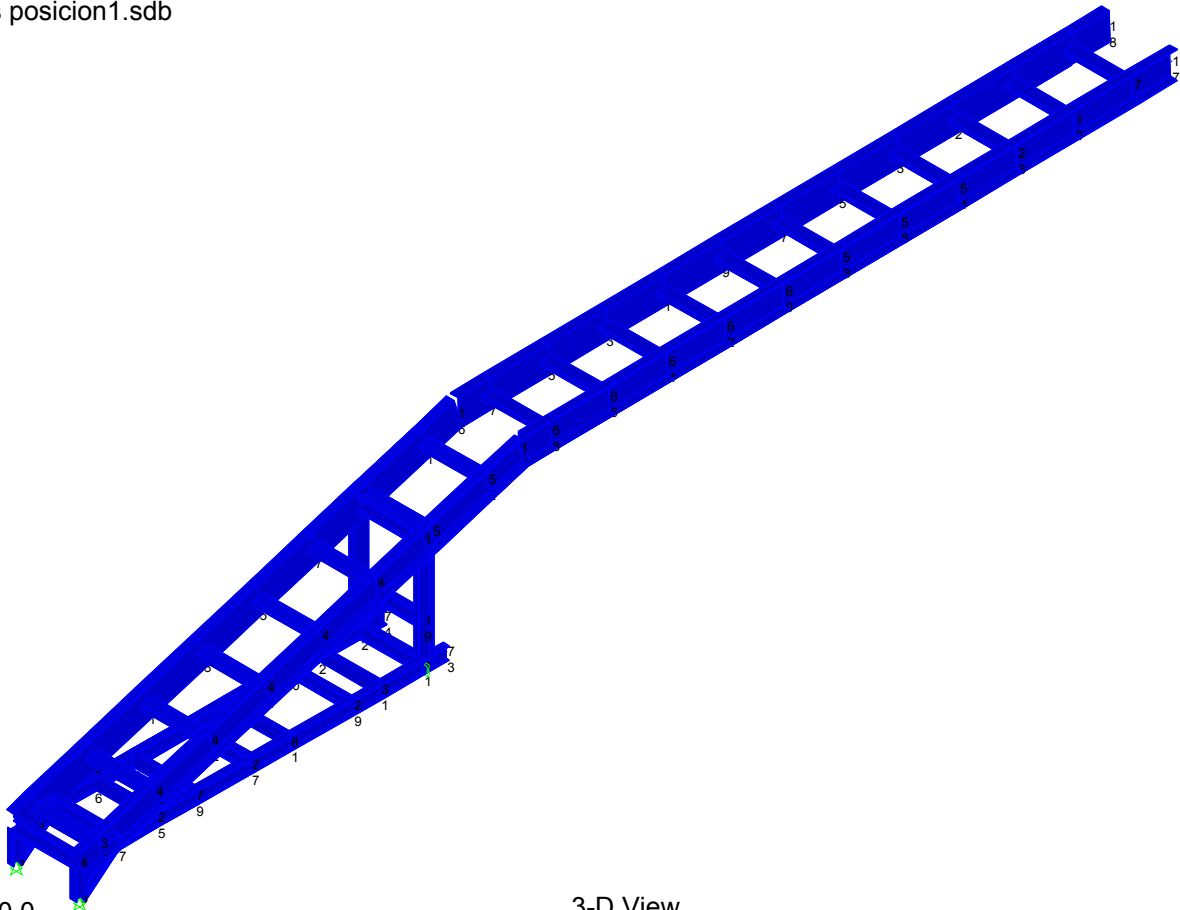


ANEXO 5

Banda sacos posicion1.sdb

20/04/18



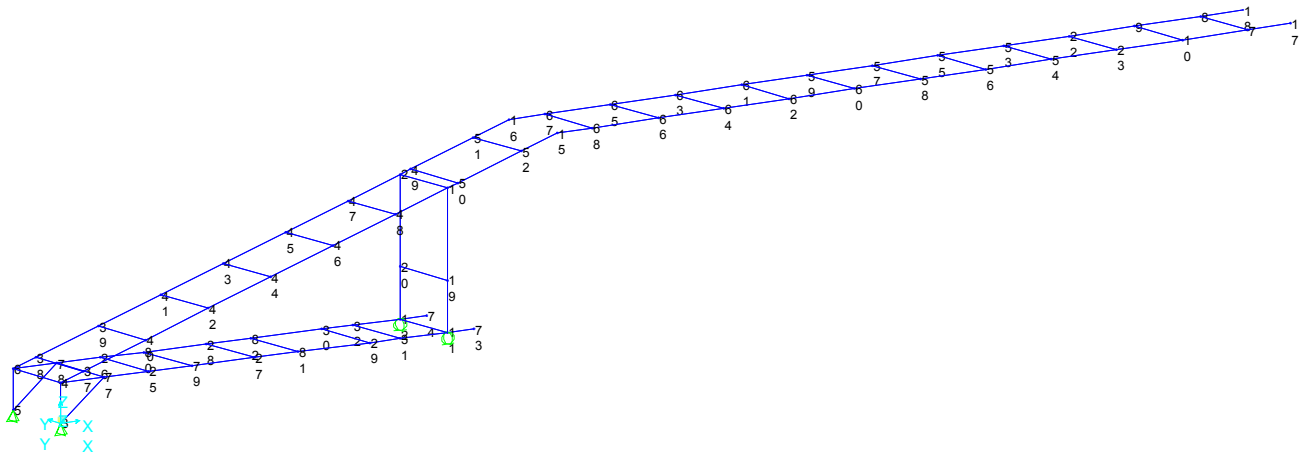
