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V 520 – Výměna vedení

Statické výpočty stožárů

p. b. č. 153, typ U11+9

p. b. č. 152, typ V30+0



02.2018

ED 18-8-1688

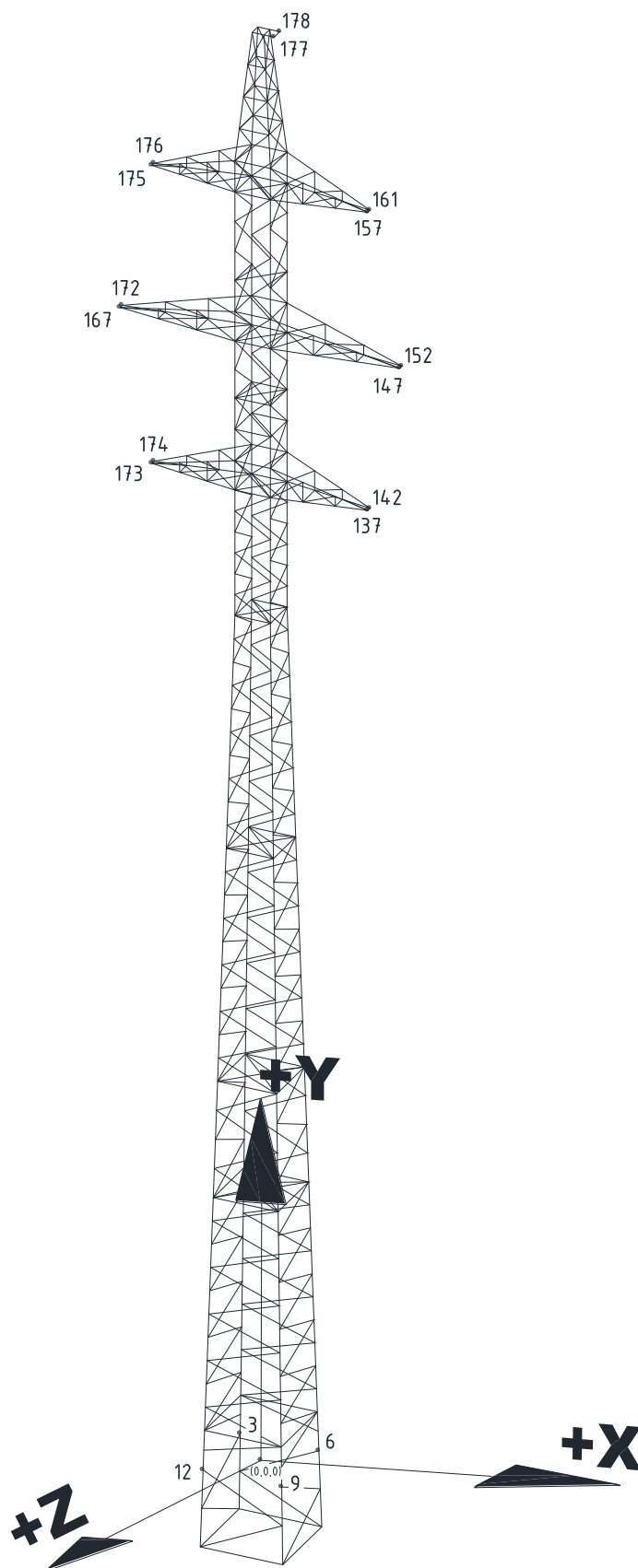
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1. Souřadnicový systém a působíště sil U11+9



2. Základní statické parametry pro výpočet U11+9

UDAJE, TYKAJUČE SA PODPERNEHO BODU

Identifikačný text :typ_U11+9
Funkcia stožiara :N
Uroveň spoľahlivosti :1
Klasifikácia terenu :II - nízka vegetácia, domy, vzd. aspoň 20x výška, z0= 0.05
Základná rýchlosť vetra:25.0 m/s
Počet pôsobísk ZL :0
Počet pôsobísk KZL :2
Počet pôsobísk FAZ :12
Počet pôsobísk SOK :0
Počet pôsobísk LANO :0
Celkový počet pôsobísk :14

Parciálne faktory : Extremný vietor = 1.00
Extremná namraza = 1.00
Montážne stavy = 1.50
Súč. kombinácie tlak vetra na stožiar ZS 3a = 0.50
Redukčný súč. tlak vetra na izolátor ZS 3a = 0.50
Redukčný súčiniteľ namrazy pre ZS 2b :alfa = 0.50
ZS 2c :alfa1 = 0.30
alfa2 = 0.70
ZS 2d :alfa3 = 0.30
alfa4 = 0.70
ZS 5a :alfa_SL = 0.40
ZS 5c :alfa_SL = 0.00
Uvažovať ZS 2b ... priečny ohyb :nie
Uvažovať ZS 2d ... krútenie ohyb :nie
Uvažovať ZS 3ab... vietor a namraza :ano
Uvažovať ZS 5a ... pretrhnutie lana :ano

