Story1	P47	Comb11	136.504	14.990	127.598	63.799	0.117	Ok
Story1	P47	Comb12	136.504	14.990	127.598	63.799	0.117	Ok
Story1	P47	Comb13	136.504	14.990	127.598	63.799	0.117	Ok
Story1	P47	Comb14	136.504	14.990	127.598	63.799	0.117	Ok
Story1	P47	Comb15	121.299	10.169	132.667	66.333	0.077	Ok
Story1	P47	Comb16	121.299	10.169	132.667	66.333	0.077	Ok
Story1	P47	Comb17	121.299	10.169	132.667	66.333	0.077	Ok
Story1	P47	Comb18	121.299	10.169	132.667	66.333	0.077	Ok
Story1	P48	Comb3	122.245	8.506	71.258	35.629	0.119	Ok
Story1	P48	Comb4	122.245	8.506	71.258	35.629	0.119	Ok
Story1	P48	Comb5	122.245	8.506	71.258	35.629	0.119	Ok
Story1	P48	Comb6	122.245	8.506	71.258	35.629	0.119	Ok
Story1	P48	Comb7	150.306	5.807	61.904	30.952	0.094	Ok
Story1	P48	Comb8	150.306	5.807	61.904	30.952	0.094	Ok
Story1	P48	Comb9	150.306	5.807	61.904	30.952	0.094	Ok
Story1	P48	Comb10	137.524	5.853	66.165	33.082	0.088	Ok
Story1	P48	Comb11	92.507	8.676	81.170	40.585	0.107	Ok
Story1	P48	Comb12	92.507	8.676	81.170	40.585	0.107	Ok
Story1	P48	Comb13	92.507	8.676	81.170	40.585	0.107	Ok
Story1	P48	Comb14	92.507	8.676	81.170	40.585	0.107	Ok
Story1	P48	Comb15	120.569	5.977	71.816	35.908	0.083	Ok
Story1	P48	Comb16	120.569	5.977	71.816	35.908	0.083	Ok
Story1	P48	Comb17	120.569	5.977	71.816	35.908	0.083	Ok

Story1	P48	Comb18	120.569	5.977	71.816	35.908	0.083	Ok
Story1	P49	Comb3	42.199	2.933	30.057	15.029	0.098	Ok
Story1	P49	Comb4	42.199	2.933	30.057	15.029	0.098	Ok
Story1	P49	Comb5	42.199	2.933	30.057	15.029	0.098	Ok
Story1	P49	Comb6	42.199	2.933	30.057	15.029	0.098	Ok
Story1	P49	Comb7	42.914	1.754	29.819	14.909	0.059	Ok
Story1	P49	Comb8	42.914	1.754	29.819	14.909	0.059	Ok
Story1	P49	Comb9	42.914	1.754	29.819	14.909	0.059	Ok
Story1	P49	Comb10	37.107	1.747	31.755	15.877	0.055	Ok
Story1	P49	Comb11	27.324	2.900	35.015	17.508	0.083	Ok
Story1	P49	Comb12	27.324	2.900	35.015	17.508	0.083	Ok
Story1	P49	Comb13	27.324	2.900	35.015	17.508	0.083	Ok
Story1	P49	Comb14	27.324	2.900	35.015	17.508	0.083	Ok
Story1	P49	Comb15	28.039	1.721	34.777	17.388	0.049	Ok
Story1	P49	Comb16	28.039	1.721	34.777	17.388	0.049	Ok
Story1	P49	Comb17	28.039	1.721	34.777	17.388	0.049	Ok
Story1	P49	Comb18	28.039	1.721	34.777	17.388	0.049	Ok
Story1	P50	Comb3	41.537	2.428	23.490	11.745	0.103	Ok
Story1	P50	Comb4	41.537	2.428	23.490	11.745	0.103	Ok
Story1	P50	Comb5	41.537	2.428	23.490	11.745	0.103	Ok
Story1	P50	Comb6	41.537	2.428	23.490	11.745	0.103	Ok
Story1	P50	Comb7	41.978	1.271	23.343	11.671	0.054	Ok
Story1	P50	Comb8	41.978	1.271	23.343	11.671	0.054	Ok
Story1	P50	Comb9	41.978	1.271	23.343	11.671	0.054	Ok
Story1	P50	Comb10	36.518	1.282	25.163	12.581	0.051	Ok
Story1	P50	Comb11	26.834	2.465	28.391	14.195	0.087	Ok
Story1	P50	Comb12	26.834	2.465	28.391	14.195	0.087	Ok
Story1	P50	Comb13	26.834	2.465	28.391	14.195	0.087	Ok
Story1	P50	Comb14	26.834	2.465	28.391	14.195	0.087	Ok
Story1	P50	Comb15	27.275	1.308	28.244	14.122	0.046	Ok
Story1	P50	Comb16	27.275	1.308	28.244	14.122	0.046	Ok
Story1	P50	Comb17	27.275	1.308	28.244	14.122	0.046	Ok
Story1	P50	Comb18	27.275	1.308	28.244	14.122	0.046	Ok
Story1	P51	Comb3	218.116	16.726	100.394	50.197	0.167	Ok
Story1	P51	Comb4	218.116	16.726	100.394	50.197	0.167	Ok
Story1	P51	Comb5	218.116	16.726	100.394	50.197	0.167	Ok
Story1	P51	Comb6	218.116	16.726	100.394	50.197	0.167	Ok
Story1	P51	Comb7	297.080	8.835	74.073	37.037	0.119	Ok
Story1	P51	Comb8	297.080	8.835	74.073	37.037	0.119	Ok
Story1	P51	Comb9	297.080	8.835	74.073	37.037	0.119	Ok
Story1	P51	Comb10	274.833	8.703	81.489	40.744	0.107	Ok
Story1	P51	Comb11	163.021	16.204	118.759	59.380	0.136	Ok
Story1	P51	Comb12	163.021	16.204	118.759	59.380	0.136	Ok

Story1	P51	Comb13	163.021	16.204	118.759	59.380	0.136	Ok
Story1	P51	Comb14	163.021	16.204	118.759	59.380	0.136	Ok
Story1	P51	Comb15	241.985	8.314	92.438	46.219	0.090	Ok
Story1	P51	Comb16	241.985	8.314	92.438	46.219	0.090	Ok
Story1	P51	Comb17	241.985	8.314	92.438	46.219	0.090	Ok
Story1	P51	Comb18	241.985	8.314	92.438	46.219	0.090	Ok
Story1	P52	Comb3	58.825	1.371	24.515	12.257	0.056	Ok
Story1	P52	Comb4	58.825	1.371	24.515	12.257	0.056	Ok
Story1	P52	Comb5	58.825	1.371	24.515	12.257	0.056	Ok
Story1	P52	Comb6	58.825	1.371	24.515	12.257	0.056	Ok
Story1	P52	Comb7	63.164	0.762	23.069	11.534	0.033	Ok
Story1	P52	Comb8	63.164	0.762	23.069	11.534	0.033	Ok
Story1	P52	Comb9	63.164	0.762	23.069	11.534	0.033	Ok
Story1	P52	Comb10	58.808	0.748	24.521	12.260	0.031	Ok
Story1	P52	Comb11	47.927	1.354	28.148	14.074	0.048	Ok
Story1	P52	Comb12	47.927	1.354	28.148	14.074	0.048	Ok
Story1	P52	Comb13	47.927	1.354	28.148	14.074	0.048	Ok
Story1	P52	Comb14	47.927	1.354	28.148	14.074	0.048	Ok
Story1	P52	Comb15	52.266	0.745	26.701	13.351	0.028	Ok
Story1	P52	Comb16	52.266	0.745	26.701	13.351	0.028	Ok
Story1	P52	Comb17	52.266	0.745	26.701	13.351	0.028	Ok
Story1	P52	Comb18	52.266	0.745	26.701	13.351	0.028	Ok
Story1	P53	Comb3	97.394	3.683	62.571	31.285	0.059	Ok
Story1	P53	Comb4	97.394	3.683	62.571	31.285	0.059	Ok
Story1	P53	Comb5	97.394	3.683	62.571	31.285	0.059	Ok
Story1	P53	Comb6	97.394	3.683	62.571	31.285	0.059	Ok
Story1	P53	Comb7	109.938	1.994	58.389	29.195	0.034	Ok
Story1	P53	Comb8	109.938	1.994	58.389	29.195	0.034	Ok
Story1	P53	Comb9	109.938	1.994	58.389	29.195	0.034	Ok
Story1	P53	Comb10	100.355	1.980	61.584	30.792	0.032	Ok
Story1	P53	Comb11	75.785	3.677	69.773	34.887	0.053	Ok
Story1	P53	Comb12	75.785	3.677	69.773	34.887	0.053	Ok
Story1	P53	Comb13	75.785	3.677	69.773	34.887	0.053	Ok
Story1	P53	Comb14	75.785	3.677	69.773	34.887	0.053	Ok
Story1	P53	Comb15	88.330	1.988	65.592	32.796	0.030	Ok
Story1	P53	Comb16	88.330	1.988	65.592	32.796	0.030	Ok
Story1	P53	Comb17	88.330	1.988	65.592	32.796	0.030	Ok
Story1	P53	Comb18	88.330	1.988	65.592	32.796	0.030	Ok
Story1	P54	Comb3	33.621	1.125	22.734	11.367	0.049	Ok
Story1	P54	Comb4	33.621	1.125	22.734	11.367	0.049	Ok
Story1	P54	Comb5	33.621	1.125	22.734	11.367	0.049	Ok
Story1	P54	Comb6	33.621	1.125	22.734	11.367	0.049	Ok
Story1	P54	Comb7	34.125	0.602	22.566	11.283	0.027	Ok

Story1	P54	Comb8	34.125	0.602	22.566	11.283	0.027	Ok
Story1	P54	Comb9	34.125	0.602	22.566	11.283	0.027	Ok
Story1	P54	Comb10	29.639	0.609	24.062	12.031	0.025	Ok
Story1	P54	Comb11	22.407	1.166	26.472	13.236	0.044	Ok
Story1	P54	Comb12	22.407	1.166	26.472	13.236	0.044	Ok
Story1	P54	Comb13	22.407	1.166	26.472	13.236	0.044	Ok
Story1	P54	Comb14	22.407	1.166	26.472	13.236	0.044	Ok
Story1	P54	Comb15	22.911	0.643	26.304	13.152	0.024	Ok
Story1	P54	Comb16	22.911	0.643	26.304	13.152	0.024	Ok
Story1	P54	Comb17	22.911	0.643	26.304	13.152	0.024	Ok
Story1	P54	Comb18	22.911	0.643	26.304	13.152	0.024	Ok
Story1	P55	Comb3	29.352	1.123	17.369	8.685	0.065	Ok
Story1	P55	Comb4	29.352	1.123	17.369	8.685	0.065	Ok
Story1	P55	Comb5	29.352	1.123	17.369	8.685	0.065	Ok
Story1	P55	Comb6	29.352	1.123	17.369	8.685	0.065	Ok
Story1	P55	Comb7	36.448	0.811	15.003	7.502	0.054	Ok
Story1	P55	Comb8	36.448	0.811	15.003	7.502	0.054	Ok
Story1	P55	Comb9	36.448	0.811	15.003	7.502	0.054	Ok
Story1	P55	Comb10	33.423	0.810	16.012	8.006	0.051	Ok
Story1	P55	Comb11	22.200	1.124	19.753	9.877	0.057	Ok
Story1	P55	Comb12	22.200	1.124	19.753	9.877	0.057	Ok
Story1	P55	Comb13	22.200	1.124	19.753	9.877	0.057	Ok
Story1	P55	Comb14	22.200	1.124	19.753	9.877	0.057	Ok
Story1	P55	Comb15	29.296	0.812	17.387	8.694	0.047	Ok
Story1	P55	Comb16	29.296	0.812	17.387	8.694	0.047	Ok
Story1	P55	Comb17	29.296	0.812	17.387	8.694	0.047	Ok
Story1	P55	Comb18	29.296	0.812	17.387	8.694	0.047	Ok
Story1	P56	Comb3	145.940	9.644	127.847	63.924	0.075	Ok
Story1	P56	Comb4	145.940	9.644	127.847	63.924	0.075	Ok
Story1	P56	Comb5	145.940	9.644	127.847	63.924	0.075	Ok
Story1	P56	Comb6	145.940	9.644	127.847	63.924	0.075	Ok
Story1	P56	Comb7	169.004	5.638	120.159	60.080	0.047	Ok
Story1	P56	Comb8	169.004	5.638	120.159	60.080	0.047	Ok
Story1	P56	Comb9	169.004	5.638	120.159	60.080	0.047	Ok
Story1	P56	Comb10	150.113	5.636	126.456	63.228	0.045	Ok
Story1	P56	Comb11	104.728	9.620	141.585	70.792	0.068	Ok
Story1	P56	Comb12	104.728	9.620	141.585	70.792	0.068	Ok
Story1	P56	Comb13	104.728	9.620	141.585	70.792	0.068	Ok
Story1	P56	Comb14	104.728	9.620	141.585	70.792	0.068	Ok
Story1	P56	Comb15	127.791	5.614	133.897	66.948	0.042	Ok
Story1	P56	Comb16	127.791	5.614	133.897	66.948	0.042	Ok
Story1	P56	Comb17	127.791	5.614	133.897	66.948	0.042	Ok
Story1	P56	Comb18	127.791	5.614	133.897	66.948	0.042	Ok