SAP2000 20.0.0

3-D View

Kgf, mm, C

Banda sacos posicion1.sdb

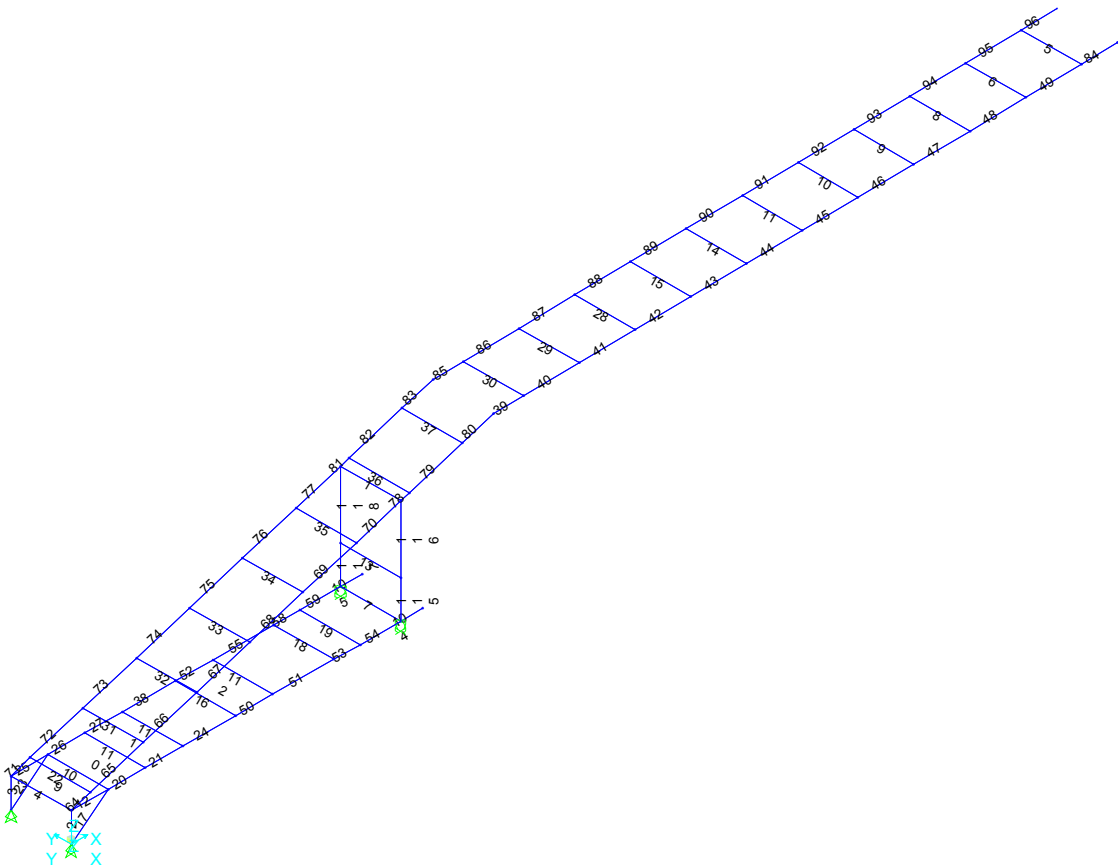
12/04/18



SAP2000 20.0.0