Zatažovací stav 5a - pretrhnutie - uvažovať v pôsobiskách (uzloch):
178, 177, 176, 161, 172, 152, 174, 142, 175, 157, 167, 147, 173, 137,
Uvažovať montážne stavy :ano
Počet montážnych ZS: 1
Postupnosť montáže pôsobísk:
175,
Uhol kotvy = 30.0, uhol navijáka = 30.0
Hmotnosť kladka + monter = 150.0 daN
Použiť pretázenie pri odvesovaní : ano
Koeficient pretázenia = 1.1

UDAJE, TYKAJUČE SA POSOBISK

Posobisko c.1 - uzel 178 - typ : kzl, poloha : zadne

Názov lana :AL4/A20SA_74/42-10.5
Prierez lana :115.90 mm²
Priemer lana : 14.90 mm
Hmotnosť lana :0.54300 kg/m
Špecifická hmotnosť : 0.04594 N/m.mm²
Modul pružnosti : 95300.0 MPa
Koef. tepelnej rozťažnosti :0.000016800 1/st.C
Patri do zväzku :null
Efektívny počet lan : 1.00
Uhol lana od osi X : -90.00

Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 62.00 MPa
Namrazova oblast	: "I3"
Dlžka retazca	: 0.00 m
Ekviv.hmotnosti retazca	: 0.00 daN
Ekviv.plocha retazca	: 0.00 m ²
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 100.00
	ZS 2d : 100.00
	ZS 5a : 100.00
	ZS 5bc: 100.00
Navrhova vyska lana H	: 36.450 m
Stredna rychl. vetra v H	: 31.146 m/s
Stredny tlak vetra	: 606.283 N/m ²
Intenzita turbulencie	: 0.152 N/m ²
Spickovy tlak vetra	:1250.122 N/m ²
Extrémna námraza, priemer lana:	22.167 N/m 0.077318 m
Menovitá námraza, priemer lana:	7.758 N/m 0.047293 m
Stredná dĺžka sused.rozpätí	:298.00 m
Merná dĺžka turbulencie	:123.74 m
Súčiniteľ pôvodu odozvy	: 0.217
Súčiniteľ konštr.lana Gc	: 0.691
ZS 1 :pretazenie =	2.614, namahanie = 135.536 MPa
	plny tah = 1570.858 daN
ZS 4 :pretazenie =	1.200, namahanie = 79.773 MPa
	plny tah = 924.567 daN
ZS 2a :pretazenie =	5.163, namahanie = 227.999 MPa
	plny tah = 2642.510 daN
ZS 2c :pretazenie =	2.249, namahanie = 120.380 MPa
	plny tah = 1395.209 daN
ZS 2c :pretazenie =	3.914, namahanie = 185.045 MPa
	plny tah = 2144.666 daN
ZS 3a :pretazenie =	6.208, namahanie = 261.466 MPa
	plny tah = 3030.396 daN
ZS 3b :pretazenie =	4.380, namahanie = 201.523 MPa
	plny tah = 2335.651 daN
ZS 5a :pretazenie =	2.665, namahanie = 137.594 MPa
	plny tah = 1594.710 daN
ZS 5b :pretazenie =	2.000, namahanie = 109.655 MPa
	plny tah = 1270.901 daN

Posobisko c.2 - uzol 177 - typ : kzl, poloha : predne

Nazov lana	:AL4/A20SA_74/42-10.5
Prierez lana	:115.90 mm ²
Priemer lana	: 14.90 mm
Hmotnost lana	:0.54300 kg/m
Specificka hmotnost	: 0.04594 N/m.mm ²
Modul pružnosti	: 95300.0 MPa
Koef.tepelnej roztaznosti	:0.000016800 1/st.C
Patri do zväzku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	: 90.00
Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:340.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 62.00 MPa

Namrazova oblast	:	"I3"
Dlžka retazca	:	0.00 m
Ekviv.hmotnosti retazca	:	0.00 daN
Ekviv.plocha retazca	:	0.00 m2
Ine zvisle zatazenie	:	49.03 daN
Percento zostatkoveho tahu	:	ZS 2c : 100.00
		ZS 2d : 100.00
		ZS 5a : 100.00
		ZS 5bc: 100.00
Navrhova vyska lana H	:	36.450 m
Stredna rychl. vetra v H	:	31.146 m/s
Stredny tlak vetra	:	606.283 N/m2
Intenzita turbulencie	:	0.152 N/m2
Spickovy tlak vetra	:	1250.122 N/m2
Extrémna námraza, priemer lana:	:	22.167 N/m 0.077318 m
Menovitá námraza, priemer lana:	:	7.758 N/m 0.047293 m
Stredná dĺžka sused.rozpätí	:	298.00 m
Merná dĺžka turbulencie	:	123.74 m
Súčiniteľ pôvodu odozvy	:	0.217
Súčiniteľ konštr.lana Gc	:	0.691
ZS 1 :pretazenie =	:	2.614, namahanie = 135.536 MPa
		plny tah = 1570.858 daN
ZS 4 :pretazenie =	:	1.200, namahanie = 79.773 MPa
		plny tah = 924.567 daN
ZS 2a :pretazenie =	:	5.163, namahanie = 227.999 MPa
		plny tah = 2642.510 daN
ZS 2c :pretazenie =	:	2.249, namahanie = 120.380 MPa
		plny tah = 1395.209 daN
ZS 2c :pretazenie =	:	3.914, namahanie = 185.045 MPa
		plny tah = 2144.666 daN
ZS 3a :pretazenie =	:	6.208, namahanie = 261.466 MPa
		plny tah = 3030.396 daN
ZS 3b :pretazenie =	:	4.380, namahanie = 201.523 MPa
		plny tah = 2335.651 daN
ZS 5a :pretazenie =	:	2.665, namahanie = 137.594 MPa
		plny tah = 1594.710 daN
ZS 5b :pretazenie =	:	2.000, namahanie = 109.655 MPa
		plny tah = 1270.901 daN