Story1	P57	Comb3	73.614	4.924	67.103	33.551	0.073	Ok
Story1	P57	Comb4	73.614	4.924	67.103	33.551	0.073	Ok
Story1	P57	Comb5	73.614	4.924	67.103	33.551	0.073	Ok
Story1	P57	Comb6	73.614	4.924	67.103	33.551	0.073	Ok
Story1	P57	Comb7	74.001	2.354	66.974	33.487	0.035	Ok
Story1	P57	Comb8	74.001	2.354	66.974	33.487	0.035	Ok
Story1	P57	Comb9	74.001	2.354	66.974	33.487	0.035	Ok
Story1	P57	Comb10	63.558	2.365	70.455	35.228	0.034	Ok
Story1	P57	Comb11	48.184	4.954	75.580	37.790	0.066	Ok
Story1	P57	Comb12	48.184	4.954	75.580	37.790	0.066	Ok
Story1	P57	Comb13	48.184	4.954	75.580	37.790	0.066	Ok
Story1	P57	Comb14	48.184	4.954	75.580	37.790	0.066	Ok
Story1	P57	Comb15	48.570	2.385	75.451	37.726	0.032	Ok
Story1	P57	Comb16	48.570	2.385	75.451	37.726	0.032	Ok
Story1	P57	Comb17	48.570	2.385	75.451	37.726	0.032	Ok
Story1	P57	Comb18	48.570	2.385	75.451	37.726	0.032	Ok
Story1	P58	Comb3	22.488	1.093	16.263	8.131	0.067	Ok
Story1	P58	Comb4	22.488	1.093	16.263	8.131	0.067	Ok
Story1	P58	Comb5	22.488	1.093	16.263	8.131	0.067	Ok
Story1	P58	Comb6	22.488	1.093	16.263	8.131	0.067	Ok
Story1	P58	Comb7	20.877	0.487	16.800	8.400	0.029	Ok
Story1	P58	Comb8	20.877	0.487	16.800	8.400	0.029	Ok
Story1	P58	Comb9	20.877	0.487	16.800	8.400	0.029	Ok
Story1	P58	Comb10	18.081	0.486	17.732	8.866	0.027	Ok
Story1	P58	Comb11	15.683	1.087	18.531	9.266	0.059	Ok
Story1	P58	Comb12	15.683	1.087	18.531	9.266	0.059	Ok
Story1	P58	Comb13	15.683	1.087	18.531	9.266	0.059	Ok
Story1	P58	Comb14	15.683	1.087	18.531	9.266	0.059	Ok
Story1	P58	Comb15	14.072	0.481	19.068	9.534	0.025	Ok
Story1	P58	Comb16	14.072	0.481	19.068	9.534	0.025	Ok
Story1	P58	Comb17	14.072	0.481	19.068	9.534	0.025	Ok
Story1	P58	Comb18	14.072	0.481	19.068	9.534	0.025	Ok
Story1	P59	Comb3	198.074	17.141	107.075	53.537	0.160	Ok
Story1	P59	Comb4	198.074	17.141	107.075	53.537	0.160	Ok
Story1	P59	Comb5	198.074	17.141	107.075	53.537	0.160	Ok
Story1	P59	Comb6	198.074	17.141	107.075	53.537	0.160	Ok
Story1	P59	Comb7	181.853	13.141	112.482	56.241	0.117	Ok
Story1	P59	Comb8	181.853	13.141	112.482	56.241	0.117	Ok
Story1	P59	Comb9	181.853	13.141	112.482	56.241	0.117	Ok
Story1	P59	Comb10	158.870	13.122	120.143	60.072	0.109	Ok
Story1	P59	Comb11	141.608	17.088	125.897	62.949	0.136	Ok
Story1	P59	Comb12	141.608	17.088	125.897	62.949	0.136	Ok
Story1	P59	Comb13	141.608	17.088	125.897	62.949	0.136	Ok

Story1	P59	Comb14	141.608	17.088	125.897	62.949	0.136	Ok
Story1	P59	Comb15	125.387	13.089	131.304	65.652	0.100	Ok
Story1	P59	Comb16	125.387	13.089	131.304	65.652	0.100	Ok
Story1	P59	Comb17	125.387	13.089	131.304	65.652	0.100	Ok
Story1	P59	Comb18	125.387	13.089	131.304	65.652	0.100	Ok
Story1	P60	Comb3	111.607	9.751	74.803	37.402	0.130	Ok
Story1	P60	Comb4	111.607	9.751	74.803	37.402	0.130	Ok
Story1	P60	Comb5	111.607	9.751	74.803	37.402	0.130	Ok
Story1	P60	Comb6	111.607	9.751	74.803	37.402	0.130	Ok
Story1	P60	Comb7	150.993	7.770	61.675	30.837	0.126	Ok
Story1	P60	Comb8	150.993	7.770	61.675	30.837	0.126	Ok
Story1	P60	Comb9	150.993	7.770	61.675	30.837	0.126	Ok
Story1	P60	Comb10	138.630	7.786	65.796	32.898	0.118	Ok
Story1	P60	Comb11	83.340	9.825	84.226	42.113	0.117	Ok
Story1	P60	Comb12	83.340	9.825	84.226	42.113	0.117	Ok
Story1	P60	Comb13	83.340	9.825	84.226	42.113	0.117	Ok
Story1	P60	Comb14	83.340	9.825	84.226	42.113	0.117	Ok
Story1	P60	Comb15	122.726	7.843	71.097	35.549	0.110	Ok
Story1	P60	Comb16	122.726	7.843	71.097	35.549	0.110	Ok
Story1	P60	Comb17	122.726	7.843	71.097	35.549	0.110	Ok
Story1	P60	Comb18	122.726	7.843	71.097	35.549	0.110	Ok
Story1	P61	Comb3	45.857	3.376	28.838	14.419	0.117	Ok
Story1	P61	Comb4	45.857	3.376	28.838	14.419	0.117	Ok
Story1	P61	Comb5	45.857	3.376	28.838	14.419	0.117	Ok
Story1	P61	Comb6	45.857	3.376	28.838	14.419	0.117	Ok
Story1	P61	Comb7	45.379	2.590	28.997	14.499	0.089	Ok
Story1	P61	Comb8	45.379	2.590	28.997	14.499	0.089	Ok
Story1	P61	Comb9	45.379	2.590	28.997	14.499	0.089	Ok
Story1	P61	Comb10	39.235	2.580	31.045	15.523	0.083	Ok
Story1	P61	Comb11	29.747	3.335	34.208	17.104	0.098	Ok
Story1	P61	Comb12	29.747	3.335	34.208	17.104	0.098	Ok
Story1	P61	Comb13	29.747	3.335	34.208	17.104	0.098	Ok
Story1	P61	Comb14	29.747	3.335	34.208	17.104	0.098	Ok
Story1	P61	Comb15	29.269	2.550	34.367	17.184	0.074	Ok
Story1	P61	Comb16	29.269	2.550	34.367	17.184	0.074	Ok
Story1	P61	Comb17	29.269	2.550	34.367	17.184	0.074	Ok
Story1	P61	Comb18	29.269	2.550	34.367	17.184	0.074	Ok
Story1	P62	Comb3	42.177	2.831	23.276	11.638	0.122	Ok
Story1	P62	Comb4	42.177	2.831	23.276	11.638	0.122	Ok
Story1	P62	Comb5	42.177	2.831	23.276	11.638	0.122	Ok
Story1	P62	Comb6	42.177	2.831	23.276	11.638	0.122	Ok
Story1	P62	Comb7	41.968	2.031	23.346	11.673	0.087	Ok
Story1	P62	Comb8	41.968	2.031	23.346	11.673	0.087	Ok

Story1	P62	Comb9	41.968	2.031	23.346	11.673	0.087	Ok
Story1	P62	Comb10	36.367	2.031	25.213	12.607	0.081	Ok
Story1	P62	Comb11	26.896	2.837	28.370	14.185	0.100	Ok
Story1	P62	Comb12	26.896	2.837	28.370	14.185	0.100	Ok
Story1	P62	Comb13	26.896	2.837	28.370	14.185	0.100	Ok
Story1	P62	Comb14	26.896	2.837	28.370	14.185	0.100	Ok
Story1	P62	Comb15	26.687	2.036	28.440	14.220	0.072	Ok
Story1	P62	Comb16	26.687	2.036	28.440	14.220	0.072	Ok
Story1	P62	Comb17	26.687	2.036	28.440	14.220	0.072	Ok
Story1	P62	Comb18	26.687	2.036	28.440	14.220	0.072	Ok
Story1	P63	Comb3	73.299	5.514	43.449	21.725	0.127	Ok
Story1	P63	Comb4	73.299	5.514	43.449	21.725	0.127	Ok
Story1	P63	Comb5	73.299	5.514	43.449	21.725	0.127	Ok
Story1	P63	Comb6	73.299	5.514	43.449	21.725	0.127	Ok
Story1	P63	Comb7	72.215	3.710	43.811	21.905	0.085	Ok
Story1	P63	Comb8	72.215	3.710	43.811	21.905	0.085	Ok
Story1	P63	Comb9	72.215	3.710	43.811	21.905	0.085	Ok
Story1	P63	Comb10	62.310	3.711	47.112	23.556	0.079	Ok
Story1	P63	Comb11	47.865	5.511	51.927	25.964	0.106	Ok
Story1	P63	Comb12	47.865	5.511	51.927	25.964	0.106	Ok
Story1	P63	Comb13	47.865	5.511	51.927	25.964	0.106	Ok
Story1	P63	Comb14	47.865	5.511	51.927	25.964	0.106	Ok
Story1	P63	Comb15	46.780	3.706	52.289	26.144	0.071	Ok
Story1	P63	Comb16	46.780	3.706	52.289	26.144	0.071	Ok
Story1	P63	Comb17	46.780	3.706	52.289	26.144	0.071	Ok
Story1	P63	Comb18	46.780	3.706	52.289	26.144	0.071	Ok
Story1	P64	Comb3	122.281	7.091	30.516	15.258	0.232	Ok
Story1	P64	Comb4	122.281	7.091	30.516	15.258	0.232	Ok
Story1	P64	Comb5	122.281	7.091	30.516	15.258	0.232	Ok
Story1	P64	Comb6	122.281	7.091	30.516	15.258	0.232	Ok
Story1	P64	Comb7	160.972	4.856	17.619	8.809	0.276	Ok
Story1	P64	Comb8	160.972	4.856	17.619	8.809	0.276	Ok
Story1	P64	Comb9	160.972	4.856	17.619	8.809	0.276	Ok
Story1	P64	Comb10	149.361	4.769	21.489	10.745	0.222	Ok
Story1	P64	Comb11	88.603	6.800	41.742	20.871	0.163	Ok
Story1	P64	Comb12	88.603	6.800	41.742	20.871	0.163	Ok
Story1	P64	Comb13	88.603	6.800	41.742	20.871	0.163	Ok
Story1	P64	Comb14	88.603	6.800	41.742	20.871	0.163	Ok
Story1	P64	Comb15	127.294	4.566	28.845	14.423	0.158	Ok
Story1	P64	Comb16	127.294	4.566	28.845	14.423	0.158	Ok
Story1	P64	Comb17	127.294	4.566	28.845	14.423	0.158	Ok
Story1	P64	Comb18	127.294	4.566	28.845	14.423	0.158	Ok
Story1	P65	Comb3	98.356	5.801	28.309	14.154	0.205	Ok