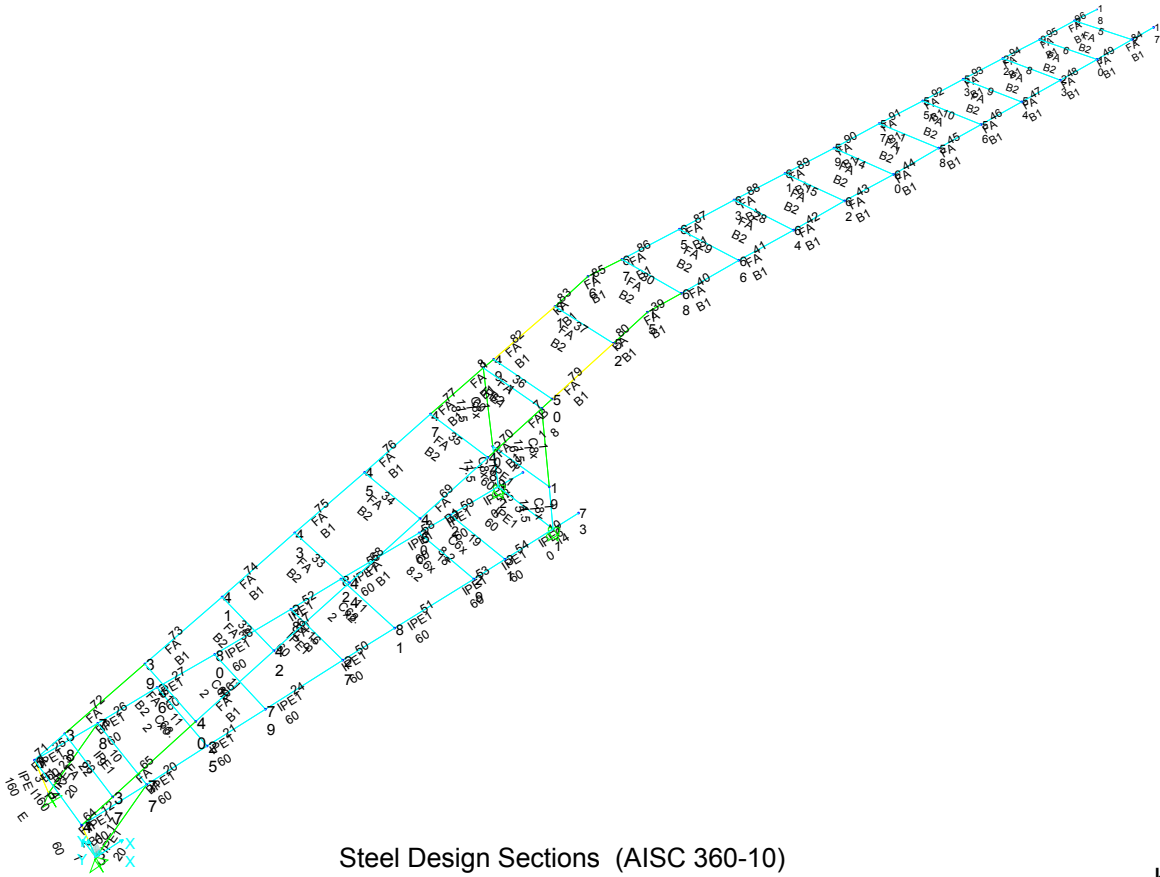
3-D View

Kgf, mm, C



Banda sacos posicion1.sdb

20/04/18



Steel Design Sections (AISC 360-10)