Posobisko c.3 - uzol 176 - typ : faza, poloha : zadne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pružnosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	: -90.00
Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblast	: "I3"
Dlžka retazca	: 1.73 m
Ekviv.hmotnosti retazca	: 73.55 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN

Percento zostatkoveho tahu	:	ZS 2c :	71.53	
		ZS 2d :	100.00	
		ZS 5a :	68.40	
		ZS 5bc:	54.97	
Navrhova vyska lana H	:	30.723 m		
Stredna rychl. vetra v H	:	30.338 m/s		
Stredny tlak vetra	:	575.247 N/m2		
Intenzita turbulencie	:	0.156 N/m2		
Spickovy tlak vetra	:	1202.391 N/m2		
Extrémna námraza, priemer lana:	25.505 N/m	0.084261 m		
Menovitá námraza, priemer lana:	8.927 N/m	0.052868 m		
Stredná dĺžka sused.rozpätí	:	298.00 m		
Merná dĺžka turbulencie	:	113.21 m		
Súčiniteľ pôvodu odozvy	:	0.202		
Súčiniteľ konštr.lana Gc	:	0.679		
ZS 1 :pretazenie =	2.108,	namahanie =	83.818 MPa	
		plny tah =	2368.195 daN	
ZS 4 :pretazenie =	1.200,	namahanie =	58.702 MPa	
		plny tah =	1658.567 daN	
ZS 2a :pretazenie =	3.654,	namahanie =	129.480 MPa	
		plny tah =	3658.324 daN	
ZS 2c :pretazenie =	1.796,	namahanie =	73.565 MPa	
		plny tah =	2078.517 daN	
ZS 2c :pretazenie =	2.858,	namahanie =	106.849 MPa	
		plny tah =	3018.906 daN	
ZS 3a :pretazenie =	4.151,	namahanie =	142.859 MPa	
		plny tah =	4036.335 daN	
ZS 3b :pretazenie =	2.870,	namahanie =	107.218 MPa	
		plny tah =	3029.345 daN	
ZS 5a :pretazenie =	2.061,	namahanie =	82.303 MPa	
		plny tah =	2325.380 daN	
ZS 5b :pretazenie =	2.000,	namahanie =	80.308 MPa	
		plny tah =	2269.024 daN	

Posobisko c.4 - uzol 161 - typ : faza, poloha : zadne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny počet lan	: 1.00
Uhol lana od osi X	:-90.00
Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblasť	: "I3"
Dĺžka retazca	: 1.73 m
Ekviv.hmotnosti retazca	: 73.55 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 71.53
	ZS 2d : 100.00
	ZS 5a : 68.40
	ZS 5bc: 54.97

Navrhova vyska lana H	:	30.723 m	
Stredna rychl. vetra v H	:	30.338 m/s	
Stredny tlak vetra	:	575.247 N/m2	
Intenzita turbulencie	:	0.156 N/m2	
Spickovy tlak vetra	:	1202.391 N/m2	
Extrémna námraza, priemer lana:	25.505 N/m	0.084261 m	
Menovitá námraza, priemer lana:	8.927 N/m	0.052868 m	
Stredná dĺžka sused.rozpätí	:	298.00 m	
Merná dĺžka turbulencie	:	113.21 m	
Súčiniteľ pôvodu odozvy	:	0.202	
Súčiniteľ konštr.lana Gc	:	0.679	
ZS 1 :pretazenie =	2.108,	namahanie =	83.818 MPa
		plny tah =	2368.195 daN
ZS 4 :pretazenie =	1.200,	namahanie =	58.702 MPa
		plny tah =	1658.567 daN
ZS 2a :pretazenie =	3.654,	namahanie =	129.480 MPa
		plny tah =	3658.324 daN
ZS 2c :pretazenie =	1.796,	namahanie =	73.565 MPa
		plny tah =	2078.517 daN
ZS 2c :pretazenie =	2.858,	namahanie =	106.849 MPa
		plny tah =	3018.906 daN
ZS 3a :pretazenie =	4.151,	namahanie =	142.859 MPa
		plny tah =	4036.335 daN
ZS 3b :pretazenie =	2.870,	namahanie =	107.218 MPa
		plny tah =	3029.345 daN
ZS 5a :pretazenie =	2.061,	namahanie =	82.303 MPa
		plny tah =	2325.380 daN
ZS 5b :pretazenie =	2.000,	namahanie =	80.308 MPa
		plny tah =	2269.024 daN