Story1	P65	Comb4	98.356	5.801	28.309	14.154	0.205	Ok
Story1	P65	Comb5	98.356	5.801	28.309	14.154	0.205	Ok
Story1	P65	Comb6	98.356	5.801	28.309	14.154	0.205	Ok
Story1	P65	Comb7	103.863	5.189	26.473	13.237	0.196	Ok
Story1	P65	Comb8	103.863	5.189	26.473	13.237	0.196	Ok
Story1	P65	Comb9	103.863	5.189	26.473	13.237	0.196	Ok
Story1	P65	Comb10	95.069	5.123	29.404	14.702	0.174	Ok
Story1	P65	Comb11	77.271	5.610	35.337	17.668	0.159	Ok
Story1	P65	Comb12	77.271	5.610	35.337	17.668	0.159	Ok
Story1	P65	Comb13	77.271	5.610	35.337	17.668	0.159	Ok
Story1	P65	Comb14	77.271	5.610	35.337	17.668	0.159	Ok
Story1	P65	Comb15	82.778	4.998	33.502	16.751	0.149	Ok
Story1	P65	Comb16	82.778	4.998	33.502	16.751	0.149	Ok
Story1	P65	Comb17	82.778	4.998	33.502	16.751	0.149	Ok
Story1	P65	Comb18	82.778	4.998	33.502	16.751	0.149	Ok
Story1	P66	Comb3	43.939	2.341	15.901	7.950	0.147	Ok
Story1	P66	Comb4	43.939	2.341	15.901	7.950	0.147	Ok
Story1	P66	Comb5	43.939	2.341	15.901	7.950	0.147	Ok
Story1	P66	Comb6	43.939	2.341	15.901	7.950	0.147	Ok
Story1	P66	Comb7	42.473	2.028	16.389	8.195	0.124	Ok
Story1	P66	Comb8	42.473	2.028	16.389	8.195	0.124	Ok
Story1	P66	Comb9	42.473	2.028	16.389	8.195	0.124	Ok
Story1	P66	Comb10	37.433	2.028	18.069	9.035	0.112	Ok
Story1	P66	Comb11	29.065	2.344	20.859	10.429	0.112	Ok
Story1	P66	Comb12	29.065	2.344	20.859	10.429	0.112	Ok
Story1	P66	Comb13	29.065	2.344	20.859	10.429	0.112	Ok
Story1	P66	Comb14	29.065	2.344	20.859	10.429	0.112	Ok
Story1	P66	Comb15	27.599	2.032	21.347	10.674	0.095	Ok
Story1	P66	Comb16	27.599	2.032	21.347	10.674	0.095	Ok
Story1	P66	Comb17	27.599	2.032	21.347	10.674	0.095	Ok
Story1	P66	Comb18	27.599	2.032	21.347	10.674	0.095	Ok
Story1	P67	Comb3	44.988	2.772	15.551	7.776	0.178	Ok
Story1	P67	Comb4	44.988	2.772	15.551	7.776	0.178	Ok
Story1	P67	Comb5	44.988	2.772	15.551	7.776	0.178	Ok
Story1	P67	Comb6	44.988	2.772	15.551	7.776	0.178	Ok
Story1	P67	Comb7	45.159	2.405	15.494	7.747	0.155	Ok
Story1	P67	Comb8	45.159	2.405	15.494	7.747	0.155	Ok
Story1	P67	Comb9	45.159	2.405	15.494	7.747	0.155	Ok
Story1	P67	Comb10	39.115	2.398	17.509	8.754	0.137	Ok
Story1	P67	Comb11	27.798	2.741	21.281	10.640	0.129	Ok
Story1	P67	Comb12	27.798	2.741	21.281	10.640	0.129	Ok
Story1	P67	Comb13	27.798	2.741	21.281	10.640	0.129	Ok
Story1	P67	Comb14	27.798	2.741	21.281	10.640	0.129	Ok

Story1	P67	Comb15	27.969	2.374	21.224	10.612	0.112	Ok
Story1	P67	Comb16	27.969	2.374	21.224	10.612	0.112	Ok
Story1	P67	Comb17	27.969	2.374	21.224	10.612	0.112	Ok
Story1	P67	Comb18	27.969	2.374	21.224	10.612	0.112	Ok
Story1	P68	Comb3	49.230	2.543	14.137	7.068	0.180	Ok
Story1	P68	Comb4	49.230	2.543	14.137	7.068	0.180	Ok
Story1	P68	Comb5	49.230	2.543	14.137	7.068	0.180	Ok
Story1	P68	Comb6	49.230	2.543	14.137	7.068	0.180	Ok
Story1	P68	Comb7	49.774	2.207	13.956	6.978	0.158	Ok
Story1	P68	Comb8	49.774	2.207	13.956	6.978	0.158	Ok
Story1	P68	Comb9	49.774	2.207	13.956	6.978	0.158	Ok
Story1	P68	Comb10	43.497	2.219	16.048	8.024	0.138	Ok
Story1	P68	Comb11	30.814	2.591	20.276	10.138	0.128	Ok
Story1	P68	Comb12	30.814	2.591	20.276	10.138	0.128	Ok
Story1	P68	Comb13	30.814	2.591	20.276	10.138	0.128	Ok
Story1	P68	Comb14	30.814	2.591	20.276	10.138	0.128	Ok
Story1	P68	Comb15	31.358	2.255	20.095	10.047	0.112	Ok
Story1	P68	Comb16	31.358	2.255	20.095	10.047	0.112	Ok
Story1	P68	Comb17	31.358	2.255	20.095	10.047	0.112	Ok
Story1	P68	Comb18	31.358	2.255	20.095	10.047	0.112	Ok
Story1	P69	Comb3	107.760	8.374	48.933	24.466	0.171	Ok
Story1	P69	Comb4	107.760	8.374	48.933	24.466	0.171	Ok
Story1	P69	Comb5	107.760	8.374	48.933	24.466	0.171	Ok
Story1	P69	Comb6	107.760	8.374	48.933	24.466	0.171	Ok
Story1	P69	Comb7	139.224	7.473	38.445	19.222	0.194	Ok
Story1	P69	Comb8	139.224	7.473	38.445	19.222	0.194	Ok
Story1	P69	Comb9	139.224	7.473	38.445	19.222	0.194	Ok
Story1	P69	Comb10	127.105	7.453	42.484	21.242	0.175	Ok
Story1	P69	Comb11	77.498	8.316	59.020	29.510	0.141	Ok
Story1	P69	Comb12	77.498	8.316	59.020	29.510	0.141	Ok
Story1	P69	Comb13	77.498	8.316	59.020	29.510	0.141	Ok
Story1	P69	Comb14	77.498	8.316	59.020	29.510	0.141	Ok
Story1	P69	Comb15	108.962	7.414	48.532	24.266	0.153	Ok
Story1	P69	Comb16	108.962	7.414	48.532	24.266	0.153	Ok
Story1	P69	Comb17	108.962	7.414	48.532	24.266	0.153	Ok
Story1	P69	Comb18	108.962	7.414	48.532	24.266	0.153	Ok
Story1	P70	Comb3	47.372	2.847	14.756	7.378	0.193	Ok
Story1	P70	Comb4	47.372	2.847	14.756	7.378	0.193	Ok
Story1	P70	Comb5	47.372	2.847	14.756	7.378	0.193	Ok
Story1	P70	Comb6	47.372	2.847	14.756	7.378	0.193	Ok
Story1	P70	Comb7	47.013	2.614	14.876	7.438	0.176	Ok
Story1	P70	Comb8	47.013	2.614	14.876	7.438	0.176	Ok
Story1	P70	Comb9	47.013	2.614	14.876	7.438	0.176	Ok

Story1	P70	Comb10	41.018	2.606	16.874	8.437	0.154	Ok
Story1	P70	Comb11	29.730	2.800	20.637	10.319	0.136	Ok
Story1	P70	Comb12	29.730	2.800	20.637	10.319	0.136	Ok
Story1	P70	Comb13	29.730	2.800	20.637	10.319	0.136	Ok
Story1	P70	Comb14	29.730	2.800	20.637	10.319	0.136	Ok
Story1	P70	Comb15	29.371	2.568	20.757	10.378	0.124	Ok
Story1	P70	Comb16	29.371	2.568	20.757	10.378	0.124	Ok
Story1	P70	Comb17	29.371	2.568	20.757	10.378	0.124	Ok
Story1	P70	Comb18	29.371	2.568	20.757	10.378	0.124	Ok
Story1	P71	Comb3	43.021	2.715	16.207	8.103	0.168	Ok
Story1	P71	Comb4	43.021	2.715	16.207	8.103	0.168	Ok
Story1	P71	Comb5	43.021	2.715	16.207	8.103	0.168	Ok
Story1	P71	Comb6	43.021	2.715	16.207	8.103	0.168	Ok
Story1	P71	Comb7	43.578	2.532	16.021	8.010	0.158	Ok
Story1	P71	Comb8	43.578	2.532	16.021	8.010	0.158	Ok
Story1	P71	Comb9	43.578	2.532	16.021	8.010	0.158	Ok
Story1	P71	Comb10	37.758	2.532	17.961	8.981	0.141	Ok
Story1	P71	Comb11	26.643	2.731	21.666	10.833	0.126	Ok
Story1	P71	Comb12	26.643	2.731	21.666	10.833	0.126	Ok
Story1	P71	Comb13	26.643	2.731	21.666	10.833	0.126	Ok
Story1	P71	Comb14	26.643	2.731	21.666	10.833	0.126	Ok
Story1	P71	Comb15	27.200	2.547	21.480	10.740	0.119	Ok
Story1	P71	Comb16	27.200	2.547	21.480	10.740	0.119	Ok
Story1	P71	Comb17	27.200	2.547	21.480	10.740	0.119	Ok
Story1	P71	Comb18	27.200	2.547	21.480	10.740	0.119	Ok
Story1	P72	Comb3	51.975	2.478	13.222	6.611	0.187	Ok
Story1	P72	Comb4	51.975	2.478	13.222	6.611	0.187	Ok
Story1	P72	Comb5	51.975	2.478	13.222	6.611	0.187	Ok
Story1	P72	Comb6	51.975	2.478	13.222	6.611	0.187	Ok
Story1	P72	Comb7	52.640	2.343	13.001	6.500	0.180	Ok
Story1	P72	Comb8	52.640	2.343	13.001	6.500	0.180	Ok
Story1	P72	Comb9	52.640	2.343	13.001	6.500	0.180	Ok
Story1	P72	Comb10	45.946	2.362	15.232	7.616	0.155	Ok
Story1	P72	Comb11	31.843	2.530	19.933	9.966	0.127	Ok
Story1	P72	Comb12	31.843	2.530	19.933	9.966	0.127	Ok
Story1	P72	Comb13	31.843	2.530	19.933	9.966	0.127	Ok
Story1	P72	Comb14	31.843	2.530	19.933	9.966	0.127	Ok
Story1	P72	Comb15	32.507	2.395	19.711	9.856	0.122	Ok
Story1	P72	Comb16	32.507	2.395	19.711	9.856	0.122	Ok
Story1	P72	Comb17	32.507	2.395	19.711	9.856	0.122	Ok
Story1	P72	Comb18	32.507	2.395	19.711	9.856	0.122	Ok
Story1	P73	Comb3	82.463	5.452	30.212	15.106	0.180	Ok
Story1	P73	Comb4	82.463	5.452	30.212	15.106	0.180	Ok

Story1	P73	Comb5	82.463	5.452	30.212	15.106	0.180	Ok
Story1	P73	Comb6	82.463	5.452	30.212	15.106	0.180	Ok
Story1	P73	Comb7	83.631	5.271	29.823	14.911	0.177	Ok
Story1	P73	Comb8	83.631	5.271	29.823	14.911	0.177	Ok
Story1	P73	Comb9	83.631	5.271	29.823	14.911	0.177	Ok
Story1	P73	Comb10	72.947	5.287	33.384	16.692	0.158	Ok
Story1	P73	Comb11	51.681	5.537	40.473	20.236	0.137	Ok
Story1	P73	Comb12	51.681	5.537	40.473	20.236	0.137	Ok
Story1	P73	Comb13	51.681	5.537	40.473	20.236	0.137	Ok
Story1	P73	Comb14	51.681	5.537	40.473	20.236	0.137	Ok
Story1	P73	Comb15	52.849	5.356	40.083	20.042	0.134	Ok
Story1	P73	Comb16	52.849	5.356	40.083	20.042	0.134	Ok
Story1	P73	Comb17	52.849	5.356	40.083	20.042	0.134	Ok
Story1	P73	Comb18	52.849	5.356	40.083	20.042	0.134	Ok
Story1	P74	Comb3	74.371	4.397	15.939	7.969	0.276	Ok
Story1	P74	Comb4	74.371	4.397	15.939	7.969	0.276	Ok
Story1	P74	Comb5	74.371	4.397	15.939	7.969	0.276	Ok
Story1	P74	Comb6	74.371	4.397	15.939	7.969	0.276	Ok
Story1	P74	Comb7	102.967	4.679	6.407	3.203	0.730	Ok
Story1	P74	Comb8	102.967	4.679	6.407	3.203	0.730	Ok
Story1	P74	Comb9	102.967	4.679	6.407	3.203	0.730	Ok
Story1	P74	Comb10	95.791	6.983	8.799	4.400	0.794	Ok
Story1	P74	Comb11	56.328	9.792	21.953	10.977	0.446	Ok
Story1	P74	Comb12	56.328	9.792	21.953	10.977	0.446	Ok
Story1	P74	Comb13	56.328	9.792	21.953	10.977	0.446	Ok
Story1	P74	Comb14	56.328	9.792	21.953	10.977	0.446	Ok
Story1	P74	Comb15	84.924	10.425	12.421	6.211	0.839	Ok
Story1	P74	Comb16	84.924	10.425	12.421	6.211	0.839	Ok
Story1	P74	Comb17	84.924	10.425	12.421	6.211	0.839	Ok
Story1	P74	Comb18	84.924	10.425	12.421	6.211	0.839	Ok