Kgf, mm, C

0,00

0,50

0,70

0,90

1,00

TABLE: Steel Design 1 - Summary Data - AISC 360-10

Frame	DesignSect	DesignType	Status	Ratio	RatioType	Combo	Location	ErrMsg	WarnMsg
Text	Text	Text	Text	Unitless	Text	Text	mm	Text	Text
1	IPE160	Beam	No Messages	0,098483	PMM	DSTL5	810	No Messages	No Messages
2	IPE160	Column	No Messages	0,742323	PMM	DSTL5	395	No Messages	No Messages
3	IPE160	Column	No Messages	0,731113	PMM	DSTL6	395	No Messages	No Messages
4	IPE160	Beam	No Messages	0,120829	PMM	DSTL6	810	No Messages	No Messages
5	FAB2	Beam	No Messages	0,038074	PMM	DSTL12	810	No Messages	No Messages
6	FAB2	Beam	No Messages	0,030572	PMM	DSTL12	810	No Messages	No Messages
7	IPE160	Beam	No Messages	0,045485	PMM	DSTL6	0	No Messages	No Messages
8	FAB2	Beam	No Messages	0,039728	PMM	DSTL12	810	No Messages	No Messages
9	FAB2	Beam	No Messages	0,050302	PMM	DSTL6	810	No Messages	No Messages
10	FAB2	Beam	No Messages	0,061569	PMM	DSTL6	810	No Messages	No Messages
11	FAB2	Beam	No Messages	0,072846	PMM	DSTL5	810	No Messages	No Messages
12	IPE160	Beam	No Messages	0,419718	PMM	DSTL5	0	No Messages	No Messages
13	IPE160	Beam	No Messages	0,013466	PMM	DSTL6	810	No Messages	No Messages
14	FAB2	Beam	No Messages	0,084139	PMM	DSTL5	810	No Messages	No Messages
15	FAB2	Beam	No Messages	0,095492	PMM	DSTL5	810	No Messages	No Messages
16	IPE160	Beam	No Messages	0,109	PMM	DSTL6	0	No Messages	No Messages
17	IPE120	Brace	No Messages	0,558275	PMM	DSTL6	637,2	No Messages	No Messages
18	C6x8.2	Beam	No Messages	0,162287	PMM	DSTL6	0	No Messages	No Messages
19	C6x8.2	Beam	No Messages	0,123684	PMM	DSTL6	810	No Messages	No Messages
20	IPE160	Beam	No Messages	0,386612	PMM	DSTL6	0	No Messages	No Messages
21	IPE160	Beam	No Messages	0,224436	PMM	DSTL6	0	No Messages	No Messages
22	FAB2	Beam	No Messages	0,200814	PMM	DSTL6	810	No Messages	No Messages
23	IPE120	Brace	No Messages	0,550616	PMM	DSTL5	637,2	No Messages	No Messages
24	IPE160	Beam	No Messages	0,234223	PMM	DSTL5	715	No Messages	No Messages
25	IPE160	Beam	No Messages	0,408692	PMM	DSTL6	0	No Messages	No Messages
26	IPE160	Beam	No Messages	0,368643	PMM	DSTL5	0	No Messages	No Messages
27	IPE160	Beam	No Messages	0,219671	PMM	DSTL5	0	No Messages	No Messages
28	FAB2	Beam	No Messages	0,107395	PMM	DSTL5	810	No Messages	No Messages
29	FAB2	Beam	No Messages	0,124972	PMM	DSTL5	810	No Messages	No Messages
30	FAB2	Beam	No Messages	0,216253	PMM	DSTL5	810	No Messages	No Messages
31	FAB2	Beam	No Messages	0,247729	PMM	DSTL5	0	No Messages	No Messages
32	FAB2	Beam	No Messages	0,237283	PMM	DSTL5	0	No Messages	No Messages
33	FAB2	Beam	No Messages	0,220913	PMM	DSTL5	0	No Messages	No Messages
34	FAB2	Beam	No Messages	0,203541	PMM	DSTL5	0	No Messages	No Messages
35	FAB2	Beam	No Messages	0,176334	PMM	DSTL5	0	No Messages	No Messages
36	FAB2	Beam	No Messages	0,147419	PMM	DSTL5	0	No Messages	No Messages
37	FAB2	Beam	No Messages	0,090245	PMM	DSTL5	0	No Messages	No Messages
38	IPE160	Beam	No Messages	0,208138	PMM	DSTL6	715	No Messages	No Messages
39	FAB1	Brace	No Messages	0,549994	PMM	DSTL12	409,38	No Messages	No Messages
40	FAB1	Brace	No Messages	0,456856	PMM	DSTL12	0	No Messages	No Messages
41	FAB1	Brace	No Messages	0,394422	PMM	DSTL12	0	No Messages	No Messages
42	FAB1	Brace	No Messages	0,330637	PMM	DSTL12	0	No Messages	No Messages
43	FAB1	Brace	No Messages	0,271263	PMM	DSTL12	0	No Messages	No Messages
44	FAB1	Brace	No Messages	0,216907	PMM	DSTL12	0	No Messages	No Messages
45	FAB1	Brace	No Messages	0,167711	PMM	DSTL12	0	No Messages	No Messages
46	FAB1	Brace	No Messages	0,123771	PMM	DSTL12	0	No Messages	No Messages
47	FAB1	Brace	No Messages	0,08521	PMM	DSTL12	0	No Messages	No Messages
48	FAB1	Brace	No Messages	0,052212	PMM	DSTL12	0	No Messages	No Messages
49	FAB1	Brace	No Messages	0,025293	PMM	DSTL12	0	No Messages	No Messages
50	IPE160	Beam	No Messages	0,21793	PMM	DSTL5	0	No Messages	No Messages
51	IPE160	Beam	No Messages	0,163361	PMM	DSTL5	0	No Messages	No Messages
52	IPE160	Beam	No Messages	0,192185	PMM	DSTL6	0	No Messages	No Messages