Posobisko c.5 - uzol 172 - typ : faza, poloha : zadne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	:-90.00
Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblasť	: "I3"
Dlžka retazca	: 1.73 m
Ekviv.hmotnosti retazca	: 73.55 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 71.53
	ZS 2d : 100.00
	ZS 5a : 68.40
	ZS 5bc: 54.97

Navrhova vyska lana H	: 26.923 m
Stredna rychl. vetra v H	: 29.714 m/s
Stredny tlak vetra	: 551.832 N/m ²
Intenzita turbulencie	: 0.159 N/m ²
Spickovy tlak vetra	: 1166.080 N/m ²

Extrémna námraza, priemer lana:	25.505	N/m	0.084261	m
Menovitá námraza, priemer lana:	8.927	N/m	0.052868	m
Stredná dĺžka sused.rozpätí	:298.00	m		
Merná dĺžka turbulencie	:105.70	m		
Súčiniteľ pôvodu odozvy	: 0.191			
Súčiniteľ konštr.lana Gc	: 0.671			
ZS 1 :pretazenie =	2.039,	namahanie =	81.580	MPa
		plny tah =	2304.971	daN
ZS 4 :pretazenie =	1.200,	namahanie =	58.702	MPa
		plny tah =	1658.567	daN
ZS 2a :pretazenie =	3.654,	namahanie =	129.480	MPa
		plny tah =	3658.324	daN
ZS 2c :pretazenie =	1.796,	namahanie =	73.565	MPa
		plny tah =	2078.517	daN
ZS 2c :pretazenie =	2.858,	namahanie =	106.849	MPa
		plny tah =	3018.906	daN
ZS 3a :pretazenie =	4.111,	namahanie =	141.823	MPa
		plny tah =	4007.055	daN
ZS 3b :pretazenie =	2.804,	namahanie =	105.254	MPa
		plny tah =	2973.851	daN
ZS 5a :pretazenie =	2.061,	namahanie =	82.303	MPa
		plny tah =	2325.380	daN
ZS 5b :pretazenie =	2.000,	namahanie =	80.308	MPa
		plny tah =	2269.024	daN

Posobisko c.6 - uzol 152 - typ : faza, poloha : zadne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	:-90.00
Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblasť	: "I3"
Dĺžka retazca	: 1.73 m
Ekviv.hmotnosti retazca	: 73.55 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 71.53
	ZS 2d : 100.00
	ZS 5a : 68.40
	ZS 5bc: 54.97

Navrhova vyska lana H	:	26.923 m	
Stredna rychl. vetra v H	:	29.714 m/s	
Stredny tlak vetra	:	551.832 N/m2	
Intenzita turbulencie	:	0.159 N/m2	
Spickovy tlak vetra	:	1166.080 N/m2	
Extrémna námraza, priemer lana:	25.505 N/m	0.084261 m	
Menovitá námraza, priemer lana:	8.927 N/m	0.052868 m	
Stredná dĺžka sused.rozpätí	:	298.00 m	
Merná dĺžka turbulencie	:	105.70 m	
Súčiniteľ pôvodu odozvy	:	0.191	

Súčiniteľ konst.r.lana Gc	:	0.671	
ZS 1 :pretazenie =	2.039,	namahanie =	81.580 MPa
		plny tah =	2304.971 daN
ZS 4 :pretazenie =	1.200,	namahanie =	58.702 MPa
		plny tah =	1658.567 daN
ZS 2a :pretazenie =	3.654,	namahanie =	129.480 MPa
		plny tah =	3658.324 daN
ZS 2c :pretazenie =	1.796,	namahanie =	73.565 MPa
		plny tah =	2078.517 daN
ZS 2c :pretazenie =	2.858,	namahanie =	106.849 MPa
		plny tah =	3018.906 daN
ZS 3a :pretazenie =	4.111,	namahanie =	141.823 MPa
		plny tah =	4007.055 daN
ZS 3b :pretazenie =	2.804,	namahanie =	105.254 MPa
		plny tah =	2973.851 daN
ZS 5a :pretazenie =	2.061,	namahanie =	82.303 MPa
		plny tah =	2325.380 daN
ZS 5b :pretazenie =	2.000,	namahanie =	80.308 MPa
		plny tah =	2269.024 daN

Posobisko c.7 - uzol 174 - typ : faza, poloha : zadne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny počet lan	: 1.00
Uhol lana od osi X	:-90.00
Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblasť	: "I3"
Dĺžka retazca	: 1.73 m
Ekviv.hmotnosti retazca	: 73.55 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 71.53
	ZS 2d : 100.00
	ZS 5a : 68.40
	ZS 5bc: 54.97