## Chequeo por aplastamiento:

**D.10.7.8 — VERIFICACIÓN POR APLASTAMIENTO DEL ALMA DEL MURO** — Debe verificarse que el paño de muro enmarcado por las vigas y columnas de confinamiento, no falle por aplastamiento. Para el efecto se considera una biela de compresión en la diagonal del muro, la cual tiene un ancho efectivo igual a un quinto de la longitud de la diagonal. Debe cumplirse la condición:

$$P_{ud} \leq \phi P_{nd} \quad (\text{D.10.7-19})$$

La fuerza axial que actúa en la diagonal,  $P_{ud}$ , se obtiene por medio de:

$$P_{ud} = \frac{h'}{\ell_w} V_u \quad (\text{D.10.7-20})$$

Donde  $h'$  es la longitud de la diagonal del paño de muro entre elementos de confinamiento,  $\ell_w$  es la longitud total del muro sobre el cual actúa el cortante horizontal de diseño solicitado  $V_u$ . La resistencia nominal al aplastamiento se obtiene por medio de la ecuación D.10.7-3. Allí hay que emplear una longitud para evaluación de pandeo  $h'$  igual a la dimensión de la diagonal del muro en el paño en estudio, y un espesor efectivo para pandeo  $t$ , igual al espesor del muro. El área de la biela de compresión  $A_{md}$  es igual al ancho efectivo de la biela,  $h'/5$ , multiplicada por el espesor efectivo del muro,  $b$ , para efectos en la dirección paralela al plano del muro, tal como se define en D.5.4.4.2.

La resistencia nominal a la compresión de la mampostería sola,  $P_{nd}$ , sin contribución de los elementos de confinamiento, está definida por:

$$P_{nd} = 0.80(0.80f'_m A_{md})R_e \quad (\text{D.10.7-3})$$

donde  $A_{md}$  es el área de la sección de mampostería, y  $R_e$  se obtiene por medio de:

$$R_e = 1 - \left[ \frac{h'}{42t} \right]^2 \quad \text{para } h'/t \leq 30 \quad (\text{D.10.7-4})$$

$$R_e = \left[ \frac{21t}{h'} \right]^2 \quad \text{para } h'/t > 30$$

Piso	Pier	Caso	P (kN)	h' (m)	Pud (kN)	B (m)	Re	$\phi P_{nd}$ (kN)	Chequea
Story2	P01	Envolvente	9.211	2.864	43.959	0.573	0.677	232.327	OK
Story2	P02	Envolvente	6.847	2.828	48.413	0.566	0.685	232.145	OK
Story2	P03	Envolvente	8.574	2.941	28.020	0.588	0.659	232.375	OK
Story2	P04	Envolvente	35.299	4.561	44.719	0.912	0.305	166.823	OK
Story2	P05	Envolvente	32.569	8.760	34.372	1.752	0.083	86.857	OK
Story2	P06	Envolvente	16.948	8.760	17.887	1.752	0.083	86.857	OK
Story2	P07	Envolvente	6.688	5.048	8.039	1.010	0.249	150.726	OK
Story2	P08	Envolvente	8.134	4.252	10.808	0.850	0.351	178.932	OK
Story2	P09	Envolvente	15.455	15.849	15.702	3.170	0.025	48.004	OK
Story2	P10	Envolvente	1.218	3.688	1.872	0.738	0.467	206.309	OK
Story2	P11	Envolvente	1.349	3.276	2.600	0.655	0.578	226.674	OK
Story2	P12	Envolvente	0.966	3.176	2.045	0.635	0.603	229.399	OK
Story2	P13	Envolvente	0.053	2.864	0.251	0.573	0.677	232.327	OK
Story2	P14	Envolvente	0.342	2.844	1.948	0.569	0.682	232.240	OK

Story2	P15	Envolvente	22.158	7.912	23.691	1.582	0.101	96.161	OK
Story2	P16	Envolvente	11.553	7.725	12.396	1.545	0.106	98.486	OK
Story2	P17	Envolvente	5.236	3.561	8.475	0.712	0.501	213.661	OK
Story2	P18	Envolvente	7.897	3.500	13.161	0.700	0.518	217.106	OK
Story2	P19	Envolvente	23.907	5.994	27.038	1.199	0.177	126.928	OK
Story2	P20	Envolvente	25.976	5.994	29.378	1.199	0.177	126.928	OK
Story2	P21	Envolvente	10.117	3.688	15.546	0.738	0.467	206.309	OK
Story2	P22	Envolvente	6.468	3.384	11.519	0.677	0.549	222.665	OK
Story2	P23	Envolvente	10.274	3.624	16.186	0.725	0.484	209.969	OK
Story2	P24	Envolvente	7.932	3.441	13.647	0.688	0.534	220.096	OK
Story2	P25	Envolvente	3.839	3.008	10.498	0.602	0.644	232.011	OK
Story2	P26	Envolvente	7.379	3.688	11.338	0.738	0.467	206.309	OK
Story2	P27	Envolvente	1.815	2.886	7.484	0.577	0.672	232.392	OK
Story2	P28	Envolvente	0.756	2.844	4.299	0.569	0.682	232.240	OK
Story2	P29	Envolvente	1.904	3.046	4.833	0.609	0.635	231.636	OK
Story2	P30	Envolvente	1.739	3.176	3.684	0.635	0.603	229.399	OK
Story2	P31	Envolvente	3.334	3.384	5.938	0.677	0.549	222.665	OK
Story2	P32	Envolvente	0.365	2.941	1.191	0.588	0.659	232.375	OK
Story2	P33	Envolvente	1.051	2.912	3.824	0.582	0.666	232.415	OK
Story2	P34	Envolvente	0.069	3.046	0.176	0.609	0.635	231.636	OK
Story2	P35	Envolvente	0.367	2.864	1.750	0.573	0.677	232.327	OK
Story2	P36	Envolvente	1.179	2.941	3.854	0.588	0.659	232.375	OK
Story2	P37	Envolvente	1.051	2.973	3.124	0.595	0.652	232.249	OK
Story2	P38	Envolvente	1.876	2.941	6.130	0.588	0.659	232.375	OK
Story2	P39	Envolvente	4.675	2.941	15.277	0.588	0.659	232.375	OK
Story2	P40	Envolvente	1.241	3.754	1.863	0.751	0.451	202.690	OK
Story2	P41	Envolvente	1.124	2.941	3.673	0.588	0.659	232.375	OK
Story2	P42	Envolvente	0.719	2.941	2.349	0.588	0.659	232.375	OK
Story2	P43	Envolvente	1.955	2.941	6.389	0.588	0.659	232.375	OK
Story2	P44	Envolvente	2.908	2.973	8.645	0.595	0.652	232.249	OK
Story2	P45	Envolvente	10.913	2.886	44.995	0.577	0.672	232.392	OK
Story2	P46	Envolvente	38.496	4.482	49.300	0.896	0.316	169.745	OK
Story2	P47	Envolvente	17.233	11.448	17.773	2.290	0.048	66.461	OK
Story2	P48	Envolvente	7.483	5.818	8.537	1.164	0.188	130.770	OK
Story2	P49	Envolvente	1.343	4.328	1.762	0.866	0.339	175.800	OK
Story2	P50	Envolvente	1.421	3.087	3.375	0.617	0.625	231.096	OK
Story2	P51	Envolvente	20.569	3.008	56.252	0.602	0.644	232.011	OK
Story2	P52	Envolvente	2.365	5.818	2.698	1.164	0.188	130.770	OK
Story2	P53	Envolvente	3.654	3.087	8.677	0.617	0.625	231.096	OK
Story2	P54	Envolvente	0.747	3.960	1.057	0.792	0.405	192.138	OK
Story2	P55	Envolvente	0.878	2.973	2.611	0.595	0.652	232.249	OK
Story2	P56	Envolvente	10.789	2.912	39.271	0.582	0.666	232.415	OK
Story2	P57	Envolvente	3.214	5.906	3.650	1.181	0.182	128.825	OK

Story2	P58	Envolvente	0.075	3.890	0.108	0.778	0.420	195.599	OK
Story2	P59	Envolvente	22.387	2.886	92.302	0.577	0.672	232.392	OK
Story2	P60	Envolvente	9.256	5.818	10.559	1.164	0.188	130.770	OK
Story2	P61	Envolvente	2.207	4.328	2.895	0.866	0.339	175.800	OK
Story2	P62	Envolvente	2.676	3.087	6.356	0.617	0.625	231.096	OK
Story2	P63	Envolvente	4.303	3.008	11.768	0.602	0.644	232.011	OK
Story2	P64	Envolvente	11.545	3.441	19.863	0.688	0.534	220.096	OK
Story2	P65	Envolvente	5.207	3.500	8.678	0.700	0.518	217.106	OK
Story2	P66	Envolvente	1.706	3.329	3.154	0.666	0.564	224.847	OK
Story2	P67	Envolvente	1.643	2.941	5.369	0.588	0.659	232.375	OK
Story2	P68	Envolvente	2.348	2.941	7.673	0.588	0.659	232.375	OK
Story2	P69	Envolvente	6.452	2.941	21.084	0.588	0.659	232.375	OK
Story2	P70	Envolvente	1.725	3.754	2.590	0.751	0.451	202.690	OK
Story2	P71	Envolvente	1.489	2.941	4.865	0.588	0.659	232.375	OK
Story2	P72	Envolvente	1.182	2.941	3.862	0.588	0.659	232.375	OK
Story2	P73	Envolvente	2.984	2.941	9.752	0.588	0.659	232.375	OK
Story2	P74	Envolvente	3.792	3.276	7.307	0.655	0.578	226.674	OK
Story1	P01	Envolvente	6.911	2.864	32.981	0.573	0.677	232.327	OK
Story1	P02	Envolvente	3.223	2.828	22.792	0.566	0.685	232.145	OK
Story1	P03	Envolvente	7.730	2.941	25.260	0.588	0.659	232.375	OK
Story1	P04	Envolvente	21.533	4.561	27.280	0.912	0.305	166.823	OK
Story1	P05	Envolvente	46.676	8.760	49.260	1.752	0.083	86.857	OK
Story1	P06	Envolvente	72.177	8.760	76.173	1.752	0.083	86.857	OK
Story1	P07	Envolvente	34.805	5.048	41.830	1.010	0.249	150.726	OK
Story1	P08	Envolvente	28.800	4.252	38.268	0.850	0.351	178.932	OK
Story1	P09	Envolvente	44.369	15.849	45.078	3.170	0.025	48.004	OK
Story1	P10	Envolvente	15.158	3.688	23.292	0.738	0.467	206.309	OK
Story1	P11	Envolvente	10.396	3.276	20.032	0.655	0.578	226.674	OK
Story1	P12	Envolvente	8.713	3.176	18.452	0.635	0.603	229.399	OK
Story1	P13	Envolvente	2.467	2.864	11.776	0.573	0.677	232.327	OK
Story1	P14	Envolvente	2.117	2.844	12.041	0.569	0.682	232.240	OK
Story1	P15	Envolvente	56.887	7.912	60.823	1.582	0.101	96.161	OK
Story1	P16	Envolvente	46.158	7.725	49.526	1.545	0.106	98.486	OK
Story1	P17	Envolvente	26.049	3.561	42.163	0.712	0.501	213.661	OK
Story1	P18	Envolvente	26.373	3.500	43.956	0.700	0.518	217.106	OK
Story1	P19	Envolvente	83.706	5.994	94.669	1.199	0.177	126.928	OK
Story1	P20	Envolvente	85.826	5.994	97.067	1.199	0.177	126.928	OK
Story1	P21	Envolvente	42.934	3.688	65.972	0.738	0.467	206.309	OK
Story1	P22	Envolvente	31.977	3.384	56.949	0.677	0.549	222.665	OK
Story1	P23	Envolvente	48.876	3.624	77.001	0.725	0.484	209.969	OK
Story1	P24	Envolvente	40.906	3.441	70.378	0.688	0.534	220.096	OK
Story1	P25	Envolvente	10.163	3.008	27.794	0.602	0.644	232.011	OK
Story1	P26	Envolvente	23.009	3.688	35.355	0.738	0.467	206.309	OK