53	IPE160	Beam	No Messages	0,108986	PMM	DSTL5	347	No Messages	No Messages
54	IPE160	Beam	No Messages	0,198015	PMM	DSTL5	546	No Messages	No Messages
55	IPE160	Beam	No Messages	0,136258	PMM	DSTL6	0	No Messages	No Messages
58	IPE160	Beam	No Messages	0,098815	PMM	DSTL10	347	No Messages	No Messages
59	IPE160	Beam	No Messages	0,171116	PMM	DSTL10	546	No Messages	No Messages
64	FAB1	Brace	No Messages	0,506375	PMM	DSTL5	0	No Messages	No Messages
65	FAB1	Brace	No Messages	0,578913	PMM	DSTL5	0	No Messages	No Messages
66	FAB1	Brace	No Messages	0,425222	PMM	DSTL5	0	No Messages	No Messages
67	FAB1	Brace	No Messages	0,31601	PMM	DSTL6	0	No Messages	No Messages
68	FAB1	Brace	No Messages	0,329064	PMM	DSTL5	750	No Messages	No Messages
69	FAB1	Brace	No Messages	0,466414	PMM	DSTL5	750	No Messages	No Messages
70	FAB1	Brace	No Messages	0,581054	PMM	DSTL5	625,07	No Messages	No Messages
71	FAB1	Brace	No Messages	0,491883	PMM	DSTL6	0	No Messages	No Messages
72	FAB1	Brace	No Messages	0,566355	PMM	DSTL6	0	No Messages	No Messages
73	FAB1	Brace	No Messages	0,415984	PMM	DSTL6	0	No Messages	No Messages
74	FAB1	Brace	No Messages	0,321803	PMM	DSTL5	0	No Messages	No Messages
75	FAB1	Brace	No Messages	0,328637	PMM	DSTL6	750	No Messages	No Messages
76	FAB1	Brace	No Messages	0,462944	PMM	DSTL6	750	No Messages	No Messages
77	FAB1	Brace	No Messages	0,575635	PMM	DSTL6	625,07	No Messages	No Messages
78	FAB1	Brace	No Messages	0,691957	PMM	DSTL12	0	No Messages	No Messages
79	FAB1	Brace	No Messages	0,708964	PMM	DSTL5	0	No Messages	No Messages
80	FAB1	Brace	No Messages	0,520125	PMM	DSTL12	0	No Messages	No Messages
81	FAB1	Brace	No Messages	0,694573	PMM	DSTL12	0	No Messages	No Messages
82	FAB1	Brace	No Messages	0,709179	PMM	DSTL6	0	No Messages	No Messages
83	FAB1	Brace	No Messages	0,520085	PMM	DSTL12	0	No Messages	No Messages
84	FAB1	Brace	No Messages	0,007789	PMM	DSTL12	0	No Messages	No Messages
85	FAB1	Brace	No Messages	0,549974	PMM	DSTL12	409,38	No Messages	No Messages
86	FAB1	Brace	No Messages	0,456826	PMM	DSTL12	0	No Messages	No Messages
87	FAB1	Brace	No Messages	0,394395	PMM	DSTL12	0	No Messages	No Messages
88	FAB1	Brace	No Messages	0,330613	PMM	DSTL12	0	No Messages	No Messages
89	FAB1	Brace	No Messages	0,271243	PMM	DSTL12	0	No Messages	No Messages
90	FAB1	Brace	No Messages	0,216889	PMM	DSTL12	0	No Messages	No Messages
91	FAB1	Brace	No Messages	0,167696	PMM	DSTL12	0	No Messages	No Messages
92	FAB1	Brace	No Messages	0,12376	PMM	DSTL12	0	No Messages	No Messages
93	FAB1	Brace	No Messages	0,085202	PMM	DSTL12	0	No Messages	No Messages
94	FAB1	Brace	No Messages	0,052206	PMM	DSTL12	0	No Messages	No Messages
95	FAB1	Brace	No Messages	0,02529	PMM	DSTL12	0	No Messages	No Messages
96	FAB1	Brace	No Messages	0,007789	PMM	DSTL12	0	No Messages	No Messages
104	IPE160	Beam	No Messages	0,001026	PMM	DSTL5	0	No Messages	No Messages
105	IPE160	Beam	No Messages	0,001026	PMM	DSTL5	0	No Messages	No Messages
109	IPE160	Beam	No Messages	0,146871	PMM	DSTL5	0	No Messages	No Messages
110	C6x8.2	Beam	No Messages	0,200711	PMM	DSTL6	0	No Messages	No Messages
111	C6x8.2	Beam	No Messages	0,210449	PMM	DSTL6	810	No Messages	No Messages
112	C6x8.2	Beam	No Messages	0,186685	PMM	DSTL6	810	No Messages	No Messages
115	C8x11.5	Column	No Messages	0,307779	PMM	DSTL5	504,69	No Messages	No Messages
116	C8x11.5	Column	No Messages	0,555739	PMM	DSTL12	892,37	No Messages	No Messages
117	C8x11.5	Column	No Messages	0,292273	PMM	DSTL6	504,69	No Messages	No Messages
118	C8x11.5	Column	No Messages	0,569365	PMM	DSTL12	892,37	No Messages	No Messages