Navrhova vyska lana H	:	23.123 m	
Stredna rychl. vetra v H	:	28.995 m/s	
Stredny tlak vetra	:	525.453 N/m2	
Intenzita turbulencie	:	0.163 N/m2	
Spickovy tlak vetra	:	1124.839 N/m2	
Extrémna námraza, priemer lana:	25.505 N/m	0.084261 m	
Menovitá námraza, priemer lana:	8.927 N/m	0.052868 m	
Stredná dĺžka sused. rozpätí	:	298.00 m	
Merná dĺžka turbulencie	:	97.65 m	
Súčiniteľ pôvodu odozvy	:	0.179	
Súčiniteľ konštr. lana Gc	:	0.661	
ZS 1 :pretazenie =	1.962,	namahanie =	79.073 MPa
		plny tah =	2234.142 daN
ZS 4 :pretazenie =	1.200,	namahanie =	58.702 MPa
		plny tah =	1658.567 daN

ZS 2a :pretazenie =	3.654,	namahanie =	129.480 MPa
		plny tah =	3658.324 daN
ZS 2c :pretazenie =	1.796,	namahanie =	73.565 MPa
		plny tah =	2078.517 daN
ZS 2c :pretazenie =	2.858,	namahanie =	106.849 MPa
		plny tah =	3018.906 daN
ZS 3a :pretazenie =	4.069,	namahanie =	140.699 MPa
		plny tah =	3975.310 daN
ZS 3b :pretazenie =	2.731,	namahanie =	103.084 MPa
		plny tah =	2912.522 daN
ZS 5a :pretazenie =	2.061,	namahanie =	82.303 MPa
		plny tah =	2325.380 daN
ZS 5b :pretazenie =	2.000,	namahanie =	80.308 MPa
		plny tah =	2269.024 daN

Posobisko c.8 - uzol 142 - typ : faza, poloha : zadne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny počet lan	: 1.00
Uhol lana od osi X	:-90.00
Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblasť	: "I3"
Dĺžka retazca	: 1.73 m
Ekviv.hmotnosti retazca	: 73.55 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 71.53
	ZS 2d : 100.00
	ZS 5a : 68.40
	ZS 5bc: 54.97

Navrhova vyska lana H	:	23.123 m	
Stredna rychl. vetra v H	:	28.995 m/s	
Stredny tlak vetra	:	525.453 N/m2	
Intenzita turbulencie	:	0.163 N/m2	
Spickovy tlak vetra	:	1124.839 N/m2	
Extrémna námraza, priemer lana:	25.505 N/m	0.084261 m	
Menovitá námraza, priemer lana:	8.927 N/m	0.052868 m	
Stredná dĺžka sused.rozpätí	:	298.00 m	
Merná dĺžka turbulencie	:	97.65 m	
Súčiniteľ pôvodu odozvy	:	0.179	
Súčiniteľ konštr.lana Gc	:	0.661	
ZS 1 :pretazenie =	1.962,	namahanie =	79.073 MPa
		plny tah =	2234.142 daN
ZS 4 :pretazenie =	1.200,	namahanie =	58.702 MPa
		plny tah =	1658.567 daN
ZS 2a :pretazenie =	3.654,	namahanie =	129.480 MPa
		plny tah =	3658.324 daN
ZS 2c :pretazenie =	1.796,	namahanie =	73.565 MPa
		plny tah =	2078.517 daN
ZS 2c :pretazenie =	2.858,	namahanie =	106.849 MPa

ZS 3a :pretazenie =	4.069,	plny tah = 3018.906 daN
		namahanie = 140.699 MPa
ZS 3b :pretazenie =	2.731,	plny tah = 3975.310 daN
		namahanie = 103.084 MPa
ZS 5a :pretazenie =	2.061,	plny tah = 2912.522 daN
		namahanie = 82.303 MPa
ZS 5b :pretazenie =	2.000,	plny tah = 2325.380 daN
		namahanie = 80.308 MPa
		plny tah = 2269.024 daN

Posobisko c.9 - uzol 175 - typ : faza, poloha : predne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm ²
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm ²
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	: 90.00
Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:340.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblast	: "I3"
Dlžka retazca	: 1.73 m
Ekviv.hmotnosti retazca	: 73.55 daN
Ekviv.plocha retazca	: 0.47 m ²
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 67.16
	: ZS 2d : 100.00
	: ZS 5a : 68.40
	: ZS 5bc: 62.91
Navrhova vyska lana H	: 30.723 m
Stredna rychl. vetra v H	: 30.338 m/s
Stredny tlak vetra	: 575.247 N/m ²
Intenzita turbulencie	: 0.156 N/m ²
Spickovy tlak vetra	:1202.391 N/m ²
Extrémna námraza, priemer lana:	25.505 N/m 0.084261 m
Menovitá námraza,priemer lana:	8.927 N/m 0.052868 m
Stredná dĺžka sused.rozpätí	:298.00 m
Merná dĺžka turbulencie	:113.21 m
Súčiniteľ pôvodu odozvy	: 0.202
Súčiniteľ konštr.lana Gc	: 0.679
ZS 1 :pretazenie =	2.108, namahanie = 83.818 MPa
	plny tah = 2368.195 daN
ZS 4 :pretazenie =	1.200, namahanie = 58.702 MPa
	plny tah = 1658.567 daN
ZS 2a :pretazenie =	3.654, namahanie = 129.480 MPa
	plny tah = 3658.324 daN
ZS 2c :pretazenie =	1.796, namahanie = 73.565 MPa
	plny tah = 2078.517 daN
ZS 2c :pretazenie =	2.858, namahanie = 106.849 MPa
	plny tah = 3018.906 daN
ZS 3a :pretazenie =	4.151, namahanie = 142.859 MPa
	plny tah = 4036.335 daN
ZS 3b :pretazenie =	2.870, namahanie = 107.218 MPa
	plny tah = 3029.345 daN