Story1	P27	Envolvente	5.887	2.886	24.274	0.577	0.672	232.392	OK
Story1	P28	Envolvente	3.580	2.844	20.366	0.569	0.682	232.240	OK
Story1	P29	Envolvente	10.791	3.046	27.393	0.609	0.635	231.636	OK
Story1	P30	Envolvente	12.259	3.176	25.959	0.635	0.603	229.399	OK
Story1	P31	Envolvente	16.400	3.384	29.208	0.677	0.549	222.665	OK
Story1	P32	Envolvente	6.420	2.941	20.979	0.588	0.659	232.375	OK
Story1	P33	Envolvente	6.017	2.912	21.903	0.582	0.666	232.415	OK
Story1	P34	Envolvente	8.981	3.046	22.798	0.609	0.635	231.636	OK
Story1	P35	Envolvente	4.565	2.864	21.789	0.573	0.677	232.327	OK
Story1	P36	Envolvente	7.676	2.941	25.085	0.588	0.659	232.375	OK
Story1	P37	Envolvente	8.269	2.973	24.586	0.595	0.652	232.249	OK
Story1	P38	Envolvente	8.409	2.941	27.478	0.588	0.659	232.375	OK
Story1	P39	Envolvente	26.131	3.754	39.235	0.751	0.451	202.690	OK
Story1	P40	Envolvente	8.644	2.941	28.248	0.588	0.659	232.375	OK
Story1	P41	Envolvente	8.973	2.941	29.322	0.588	0.659	232.375	OK
Story1	P42	Envolvente	8.497	2.941	27.768	0.588	0.659	232.375	OK
Story1	P43	Envolvente	10.683	2.973	31.764	0.595	0.652	232.249	OK
Story1	P44	Envolvente	9.156	2.886	37.752	0.577	0.672	232.392	OK
Story1	P45	Envolvente	25.748	4.482	32.974	0.896	0.316	169.745	OK
Story1	P46	Envolvente	50.844	11.448	52.436	2.290	0.048	66.461	OK
Story1	P47	Envolvente	50.593	5.818	57.716	1.164	0.188	130.770	OK
Story1	P48	Envolvente	29.281	4.328	38.401	0.866	0.339	175.800	OK
Story1	P49	Envolvente	9.900	3.087	23.510	0.617	0.625	231.096	OK
Story1	P50	Envolvente	8.318	3.008	22.748	0.602	0.644	232.011	OK
Story1	P51	Envolvente	56.449	5.818	64.397	1.164	0.188	130.770	OK
Story1	P52	Envolvente	4.627	3.087	10.987	0.617	0.625	231.096	OK
Story1	P53	Envolvente	12.430	3.960	17.578	0.792	0.405	192.138	OK
Story1	P54	Envolvente	3.935	2.973	11.700	0.595	0.652	232.249	OK
Story1	P55	Envolvente	3.794	2.912	13.811	0.582	0.666	232.415	OK
Story1	P56	Envolvente	32.550	5.906	36.969	1.181	0.182	128.825	OK
Story1	P57	Envolvente	16.721	3.890	24.089	0.778	0.420	195.599	OK
Story1	P58	Envolvente	3.690	2.886	15.215	0.577	0.672	232.392	OK
Story1	P59	Envolvente	57.851	5.818	65.996	1.164	0.188	130.770	OK
Story1	P60	Envolvente	132.631	4.328	173.940	0.866	0.339	175.800	OK
Story1	P61	Envolvente	45.570	3.087	108.214	0.617	0.625	231.096	OK
Story1	P62	Envolvente	38.298	3.008	104.738	0.602	0.644	232.011	OK
Story1	P63	Envolvente	74.441	3.441	128.073	0.688	0.534	220.096	OK
Story1	P64	Envolvente	95.725	3.500	159.542	0.700	0.518	217.106	OK
Story1	P65	Envolvente	78.310	3.329	144.815	0.666	0.564	224.847	OK
Story1	P66	Envolvente	31.647	2.941	103.417	0.588	0.659	232.375	OK
Story1	P67	Envolvente	37.428	2.941	122.310	0.588	0.659	232.375	OK
Story1	P68	Envolvente	34.981	2.941	114.312	0.588	0.659	232.375	OK
Story1	P69	Envolvente	113.056	3.754	169.749	0.751	0.451	202.690	OK

Story1	P70	Envolvente	38.435	2.941	125.601	0.588	0.659	232.375	OK
Story1	P71	Envolvente	36.864	2.941	120.466	0.588	0.659	232.375	OK
Story1	P72	Envolvente	34.156	2.941	111.617	0.588	0.659	232.375	OK
Story1	P73	Envolvente	74.748	3.276	144.029	0.655	0.578	226.674	OK
Story1	P74	Envolvente	63.166	3.046	160.353	0.609	0.635	231.636	OK

## 9. DISEÑO DE VIGAS:

### D.10.6 — VIGAS DE CONFINAMIENTO

**D.10.6.1 — GENERAL** — Se consideran vigas de confinamiento los elementos de concreto reforzado que se colocan en la parte inferior y superior de muros confinados. Las vigas de amarre se vacian directamente sobre los muros estructurales que confinan. La viga de cimentación se considera como una viga de amarre y debe cumplir los requisitos mínimos de las vigas de amarre.

**D.10.6.2 — DIMENSIONES MÍNIMAS** — Las dimensiones mínimas para las vigas de confinamiento debe ser las siguientes:

**D.10.6.2.1 — Espesor mínimo** — El espesor mínimo de las vigas de confinamiento debe ser el mismo del muro confinado.

**D.10.6.2.2 — Área mínima** — El área mínima de la sección transversal de los elementos de confinamiento es de 20 000 mm<sup>2</sup> (200 cm<sup>2</sup>). En caso de utilizarse una losa de entrepiso maciza de espesor superior o igual a 100 mm, se puede prescindir de las vigas de amarre en la zona ocupada por este tipo de losa, colocando el refuerzo requerido para la viga dentro de la losa. En vigas que requieran enchaparse, el ancho especificado puede reducirse hasta en 75 mm, siempre y cuando se incremente su altura, de tal manera que el área transversal no sea inferior al mínimo.

#### VIGA EJE 6

VIGAS	b (cm)	30
	d (cm)	35
	h (cm)	40

f'c (Mpa)	24.5
fy (Mpa)	420

Pmin	0.0034
Vc	8.84

Longitud (m)	4.2
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bcol (m)	0.3
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bcol (m)	0.3
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PISO 2	EJE 6						
	0.225	0.7	1.3	2.4	3.2	3.5	4.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	21.03	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	19.20	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	10.87	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	8.75	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y d/2)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>7.64</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm<sup>2</sup>  
cm<sup>2</sup>

Longitud (m)	4.2
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bcol (m)	0.3
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bcol (m)	0.3
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**PISO 2 EJE 6**

	0.225	0.7	1.3	2.4	3.2	3.5	4.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	21.03	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	19.20	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	10.87	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	8.75	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y d/2)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>7.64</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m)	4.2
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bcol (m)	0.3
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bcol (m)	0.3
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**PISO 2 EJE 6**

	0.225	0.7	1.3	2.4	3.2	3.5	4.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	21.03	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	19.20	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	10.87	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	8.75	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y d/2)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>7.64</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 6

	0.225	0.7	1.3	2.4	3.2	3.5	4.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	21.03	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	19.20	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	10.87	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	8.75	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>7.64</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 6

	0.225	0.7	1.3	2.4	3.2	3.5	4.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	21.03	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	19.20	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	10.87	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	8.75	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>7.64</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m) 5.2

bcol (m) 0.3

bcol (m) 0.3

**PISO 2 EJE 6**

	0.225	0.7	1.4	2.5	3.4	4.5	5.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	0
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	0.00
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	30.02	29.10	18.67	4.8	14.6	27.5	29.2
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	31.19	29.96	16.06	-2.44	10.63	27.83	30.10
d/4 o d/2 =	8.75	8.75	17.50	17.50	17.50	8.75	8.75
s =	6.69	6.97	13.00	-85.71	19.63	7.50	6.94
s (usar)	6.69	6.97	13.00	17.50	17.50	7.50	6.94
Vpr(1)	7.06	7.06				-3.53	-3.53
Vpr(2)	-3.53	-3.53				7.06	7.06
Vu (vertical)	29.70	28.70	18.00	3.04	12.98	27.70	28.70
Ve dis	33.23	32.23				31.23	32.23
0.5*Ve dis	16.62	16.12				15.62	16.12
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	5.88	6.11				6.36	6.11
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>5.88</b>	<b>6.11</b>	<b>13.00</b>	<b>17.50</b>	<b>17.50</b>	<b>6.36</b>	<b>6.11</b>

(m)  
cm<sup>2</sup>  
cm<sup>2</sup>

**VIGA EJE 1**

<b>VIGAS</b>	<b>b (cm)</b>	30
	<b>d (cm)</b>	35
	<b>h (cm)</b>	40

<b>f'c (Mpa)</b>	24.5
<b>fy (Mpa)</b>	420

<b>Pmin</b>	0.0034
<b>Vc</b>	8.84

Longitud (m) 5.82

bcol (m) 0.3

bcol (m) 0.3

**PISO 2 EJE 1**

	0.225	0.7	1.5	2.6	3.5	5.12	5.82
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	32.2	26.70	3.6	4.4	18.5	30.7	31.04
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	34.10	26.76	-4.04	-2.97	15.83	32.10	32.55
d/4 o d/2 =	8.75	8.75	17.50	17.50	17.50	8.75	8.75
s =	6.12	7.80	-51.73	-70.32	13.19	6.50	6.41
s (usar)	6.12	7.80	17.50	17.50	13.19	6.50	6.41
Vpr(1)	6.31	6.31				-6.31	-6.31
Vpr(2)	-6.31	-6.31				6.31	6.31
Vu (vertical)	28.98	26.50	13.00	2.50	17.80	29.90	31.86
Ve dis	35.29	32.81				36.21	38.17
0.5*Ve dis	17.64	16.40				18.10	19.08
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	5.46	5.98				5.29	4.96
Smax (d/4 y d/2)	8.75	8.75	17.5	17.5	8.75	8.75	8.75
<b>S min (cm)</b>	<b>5.46</b>	<b>5.98</b>	<b>17.50</b>	<b>17.50</b>	<b>8.75</b>	<b>5.29</b>	<b>4.96</b>

(m)  
cm<sup>2</sup>  
cm<sup>2</sup>

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 1

	0.225	0.7	1.3	2.4	3.2	3.5	4.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	21.03	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	19.20	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	10.87	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	8.75	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y d/2)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>7.64</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm<sup>2</sup>  
cm<sup>2</sup>

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 1

	0.225	0.7	1.3	2.4	3.2	3.5	4.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	21.03	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	19.20	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	10.87	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	8.75	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y d/2)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>7.64</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm<sup>2</sup>  
cm<sup>2</sup>

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 1

	0.225	0.7	1.3	2.4	3.2	3.5	4.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	21.03	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	19.20	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	10.87	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	8.75	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>7.64</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 1

	0.225	0.7	1.3	2.4	3.2	3.5	4.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	21.03	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	19.20	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	10.87	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	8.75	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>7.64</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 1

	0.225	0.7	1.3	2.4	3.2	4.5	5.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	30.02	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	31.19	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	6.69	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	6.69	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>6.69</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 1

	0.225	0.7	1.3	2.4	3.2	4.5	5.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	30.02	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	31.19	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	6.69	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	6.69	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>6.69</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 1

	0.225	0.7	1.3	2.4	3.2	4.5	5.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	30.02	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	31.19	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	6.69	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	6.69	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>6.69</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 1

	0.225	0.7	1.3	2.4	3.2	4.5	5.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	30.02	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	31.19	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	6.69	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	6.69	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>6.69</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 1