: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
Text	Text	Text	Kgf	Kgf	Kgf	Kgf-mm	Kgf-mm	Kgf-mm
3	B241	Combination	2,473E-10	-13,87	633,18	0	0	0
3	B242	Combination	3,689E-10	-14,83	315,38	0	0	0
3	B243	Combination	2,61E-10	-12,81	471,68	0	0	0
3	B243A	Combination	-71,35	-12,9	454,52	0	0	0
3	B243B	Combination	-4410,86	-303,9	-1494,31	0	0	0
3	B244A	Combination	-142,71	-13	437,36	0	0	0
3	B244B	Combination	-8821,72	-595	-3460,31	0	0	0
3	B245A	Combination	1668,08	59,83	1156,16	0	0	0
3	B245A	Combination	-1668,08	-85,44	-212,79	0	0	0
3	B245B	Combination	5041,96	228,95	2706,78	0	0	0
3	B245B	Combination	-5041,96	-254,56	-1763,41	0	0	0
3	B246A	Combination	-128,44	-9,09	376,16	0	0	0
3	B246B	Combination	-7939,55	-532,89	-3131,74	0	0	0
3	B247A	Combination	1668,08	63,72	1091,52	0	0	0
3	B247A	Combination	-1668,08	-81,54	-277,43	0	0	0
3	B247B	Combination	5041,96	232,84	2642,14	0	0	0
3	B247B	Combination	-5041,96	-250,66	-1828,05	0	0	0
3	DL	Combination	1,767E-10	-9,9	452,27	0	0	0
3	DL+LL	Combination	2,747E-10	-11,74	310,18	0	0	0
3	LL	Combination	9,804E-11	-1,84	-142,09	0	0	0
5	B241	Combination	5,3E-10	13,87	329,38	0	0	0
5	B242	Combination	5,918E-10	14,83	54,98	0	0	0
5	B243	Combination	4,973E-10	12,81	211,28	0	0	0
5	B243A	Combination	-71,35	12,9	194,12	0	0	0
5	B243B	Combination	4410,86	-278,29	2177,28	0	0	0
5	B244A	Combination	-142,71	13	176,96	0	0	0
5	B244B	Combination	8821,72	-569,39	4143,27	0	0	0
5	B245A	Combination	1668,08	85,44	895,75	0	0	0
5	B245A	Combination	-1668,08	-59,83	-473,19	0	0	0
5	B245B	Combination	5041,96	254,56	2446,37	0	0	0
5	B245B	Combination	-5041,96	-228,95	-2023,81	0	0	0
5	B246A	Combination	-128,44	9,09	180,86	0	0	0
5	B246B	Combination	7939,55	-515,06	3750,54	0	0	0
5	B247A	Combination	1668,08	81,54	896,22	0	0	0
5	B247A	Combination	-1668,08	-63,72	-472,73	0	0	0
5	B247B	Combination	5041,96	250,66	2446,84	0	0	0
5	B247B	Combination	-5041,96	-232,84	-2023,35	0	0	0
5	DL	Combination	3,786E-10	9,9	235,27	0	0	0
5	DL+LL	Combination	4,645E-10	11,74	93,18	0	0	0
5	LL	Combination	8,595E-11	1,84	-142,09	0	0	0
11	B241	Combination	0	0	2468,77	0	0	0
11	B242	Combination	0	0	2742,04	0	0	0
11	B243	Combination	0	0	2311,7	0	0	0
11	B243A	Combination	0	0	2328,86	0	0	0