ZS 5a :pretazenie =	2.061,	namahanie =	82.303 MPa
		plny tah =	2325.380 daN
ZS 5b :pretazenie =	2.000,	namahanie =	80.308 MPa
		plny tah =	2269.024 daN

Posobisko c.10 - uzol 157 - typ : faza, poloha : predne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny počet lan	: 1.00
Uhol lana od osi X	: 90.00
Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:340.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblasť	: "I3"
Dĺžka retazca	: 1.73 m
Ekviv.hmotnosti retazca	: 73.55 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 67.16
	ZS 2d : 100.00
	ZS 5a : 68.40
	ZS 5bc: 62.91

Navrhovaya vyska lana H	:	30.723 m	
Stredna rychl. vetra v H	:	30.338 m/s	
Stredny tlak vetra	:	575.247 N/m2	
Intenzita turbulencie	:	0.156 N/m2	
Spickovy tlak vetra	:	1202.391 N/m2	
Extrémna námraza, priemer lana:	25.505 N/m	0.084261 m	
Menovitá námraza, priemer lana:	8.927 N/m	0.052868 m	
Stredná dĺžka sused.rozpätí	:	298.00 m	
Merná dĺžka turbulencie	:	113.21 m	
Súčiniteľ pôvodu odozvy	:	0.202	
Súčiniteľ konštr.lana Gc	:	0.679	
ZS 1 :pretazenie =	2.108,	namahanie =	83.818 MPa
		plny tah =	2368.195 daN
ZS 4 :pretazenie =	1.200,	namahanie =	58.702 MPa
		plny tah =	1658.567 daN
ZS 2a :pretazenie =	3.654,	namahanie =	129.480 MPa
		plny tah =	3658.324 daN
ZS 2c :pretazenie =	1.796,	namahanie =	73.565 MPa
		plny tah =	2078.517 daN
ZS 2c :pretazenie =	2.858,	namahanie =	106.849 MPa
		plny tah =	3018.906 daN
ZS 3a :pretazenie =	4.151,	namahanie =	142.859 MPa
		plny tah =	4036.335 daN
ZS 3b :pretazenie =	2.870,	namahanie =	107.218 MPa
		plny tah =	3029.345 daN
ZS 5a :pretazenie =	2.061,	namahanie =	82.303 MPa
		plny tah =	2325.380 daN
ZS 5b :pretazenie =	2.000,	namahanie =	80.308 MPa
		plny tah =	2269.024 daN

Posobisko c.11 - uzol 167 - typ : faza, poloha : predne

```

-----
Nazov lana                :243-AL1/39-ST1A
Prierez lana              :282.54 mm2
Priemer lana              : 21.84 mm
Hmotnost lana             :0.98010 kg/m
Specificka hmotnost      : 0.03402 N/m.mm2
Modul pruznosti           : 73900.0 MPa
Koef.tepelnej roztaznosti :0.000018900 1/st.C
Patri do zväzku           :null
Efektivny pocet lan       : 1.00
Uhol lana od osi X        : 90.00
Vetrove rozpatie          :149.00 m
Tiazove rozpatie          :121.00 m
Skutocne rozpatie         :340.00 m
Stredne rozpatie          :280.00 m
Zakladne namahanie        : 45.00 MPa
Namrazova oblast          : "I3"
Dlžka retazca             : 1.73 m
Ekviv.hmotnosti retazca   : 73.55 daN
Ekviv.plocha retazca      : 0.47 m2
Ine zvisle zatazenie      : 49.03 daN
Percento zostatkoveho tahu : ZS 2c : 67.16
                           : ZS 2d : 100.00
                           : ZS 5a : 68.40
                           : ZS 5bc: 62.91
  
```

```

Navrhova vyska lana H      : 26.923 m
Stredna rychl. vetra v H   : 29.714 m/s
Stredny tlak vetra         : 551.832 N/m2
Intenzita turbulencie      : 0.159 N/m2
Spickovy tlak vetra        :1166.080 N/m2
Extrémna námraza, priemer lana: 25.505 N/m 0.084261 m
Menovitá námraza, priemer lana: 8.927 N/m 0.052868 m
Stredná dĺžka sused.rozpätí :298.00 m
Merná dĺžka turbulencie    :105.70 m
Súčiniteľ pôvodu odozvy    : 0.191
Súčiniteľ konštr.lana Gc   : 0.671
ZS 1 :pretazenie = 2.039, namahanie = 81.580 MPa
                           plny tah = 2304.971 daN
ZS 4 :pretazenie = 1.200, namahanie = 58.702 MPa
                           plny tah = 1658.567 daN
ZS 2a :pretazenie = 3.654, namahanie = 129.480 MPa
                           plny tah = 3658.324 daN
ZS 2c :pretazenie = 1.796, namahanie = 73.565 MPa
                           plny tah = 2078.517 daN
ZS 2c :pretazenie = 2.858, namahanie = 106.849 MPa
                           plny tah = 3018.906 daN
ZS 3a :pretazenie = 4.111, namahanie = 141.823 MPa
                           plny tah = 4007.055 daN
ZS 3b :pretazenie = 2.804, namahanie = 105.254 MPa
                           plny tah = 2973.851 daN
ZS 5a :pretazenie = 2.061, namahanie = 82.303 MPa
                           plny tah = 2325.380 daN
ZS 5b :pretazenie = 2.000, namahanie = 80.308 MPa
                           plny tah = 2269.024 daN
  