	0.225	0.7	1.3	2.4	3.2	4.5	5.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	11.61
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	30.02	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	31.19	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	6.69	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	6.69	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-8.74	-8.74
Vpr(2)	-8.74	-8.74				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	27.11	25.84				30.24	31.61
0.5*Ve dis	13.56	12.92				15.12	15.81
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	7.64	8.15				6.63	6.27
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>6.69</b>	<b>8.15</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>6.63</b>	<b>6.27</b>

(m)  
cm^2  
cm^2

Longitud (m) 4.2

bcol (m) 0.3

bcol (m) 0.3

PISO 2 EJE 1

	0.225	0.7	1.3	2.4	3.2	4.5	5.2
As Max	10.00	10.00	10.00	10.00	10.00	10.00	10.00
As Min	10.00	10.00	10.00	10.00	10.00	10.00	10.00
# Barras Sup	3#7	3#7	3#7	3#7	3#7	3#7	3#7
# Barras Inf	3#7	3#7	3#7	3#7	3#7	3#7	3#7
As Sup	11.61	11.61	11.61	11.61	11.61	11.61	0
As Inf	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Mpr sup	18.36	18.36	18.36	18.36	18.36	18.36	0.00
Mpr Inf	18.36	18.36	18.36	18.36	18.36	18.36	18.36
Vu (envolvente)	30.02	18.40	9.2	10.3	12.7	21.6	24.3
Vc =				8.84			
Vs1 =				17.15			
Vs2 =				34.30			
Vs =	31.19	15.70	3.43	4.90	8.10	19.96	23.56
d/4 o d/2 =	8.75	17.50	17.50	17.50	17.50	8.75	8.75
s =	6.69	13.30	60.83	42.62	25.78	10.46	8.86
s (usar)	6.69	13.30	17.50	17.50	17.50	8.75	8.75
Vpr(1)	8.74	8.74				-4.37	-4.37
Vpr(2)	-4.37	-4.37				8.74	8.74
Vu (vertical)	18.37	17.10	6.70	4.08	8.50	21.50	22.87
Ve dis	22.74	21.47				25.87	27.24
0.5*Ve dis	11.37	10.74				12.94	13.62
	Usar Vc	Usar Vc				Usar Vc	Usar Vc
Separacion s	9.71	10.55				8.13	7.59
Smax (d/4 y c)	8.75	8.75	17.5	17.5	17.5	8.75	8.75
<b>S min (cm)</b>	<b>6.69</b>	<b>8.75</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	<b>8.13</b>	<b>7.59</b>

(m)  
cm^2  
cm^2

## 10. DISEÑO DE COLUMNETAS:

### D.10.5 — COLUMNAS DE CONFINAMIENTO

**D.10.5.1 — GENERAL** — Se consideran columnas de confinamiento los elementos de concreto reforzado que se colocan en los dos bordes del muro que confinan y en puntos intermedios dentro del muro. Las columnas de confinamiento deben ser continuas desde la cimentación hasta la parte superior del muro y se deben vaciar directamente contra el muro con posterioridad al alzado de los muros estructurales de cada piso.

**D.10.5.2 — DIMENSIONES MÍNIMAS** — Las dimensiones mínimas para los elementos de confinamiento debe ser las siguientes:

**D.10.5.2.1 — Espesor mínimo** — El espesor mínimo de los elementos de confinamiento debe ser el mismo del muro confinado.

**D.10.5.2.2 — Área mínima** — El área mínima de la sección transversal de los elementos de confinamiento es de 20 000 mm<sup>2</sup> (200 cm<sup>2</sup>).

**D.10.5.3 — UBICACIÓN** — Deben colocarse columnas de confinamiento en los siguientes lugares:

- (a) En los extremos de todos los muros estructurales.
- (b) En las intersecciones con otros muros estructurales.
- (c) En lugares intermedios a distancias no mayores de 35 veces el espesor efectivo del muro, 1.5 veces la distancia vertical entre elementos horizontales de confinamiento ó 4 m.

**D.10.5.4 — REFUERZO MÍNIMO** — El refuerzo mínimo de la columna de confinamiento debe ser el siguiente:

(a) **Refuerzo longitudinal** - No debe ser menor de 3 barras N° 3 (3/8") ó 10M (10 mm). El área de refuerzo longitudinal debe ser mayor o igual a 0.0075 veces el área de la sección bruta del elemento, pero el refuerzo longitudinal no puede ser menor al requerido para atender los esfuerzos de diseño de acuerdo a D.10.7.

(b) **Refuerzo transversal** – Debe utilizarse refuerzo transversal consistente en estribos cerrados mínimo de diámetro N° 2 (1/4") ó 6M (6 mm), espaciados a una separación no mayor de 1.5 veces la menor dimensión del elemento, o 200 mm. En ningún caso, el refuerzo transversal puede ser menos que el requerido para atender los esfuerzos de diseño, de acuerdo con D.10.7.

## 11. DISEÑO DE LOSA:

Resistencia al Cortante de Elementos de Concreto no Presforzados:

C.11.2.1 – Se debe calcular  $V_c$  siguiendo los requisitos de C.11.2.1.1 a C.11.2.1.3, a menos que se realice un cálculo más detallado, según C.11.2.2. A todo lo largo del Capítulo 11, excepto en C.11.6, con  $\lambda$  que debe usarse como se define en C.8.6.1.

C.11.2.1.1 – Para elementos sometidos únicamente a cortante y flexión:

$$V_c = 0.17\lambda\sqrt{f'_c}b_wd \quad (C.11 - 3)$$

$$V_c = 0.17\sqrt{21MPa} * 10cm * 1.2cm = 9.35 kN$$

$$\phi V_n = 0.75 * 93.5 = 70.13 \frac{kN}{m} \text{ (Ok)}$$

Diseño a Flexión de la Losas Macizas:

M11							
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Mu (-) = -13.019 Mn/m (#3@20)				Mu (-) = 6.672 Mn/m (#3@30)			
d (cm)	12	B1	0.85	d (cm)	9	B1	0.85
B (cm)	100	p (-)	0.0041	B (cm)	100	p (-)	-.-
F'c (Mpa)	21	p (+)	-.-	F'c (Mpa)	21	p (+)	0.0061
As (-) [cm <sup>2</sup> ]	3.6	Fy (Mpa)	420	As (-) [cm <sup>2</sup> ]	2.38	Fy (Mpa)	420
d' (m)	3	Mn (-) [kN-m]	17.36	d' (m)	3	Mn (-) [kN-m]	8.72
		ΦMn [kN-m]	15.63			ΦMn [kN-m]	7.84

M22							
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Mu (-) = -18.506 Mn/m (#4@25)				Mu (-) = 10.391 Mn/m (#3@20)			
d (cm)	12	B1	0.85	d (cm)	9	B1	0.85
B (cm)	100	p (-)	0.0033	B (cm)	100	p (-)	-.-
F'c (Mpa)	21	p (+)	-.-	F'c (Mpa)	21	p (+)	0.0033
As (-) [cm <sup>2</sup> ]	5.2	Fy (Mpa)	420	As (-) [cm <sup>2</sup> ]	3.57	Fy (Mpa)	420
d' (m)	3	Mn (-) [kN-m]	24.69	d' (m)	3	Mn (-) [kN-m]	12.86
		ΦMn [kN-m]	22.22			ΦMn [kN-m]	11.58

Refuerzo=	Parilla #4 @25 cm
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## 12. DISEÑO CIMENTACIÓN:

Definición y selección de combinaciones de carga

Para la determinar las cargas que actúan sobre las zapatas se proponen tres combinaciones de carga, a las cuales se les definió como combinaciones de servicio, y su respectiva envolvente a la cual se le denomina envolvente de servicio.

Las combinaciones de servicio se presentan a continuación:

- CARGA MUERTA + 1.0 CARGA VIVA
- CARGA MUERTA + 0.75 CARGA VIVA + 0.75 SISMO X DE DISEÑO
- CARGA MUERTA + 0.75 CARGA VIVA + 0.75 SISMO Y DE DISEÑO

TABLE: Joint Reactions							
Story	Unique Name	Output Case	FX	FY	FZ	MX	MY
Base	3	Serv 1	3.3061	1.3542	38.6623	-1.149	2.7009
Base	3	Serv 2	6.3288	1.5884	38.2332	-0.7215	6.2834
Base	3	Serv 2	-0.0824	0.9936	35.6172	-1.4647	-1.1814
Base	3	Serv 3	6.4852	2.5442	37.7902	0.5678	6.2028
Base	3	Serv 3	-0.2388	0.0377	36.0602	-2.754	-1.1008
Base	3	Serv Envolvente	6.4852	2.5442	38.6623	0.5678	6.2834
Base	3	Serv Envolvente	-0.2388	0.0377	35.6172	-2.754	-1.1814
Base	7	Serv 1	-0.6852	3.4517	69.1904	-2.84	-0.5508
Base	7	Serv 2	2.3433	3.3248	65.9843	-2.5424	3.0784
Base	7	Serv 2	-3.6405	3.1437	65.3179	-2.778	-4.1221
Base	7	Serv 3	2.3051	4.0857	66.8835	-1.2141	2.8503
Base	7	Serv 3	-3.6024	2.3828	64.4187	-4.1064	-3.894
Base	7	Serv Envolvente	2.3433	4.0857	69.1904	-1.2141	3.0784
Base	7	Serv Envolvente	-3.6405	2.3828	64.4187	-4.1064	-4.1221
Base	11	Serv 1	0.3358	2.0399	61.6942	-1.6925	0.2802
Base	11	Serv 2	3.1489	2.1436	58.8759	-1.2844	3.648
Base	11	Serv 2	-2.5366	1.7112	58.3184	-1.9112	-3.1367
Base	11	Serv 3	3.3506	3.8123	59.8528	1.1274	3.7214
Base	11	Serv 3	-2.7383	0.0424	57.3415	-4.323	-3.2101
Base	11	Serv Envolvente	3.3506	3.8123	61.6942	1.1274	3.7214
Base	11	Serv Envolvente	-2.7383	0.0424	57.3415	-4.323	-3.2101
Base	15	Serv 1	-0.2499	2.3995	66.2289	-1.9908	-0.2097
Base	15	Serv 2	2.5917	2.66	63.0508	-1.3121	3.1271
Base	15	Serv 2	-3.0711	1.8877	62.5207	-2.4576	-3.5279
Base	15	Serv 3	3.0047	5.142	64.4501	2.1597	3.5056
Base	15	Serv 3	-3.4841	-0.5942	61.1214	-5.9293	-3.9064
Base	15	Serv Envolvente	3.0047	5.142	66.2289	2.1597	3.5056