11	B243B	Combination	0	0	3121,36	0	0	0
11	B244A	Combination	0	0	2346,02	0	0	0
11	B244B	Combination	0	0	3931,03	0	0	0
11	B245A	Combination	0	0	2755,1	0	0	0
11	B245A	Combination	0	0	1868,29	0	0	0
11	B245B	Combination	0	0	3509,65	0	0	0
11	B245B	Combination	0	0	1113,74	0	0	0
11	B246A	Combination	0	0	1617,95	0	0	0
11	B246B	Combination	0	0	3044,46	0	0	0
11	B247A	Combination	0	0	2030,47	0	0	0
11	B247A	Combination	0	0	1143,66	0	0	0
11	B247B	Combination	0	0	2785,02	0	0	0
11	B247B	Combination	0	0	389,11	0	0	0
11	DL	Combination	0	0	1763,4	0	0	0
11	DL+LL	Combination	0	0	2154,63	0	0	0
11	LL	Combination	0	0	391,22	0	0	0
12	B241	Combination	0	0	2303,57	0	0	0
12	B242	Combination	0	0	2600,44	0	0	0
12	B243	Combination	0	0	2170,1	0	0	0
12	B243A	Combination	0	0	2187,26	0	0	0
12	B243B	Combination	0	0	1360,43	0	0	0
12	B244A	Combination	0	0	2204,42	0	0	0
12	B244B	Combination	0	0	550,76	0	0	0
12	B245A	Combination	0	0	2613,5	0	0	0
12	B245A	Combination	0	0	1726,69	0	0	0
12	B245B	Combination	0	0	3368,05	0	0	0
12	B245B	Combination	0	0	972,14	0	0	0
12	B246A	Combination	0	0	1511,75	0	0	0
12	B246B	Combination	0	0	23,46	0	0	0
12	B247A	Combination	0	0	1924,27	0	0	0
12	B247A	Combination	0	0	1037,46	0	0	0
12	B247B	Combination	0	0	2678,82	0	0	0
12	B247B	Combination	0	0	282,91	0	0	0
12	DL	Combination	0	0	1645,41	0	0	0
12	DL+LL	Combination	0	0	2036,63	0	0	0
12	LL	Combination	0	0	391,22	0	0	0