```

Posobisko c.12 - uzol 147 - typ : faza, poloha : predne

```

-----
Nazov lana                :243-AL1/39-ST1A
Prierez lana              :282.54 mm2
Priemer lana              : 21.84 mm
  
```

Hmotnost lana	:0.98010 kg/m
Specifická hmotnost	: 0.03402 N/m.mm2
Modul pružnosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektívny počet lan	: 1.00
Uhol lana od osi X	: 90.00
Vetrove rozpatie	:149.00 m
Tiazove rozpatie	:121.00 m
Skutocne rozpatie	:340.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblast	: "I3"
Dlžka retazca	: 1.73 m
Ekviv.hmotnosti retazca	: 73.55 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 67.16
	: ZS 2d : 100.00
	: ZS 5a : 68.40
	: ZS 5bc: 62.91
Navrhova vyska lana H	: 26.923 m
Stredna rychl. vetra v H	: 29.714 m/s
Stredny tlak vetra	: 551.832 N/m2
Intenzita turbulencie	: 0.159 N/m2
Spickovy tlak vetra	:1166.080 N/m2
Extrémna námraza, priemer lana:	25.505 N/m 0.084261 m
Menovitá námraza,priemer lana:	8.927 N/m 0.052868 m
Stredná dĺžka sused.rozpätí	:298.00 m
Merná dĺžka turbulencie	:105.70 m
Súčiniteľ pôvodu odozvy	: 0.191
Súčiniteľ konštr.lana Gc	: 0.671
ZS 1 :pretazenie =	2.039, namahanie = 81.580 MPa
	plny tah = 2304.971 daN
ZS 4 :pretazenie =	1.200, namahanie = 58.702 MPa
	plny tah = 1658.567 daN
ZS 2a :pretazenie =	3.654, namahanie = 129.480 MPa
	plny tah = 3658.324 daN
ZS 2c :pretazenie =	1.796, namahanie = 73.565 MPa
	plny tah = 2078.517 daN
ZS 2c :pretazenie =	2.858, namahanie = 106.849 MPa
	plny tah = 3018.906 daN
ZS 3a :pretazenie =	4.111, namahanie = 141.823 MPa
	plny tah = 4007.055 daN
ZS 3b :pretazenie =	2.804, namahanie = 105.254 MPa
	plny tah = 2973.851 daN
ZS 5a :pretazenie =	2.061, namahanie = 82.303 MPa
	plny tah = 2325.380 daN
ZS 5b :pretazenie =	2.000, namahanie = 80.308 MPa
	plny tah = 2269.024 daN

Posobisko c.13 - uzol 173 - typ : faza, poloha : predne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specifická hmotnost	: 0.03402 N/m.mm2
Modul pružnosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null

Efektivny pocet lan	:	1.00
Uhol lana od osi X	:	90.00
Vetrove rozpatie	:	149.00 m
Tiazove rozpatie	:	121.00 m
Skutocne rozpatie	:	340.00 m
Stredne rozpatie	:	280.00 m
Zakladne namahanie	:	45.00 MPa
Namrazova oblast	:	"I3"
Dlžka retazca	:	1.73 m
Ekviv.hmotnosti retazca	:	73.55 daN
Ekviv.plocha retazca	:	0.47 m ²
Ine zvisle zatazenie	:	49.03 daN
Percento zostatkoveho tahu	:	ZS 2c : 67.16
		ZS 2d : 100.00
		ZS 5a : 68.40
		ZS 5bc: 62.91
Navrhova vyska lana H	:	23.123 m
Stredna rychl. vetra v H	:	28.995 m/s
Stredny tlak vetra	:	525.453 N/m ²
Intenzita turbulencie	:	0.163 N/m ²
Spickovy tlak vetra	:	1124.839 N/m ²
Extrémna námraza, priemer lana:	:	25.505 N/m 0.084261 m
Menovitá námraza, priemer lana:	:	8.927 N/m 0.052868 m
Stredná dĺžka sused.rozpätí	:	298.00 m
Merná dĺžka turbulencie	:	97.65 m
Súčiniteľ pôvodu odozvy	:	0.179
Súčiniteľ konštr.lana Gc	:	0.661
ZS 1 :pretazenie =	:	1.962, namahanie = 79.073 MPa
	:	plny tah = 2234.142 daN
ZS 4 :pretazenie =	:	1.200, namahanie = 58.702 MPa
	:	plny tah = 1658.567 daN
ZS 2a :pretazenie =	:	3.654, namahanie = 129.480 MPa
	:	plny tah = 3658.324 daN
ZS 2c :pretazenie =	:	1.796, namahanie = 73.565 MPa
	:	plny tah = 2078.517 daN
ZS 2c :pretazenie =	:	2.858, namahanie = 106.849 MPa
	:	plny tah = 3018.906 daN
ZS 3a :pretazenie =	:	4.069, namahanie = 140.699 MPa
	:	plny tah = 3975.310 daN
ZS 3b :pretazenie =	:	2.731, namahanie = 103.084 MPa
	:	plny tah = 2912.522 daN
ZS 5a :pretazenie =	:	2.061, namahanie = 82.303 MPa
	:	plny tah = 2325.380 daN
ZS 5b :pretazenie =	:	2.000, namahanie = 80.308 MPa
	:	plny tah = 2269.024 daN