Base	15	Serv Envolvente	-3.4841	-0.5942	61.1214	-5.9293	-3.9064
Base	19	Serv 1	-0.2883	1.0514	57.9975	-0.8791	-0.2561
Base	19	Serv 2	2.4506	1.6205	55.5299	-0.0295	2.9544
Base	19	Serv 2	-3.0236	0.4365	54.5929	-1.6867	-3.4574
Base	19	Serv 3	3.0949	4.6562	57.0956	4.2937	3.6462
Base	19	Serv 3	-3.6679	-2.5992	53.0272	-6.0099	-4.1491
Base	19	Serv Envolvente	3.0949	4.6562	57.9975	4.2937	3.6462
Base	19	Serv Envolvente	-3.6679	-2.5992	53.0272	-6.0099	-4.1491
Base	23	Serv 1	2.6228	3.0166	75.9249	-2.453	2.1075
Base	23	Serv 2	5.0787	3.4839	72.48	-1.4328	5.1284
Base	23	Serv 2	-0.1822	2.2083	71.2097	-3.1986	-1.1889
Base	23	Serv 3	5.9386	6.8498	74.6701	3.2753	6.1164
Base	23	Serv 3	-1.0421	-1.1576	69.0197	-7.9067	-2.1769
Base	23	Serv Envolvente	5.9386	6.8498	75.9249	3.2753	6.1164
Base	23	Serv Envolvente	-1.0421	-1.1576	69.0197	-7.9067	-2.1769
Base	27	Serv 1	-5.6807	4.7013	59.34	-3.7928	-4.6786
Base	27	Serv 2	-0.568	5.0897	58.6832	-2.8151	0.2598
Base	27	Serv 2	-10.2734	3.8432	53.6789	-4.3971	-9.1807
Base	27	Serv 3	0.8353	9.6729	58.4712	3.2035	1.8424
Base	27	Serv 3	-11.6768	-0.74	53.8909	-10.4158	-10.7633
Base	27	Serv Envolvente	0.8353	9.6729	59.34	3.2035	1.8424
Base	27	Serv Envolvente	-11.6768	-0.74	53.6789	-10.4158	-10.7633
Base	31	Serv 1	-8.3394	-0.8314	91.8699	0.7138	-6.8018
Base	31	Serv 2	-5.0845	-0.1986	88.1242	1.4791	-3.2167
Base	31	Serv 2	-10.7662	-1.3471	85.4697	-0.1566	-9.7082
Base	31	Serv 3	-5.4777	4.5521	88.4612	7.5159	-3.6369
Base	31	Serv 3	-10.373	-6.0978	85.1327	-6.1933	-9.288
Base	31	Serv Envolvente	-5.0845	4.5521	91.8699	7.5159	-3.2167
Base	31	Serv Envolvente	-10.7662	-6.0978	85.1327	-6.1933	-9.7082
Base	35	Serv 1	-11.2036	0.5341	84.993	-0.417	-9.107
Base	35	Serv 2	-6.0426	1.025	80.6606	0.3646	-4.6663
Base	35	Serv 2	-14.9726	-0.0225	79.6631	-1.1508	-12.4152
Base	35	Serv 3	-8.337	5.5844	80.3983	6.1668	-6.5957
Base	35	Serv 3	-12.6782	-4.5819	79.9254	-6.9529	-10.4858
Base	35	Serv Envolvente	-6.0426	5.5844	84.993	6.1668	-4.6663
Base	35	Serv Envolvente	-14.9726	-4.5819	79.6631	-6.9529	-12.4152
Base	39	Serv 1	-9.0952	-0.6414	86.5923	0.53	-7.4153
Base	39	Serv 2	-7.2972	0.0654	83.557	1.4108	-4.9121
Base	39	Serv 2	-9.8431	-1.2606	80.2647	-0.425	-9.062
Base	39	Serv 3	-8.0797	4.5573	82.83	7.177	-6.4469
Base	39	Serv 3	-9.0606	-5.7525	80.9917	-6.1912	-7.5272

Base	39	Serv Envolvente	-7.2972	4.5573	86.5923	7.177	-4.9121
Base	39	Serv Envolvente	-9.8431	-5.7525	80.2647	-6.1912	-9.062
Base	43	Serv 1	-7.3187	-0.0633	83.3621	0.061	-5.9806
Base	43	Serv 2	-3.288	0.888	81.3443	1.3326	-1.6865
Base	43	Serv 2	-10.5833	-1.0444	76.4889	-1.1896	-9.6476
Base	43	Serv 3	-4.2497	5.3742	80.2709	7.145	-2.9183
Base	43	Serv 3	-9.6215	-5.5305	77.5623	-7.0019	-8.4157
Base	43	Serv Envolvente	-3.288	5.3742	83.3621	7.145	-1.6865
Base	43	Serv Envolvente	-10.5833	-5.5305	76.4889	-7.0019	-9.6476
Base	47	Serv 1	-4.5577	-2.815	47.0117	2.3095	-3.7276
Base	47	Serv 2	-0.3348	-1.6651	47.2585	3.5671	1.1391
Base	47	Serv 2	-8.2838	-3.7321	41.8753	0.8572	-8.1887
Base	47	Serv 3	0.0986	2.9372	47.048	9.5073	1.8793
Base	47	Serv 3	-8.7172	-8.3344	42.0858	-5.083	-8.9289
Base	47	Serv Envolvente	0.0986	2.9372	47.2585	9.5073	1.8793
Base	47	Serv Envolvente	-8.7172	-8.3344	41.8753	-5.083	-8.9289
Base	51	Serv 1	-0.6934	-3.4143	71.5569	2.7893	-0.5828
Base	51	Serv 2	1.6982	-2.9022	67.9384	3.103	2.2543
Base	51	Serv 2	-2.9288	-3.5512	67.4603	2.1689	-3.2912
Base	51	Serv 3	1.0668	-1.6377	68.5596	4.8987	1.323
Base	51	Serv 3	-2.2975	-4.8156	66.8391	0.3731	-2.3599
Base	51	Serv Envolvente	1.6982	-1.6377	71.5569	4.8987	2.2543
Base	51	Serv Envolvente	-2.9288	-4.8156	66.8391	0.3731	-3.2912
Base	55	Serv 1	-0.013	-3.4503	71.8582	2.8215	-0.0227
Base	55	Serv 2	2.4936	-2.77	68.3507	3.3842	2.9567
Base	55	Serv 2	-2.4885	-3.7636	67.681	1.9572	-2.9763
Base	55	Serv 3	2.0082	-1.1391	69.4165	5.7197	2.2802
Base	55	Serv 3	-2.0031	-5.3945	66.6153	-0.3783	-2.2998
Base	55	Serv Envolvente	2.4936	-1.1391	71.8582	5.7197	2.9567
Base	55	Serv Envolvente	-2.4885	-5.3945	66.6153	-0.3783	-2.9763
Base	59	Serv 1	-0.3376	-3.33	69.5161	2.7226	-0.2894
Base	59	Serv 2	2.3351	-2.6203	66.243	3.3192	2.9186
Base	59	Serv 2	-2.9465	-3.6559	65.5756	1.8113	-3.4441
Base	59	Serv 3	2.1885	-0.8676	67.3486	5.921	2.7211
Base	59	Serv 3	-2.7998	-5.4086	64.47	-0.7904	-3.2465
Base	59	Serv Envolvente	2.3351	-0.8676	69.5161	5.921	2.9186
Base	59	Serv Envolvente	-2.9465	-5.4086	64.47	-0.7904	-3.4441
Base	63	Serv 1	-0.0581	-4.4327	71.8098	3.621	-0.0627
Base	63	Serv 2	2.8797	-3.7188	68.432	4.0287	3.4903
Base	63	Serv 2	-2.98	-4.5886	67.6858	2.758	-3.6011
Base	63	Serv 3	3.109	-1.9949	69.7609	6.6845	3.8257

Base	63	Serv 3	-3.2094	-6.3125	66.3569	0.1022	-3.9365
Base	63	Serv Envolvente	3.109	-1.9949	71.8098	6.6845	3.8257
Base	63	Serv Envolvente	-3.2094	-6.3125	66.3569	0.1022	-3.9365
Base	67	Serv 1	0.7846	-4.9186	74.7915	4.0138	0.6256
Base	67	Serv 2	3.9414	-4.1784	71.6386	4.4229	4.5129
Base	67	Serv 2	-2.4626	-5.031	70.1113	3.0935	-3.3345
Base	67	Serv 3	4.5454	-1.4937	74.4961	8.1796	5.339
Base	67	Serv 3	-3.0665	-7.7157	67.2538	-0.6632	-4.1606
Base	67	Serv Envolvente	4.5454	-1.4937	74.7915	8.1796	5.339
Base	67	Serv Envolvente	-3.0665	-7.7157	67.2538	-0.6632	-4.1606
Base	71	Serv 1	-0.5876	-2.9504	70.3376	2.4214	-0.5041
Base	71	Serv 2	1.9507	-2.635	66.5887	2.5256	2.5319
Base	71	Serv 2	-2.9829	-2.9578	66.2523	2.061	-3.4219
Base	71	Serv 3	0.9332	-1.4351	67.2981	4.3051	0.9876
Base	71	Serv 3	-1.9654	-4.1578	65.5429	0.2815	-1.8777
Base	71	Serv Envolvente	1.9507	-1.4351	70.3376	4.3051	2.5319
Base	71	Serv Envolvente	-2.9829	-4.1578	65.5429	0.2815	-3.4219
Base	75	Serv 1	-0.2652	-2.7627	74.2589	2.2766	-0.2361
Base	75	Serv 2	2.1412	-2.5002	69.9589	2.4549	2.6271
Base	75	Serv 2	-2.5622	-2.8253	69.6839	1.9276	-3.0087
Base	75	Serv 3	1.3245	-1.2112	70.4955	4.257	1.4001
Base	75	Serv 3	-1.7455	-4.1143	69.1474	0.1255	-1.7816
Base	75	Serv Envolvente	2.1412	-1.2112	74.2589	4.257	2.6271
Base	75	Serv Envolvente	-2.5622	-4.1143	69.1474	0.1255	-3.0087
Base	79	Serv 1	-0.1231	-3.8403	81.0017	3.1567	-0.1248
Base	79	Serv 2	2.2728	-3.3976	76.8197	3.3287	2.6999
Base	79	Serv 2	-2.4642	-3.9521	75.4294	2.709	-2.9015
Base	79	Serv 3	1.5318	-2.6012	77.2581	4.6269	1.6146
Base	79	Serv 3	-1.7232	-4.7485	74.991	1.4108	-1.8162
Base	79	Serv Envolvente	2.2728	-2.6012	81.0017	4.6269	2.6999
Base	79	Serv Envolvente	-2.4642	-4.7485	74.991	1.4108	-2.9015
Base	83	Serv 1	6.7898	-1.4251	55.3457	1.2251	5.4891
Base	83	Serv 2	10.0551	0.2614	54.2078	3.5827	9.3871
Base	83	Serv 2	2.8699	-3.0924	49.8176	-1.1601	1.0624
Base	83	Serv 3	9.1554	0.7065	55.1979	4.1666	7.7717
Base	83	Serv 3	3.7696	-3.5375	48.8276	-1.744	2.6778
Base	83	Serv Envolvente	10.0551	0.7065	55.3457	4.1666	9.3871
Base	83	Serv Envolvente	2.8699	-3.5375	48.8276	-1.744	1.0624
Base	87	Serv 1	-3.0845	-4.2441	85.1291	3.4888	-2.5555
Base	87	Serv 2	0.0401	-3.2917	81.4491	4.0439	1.1724
Base	87	Serv 2	-5.8308	-4.6612	79.1697	2.4926	-5.9701

Base	87	Serv 3	-1.176	-3.6374	82.8248	3.9869	-0.6596
Base	87	Serv 3	-4.6147	-4.3155	77.794	2.5497	-4.1381
Base	87	Serv Envolverte	0.0401	-3.2917	85.1291	4.0439	1.1724
Base	87	Serv Envolverte	-5.8308	-4.6612	77.794	2.4926	-5.9701
Base	91	Serv 1	0.1351	-4.9446	73.0392	4.0559	0.0763
Base	91	Serv 2	2.8863	-4.3772	69.3577	4.1506	3.3885
Base	91	Serv 2	-2.5881	-4.8704	68.7302	3.4333	-3.2098
Base	91	Serv 3	1.6576	-3.6879	70.2666	5.352	1.5766
Base	91	Serv 3	-1.3595	-5.5598	67.8213	2.2319	-1.3979
Base	91	Serv Envolverte	2.8863	-3.6879	73.0392	5.352	3.3885
Base	91	Serv Envolverte	-2.5881	-5.5598	67.8213	2.2319	-3.2098

<b>DATOS DE ENTRADA</b>	
Espesor Hz [m]	0.3
Pservicio [kN]	53.6789
Púltimo [kN]	75.15046
Momento de servicio 1 [kN-m]	10.4158
Momento último 1 [kN-m]	14.58212
Momento de servicio 2 [kN-m]	10.7633
Momento último 2 [kN-m]	15.06862
Dimensión 1 columna [m]	0.3
Dimension 2 columna [m]	0.3
Factor de mayoración	1.4
Profundidad de desplante [m]	1
Peso unitario del concreto [kN-m3]	24
f'c [Mpa]	24.5
fy [Mpa]	420
Peso unitario del suelo [kN-m3]	17.6
Presión admisible [kN-m2]	116

<b>CHEQUEO DE DIMENSIONES</b>			
<b>ÁREA REQUERIDA</b>			
Qp [kPa]	19.52	Qn(all) [kPa]	96.48
Az [m <sup>2</sup> ]	0.56	L(dis) [m]	3.5
Az (M) [m <sup>2</sup> ]	0.67	Lz [m]	0.82
<b>DIMENSIONES DE DISEÑO</b>			
L1 [m]	1.2	Az [m]	1.44
L2 [m]	1.2		
<b>VERIFICACION DE ESFUERZOS</b>			
<b>DIRECCION 1</b>		<b>DIRECCION 2</b>	
L/6 [m]	0.20	L/6 [m]	0.2
e [m]	0.19404	e [m]	0.20051
Qn(min) [kPa]	1.1	Qn(min) [kPa]	-0.1
Qn(max) [kPa]	73.4	Qn(max) [kPa]	74.6
e [m]	0.194039	e [m]	0.201
Qu(min) [kPa]	1.6	Qu(min) [kPa]	-0.133778
Qu(max) [kPa]	102.8	Qu(max) [kPa]	104.5

<b>CHEQUEO DE CORTANTE A FLEXIÓN</b>			
<b>DIRECCION 1</b>		<b>DIRECCION 2</b>	
d [m]	0.225	d [m]	0.225
Qu2 [kPa]	83.83	Qu2 [kPa]	84.89
Vuf(dis) [kN]	25.20	Vuf(dis) [kN]	25.57
Vuf(all) [kN]	496.99	Vuf(all) [kN]	496.99
<b>CHEQUEO DE CORTANTE POR PUNZONAMIENTO</b>			
<b>DIRECCION 1</b>		<b>DIRECCION 2</b>	
Qu3 [kPa]	30.04	Qu3 [kPa]	29.297121
Qu4 [kPa]	74.34	Qu4 [kPa]	75.08
Qu(prom) [kPa]	52.19	Qu(prom) [kPa]	52.19
Az(punz) [m <sup>2</sup> ]	0.90	Az(punz) [m <sup>2</sup> ]	0.90
Vup (dis) [kN]	47.18	Vup (dis) [kN]	47.177789
Bo [m]	5.541	Bo [m]	5.541
$\beta_c$	1	$\beta_c$	1
$\alpha_s$	40	$\alpha_s$	40
Vcp(1) [kN]	3147.20	Vcp(1) [kN]	3147.20
Vcp(2) [kN]	1856.31	Vcp(2) [kN]	1856.31
Vcp(3) [kN]	2036.42	Vcp(3) [kN]	2036.42
<b>CHEQUEA</b>		<b>CHEQUEA</b>	

<b>CANTIDADES DE ACERO</b>			
<b>DIRECCION 1</b>		<b>DIRECCION 2</b>	
Qu5 [kN]	39.53	Qu5 [kN]	39.11
Qu6 [kN]	64.85	Qu6 [kN]	65.27
Xa [m]	0.24	Xa [m]	0.24
Xb [m]	0.21	Xb [m]	0.21
Ruf kN]	45.27	Ruf kN]	45.84
Mu(dis) [kN-m]	10.95	Mu(dis) [kN-m]	11.11
As req [cm2]	1.30	As req [cm2]	1.31
As [cm2]	4.86	As [cm2]	4.86
Mu(res) [kN-m]	41.13	Mu(res) [kN-m]	40.58
<b>BARRAS #5</b>		<b>BARRAS #5</b>	
No. Barras	3	No. Barras	3
Separacion [m]	0.53	Separacion [m]	0.53
<b>BARRAS #6</b>		<b>BARRAS #6</b>	
No. Barras	2	No. Barras	2
Separacion [m]	1.05	Separacion [m]	1.05
<b>BARRAS #7</b>		<b>BARRAS #7</b>	
No. Barras	2	No. Barras	2
Separacion [m]	1.05	Separacion [m]	1.05

<b>LONGITUD DE DESARROLLO</b>			
<b>DIRECCION 1</b>		<b>DIRECCION 2</b>	
db [cm]	1.9	db [cm]	1.9
$\psi_t$	1	$\psi_t$	1
$\psi_c$	1	$\psi_c$	1
As(req) [cm2]	1.30	As(req) [cm2]	1.31
As(sum) [cm2]	5.70	As(sum) [cm2]	5.7
Ld [cm]	17.48	Ld [cm]	17.69
L(disp) [m]	0.375	L(disp) [m]	0.375
<b>CHEQUEA</b>		<b>CHEQUEA</b>	
<b>FUERZA DE TRANSFERENCIA</b>			
A1 [cm2]	900	A2 [cm2]	22500
Raiz(A2/A1)	2	Phi*Pna [kN]	2436.53
Phi*Pnb [kN]	2436.53	<b>CHEQUEA</b>	

<b>b [m]</b>	0.3	<b>h [m]</b>	0.3
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$$A_{smin} = 0.005 \cdot A_g \text{ (no menos de 4 barras)} \quad C o T = 0.25 \cdot A_a \cdot P_u$$

<b>EJE 1</b>											
<b>Fx [kN]</b>	<b>Fz [kN]</b>	<b>Pu [kN]</b>	<b>C [kN]</b>	<b>T [kN]</b>	<b>T [Ton]</b>	<b>Ag [mm2]</b>	<b>As(min) [mm2]</b>	<b>Refuerzo</b>	<b>As(sum) mm2]</b>	<b>T(res) [Ton]</b>	<b>Check</b>
11.7	53.7	75.2	11.7	16.4	1.6	90000.0	450.0	4#4	508.0	19.2	CHEQUEA

# 13. DISEÑO CUBIERTA



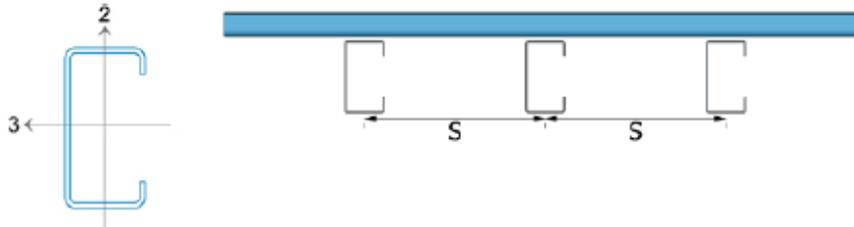
Proyecto: Cotolengo San Bosco  
Uso: Residencial  
Localización: Jamundi  
Fecha de impresión: 05-03-2024

Javeriana Cali

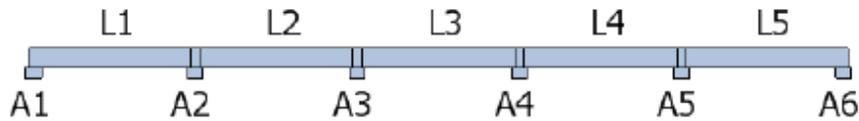
## REPORTE TÉCNICO PARA CORREAS

PHR C 203x67x19-2.5mm,  $F_y = 345 \text{ MPa}$   
Separación (S) 1.20 m  
REGLAMENTO NSR-10 / AISI S100-12

CUMPLE	OBSERVACIONES
	Sin Observaciones



### SECCIÓN LONGITUDINAL



En el diseño se consideran apoyos sin continuidad  
Las solicitaciones se calculan al borde del apoyo

### VISTA EN PLANTA


CONFIGURACIÓN Y PESO POR CORREA

Vano	Arriostamiento del vano	Espesor del perfil (m)	Longitud vano (m)	Longitud correa (m)	Peso propio (kgf/m)	Total (kgf)
1	L	2.50E-03	4.00	4.00	7.03	28.12
2	L	2.50E-03	4.00	4.00	7.03	28.12
3	L	2.50E-03	4.00	4.00	7.03	28.12
4	L	2.50E-03	4.00	4.00	7.03	28.12
5	L	2.50E-03	4.00	4.00	7.03	28.12
						140.60

**APOYOS**

A1	0.10(m)
A2	0.10(m)
A3	0.10(m)
A4	0.10(m)
A5	0.10(m)
A6	0.10(m)

**GEOMETRÍA**

Pendiente en %	8.75%
Pendiente en Grados	5.00°
Separación - S (m)	1.20
Sujeción de cubierta	Sin sujeción

**CARGAS DISTRIBUIDAS UNIFORMES**

Caso de carga	Carga muerta sobrepuesta	Carga viva de cubierta	Carga de granizo	Carga de viento a succión	Carga de viento a compresión
Dirección	Gravedad	Gravedad	Gravedad	Eje 2-2 (+)	Eje 2-2 (-)
Magnitud (kgf/m <sup>2</sup> )	10.00	50.00	0.00	80.00	40.00

**PARÁMETROS DE DISEÑO**

Consideración de cubierta como panel rígido*	NO
Consideración de arrugamiento del alma	NO
Deflexión debido a carga viva de cubierta (L/??)	240.00

**DISEÑO DE LAS CORREAS**

Solicitud	Resistente	Calculada/Requerida	Luz/apoyo	Cumplimiento
Envolvente a flexión	1.00	0.47	5	✓
Envolvente a cortante	1.00	0.04	5	✓
Envolvente a flexión y cortante	1.00	0.44	5	✓
Deflexión (m)	0.0167	1.8012E-03	5	✓

Para el diseño de la cercha se considera que esta no hace parte del sistema sismorresistente de la estructura por lo que solo se consideran las cargas verticales y de viento para su diseño.

Las combinaciones de carga a utilizar se muestran a continuación:

- 1.) 1.4D
- 2.) 1.2D + 1.6L
- 3.) 1.2D + 1.6L + 0.5W
- 4.) 0.9D + 1.0W

## Metaltub Tubería Estructural Cuadrada

[Acabado negro y galvanizado]



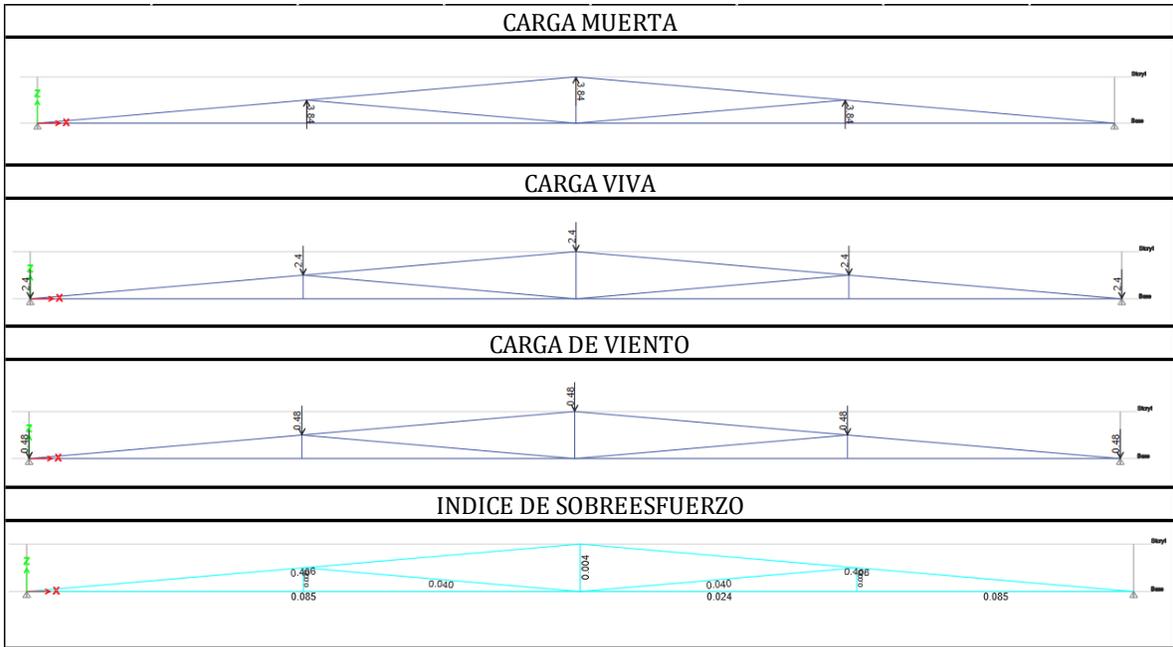
METALTUB TUBERÍA ESTRUCTURAL CUADRADA										UNIDAD DE EMPAQUE		
[ACABADO NEGRO Y GALVANIZADO]												
REFERENCIA	ESPEORES EN MILIMETROS											
	1,5	2,0	2,5	3,0	4,0	5,0	6,0	7,0	8,0		9,0	10,0
Tubos Cuadrados (mm)	Peso Teórico Calculado (kg / m)											
50 x 50	2,34	3,08	3,80									100
	2,33	3,07	3,80									100
60 x 60		3,71	4,59	5,45								64
		3,70	4,58	5,44								36
70 x 70		4,34	5,37	6,39								36
		4,32	5,36	6,38								30
90 x 90		5,59	6,94	8,28								25
		5,58	6,93	8,26								16
100 x 100		6,22	7,73	9,22								12
		6,20	7,71	9,20	12,14	17,75						12
120 x 120					14,81							9
135 x 135					16,49	24,58						4
150 x 150					18,58	27,41			40,08			
200 x 200						30,88	42,70		54,21*			
220 x 220							47,09		59,86*			
250 x 250									68,34			
300 x 300										91,25		

Estructural Galvanizado A500 Grado C

Estructural Negro A500 Grado C

\*Producción bajo pedido

CERCHA CORTE A-A' (VER PLANO CUBIERTA):



CERCHA CORTE B-B' (VER PLANO CUBIERTA):