Posobisko c.14 - uzol 137 - typ : faza, poloha : predne

Nazov lana	:	243-AL1/39-ST1A
Prierez lana	:	282.54 mm ²
Priemer lana	:	21.84 mm
Hmotnost lana	:	0.98010 kg/m
Specificka hmotnost	:	0.03402 N/m.mm ²
Modul pružnosti	:	73900.0 MPa
Koef.tepelnej roztaznosti	:	0.000018900 1/st.C
Patri do zväzku	:	null
Efektivny pocet lan	:	1.00
Uhol lana od osi X	:	90.00
Vetrove rozpatie	:	149.00 m
Tiazove rozpatie	:	121.00 m
Skutocne rozpatie	:	340.00 m

Stredne rozpatie	:	280.00 m	
Zakladne namahanie	:	45.00 MPa	
Namrazova oblast	:	"I3"	
Dlzska retazca	:	1.73 m	
Ekviv.hmotnosti retazca	:	73.55 daN	
Ekviv.plocha retazca	:	0.47 m2	
Ine zvisle zatazenie	:	49.03 daN	
Percento zostatkoveho tahu	:	ZS 2c :	67.16
		ZS 2d :	100.00
		ZS 5a :	68.40
		ZS 5bc:	62.91
Navrhova vyska lana H	:	23.123 m	
Stredna rychl. vetra v H	:	28.995 m/s	
Stredny tlak vetra	:	525.453 N/m2	
Intenzita turbulencie	:	0.163 N/m2	
Spickovy tlak vetra	:	1124.839 N/m2	
Extrémna námraza, priemer lana:	25.505 N/m	0.084261 m	
Menovitá námraza,priemer lana:	8.927 N/m	0.052868 m	
Stredná dĺžka sused.rozpätí	:	298.00 m	
Merná dĺžka turbulencie	:	97.65 m	
Súčiniteľ pôvodu odozvy	:	0.179	
Súčiniteľ konštr.lana Gc	:	0.661	
ZS 1 :pretazenie =	1.962,	namahanie =	79.073 MPa
		plny tahu =	2234.142 daN
ZS 4 :pretazenie =	1.200,	namahanie =	58.702 MPa
		plny tahu =	1658.567 daN
ZS 2a :pretazenie =	3.654,	namahanie =	129.480 MPa
		plny tahu =	3658.324 daN
ZS 2c :pretazenie =	1.796,	namahanie =	73.565 MPa
		plny tahu =	2078.517 daN
ZS 2c :pretazenie =	2.858,	namahanie =	106.849 MPa
		plny tahu =	3018.906 daN
ZS 3a :pretazenie =	4.069,	namahanie =	140.699 MPa
		plny tahu =	3975.310 daN
ZS 3b :pretazenie =	2.731,	namahanie =	103.084 MPa
		plny tahu =	2912.522 daN
ZS 5a :pretazenie =	2.061,	namahanie =	82.303 MPa
		plny tahu =	2325.380 daN
ZS 5b :pretazenie =	2.000,	namahanie =	80.308 MPa
		plny tahu =	2269.024 daN

END

3. Zatížení stožáru U11+9

Pocet zakladnych stavov : 33

Pocet kombinacii : 30

ZS 1 Vlastna hmotnost

TLAC 000

1 002	-39.5	2 002	-26.6	3 002	-28.0	4 002	-39.5
5 002	-26.6	6 002	-28.0	7 002	-39.5	8 002	-26.6
9 002	-28.0	10 002	-39.5	11 002	-26.6	12 002	-28.0
13 002	-33.8	14 002	-23.0	15 002	-33.8	16 002	-23.0
17 002	-33.8	18 002	-23.0	19 002	-33.8	20 002	-23.0
21 002	-25.5	22 002	-25.3	23 002	-25.1	24 002	-24.9
25 002	-24.8	26 002	-24.6	27 002	-24.4	28 002	-24.2
29 002	-24.0	30 002	-33.8	31 002	-25.5	32 002	-25.3
33 002	-25.1	34 002	-24.9	35 002	-24.8	36 002	-24.6
37 002	-24.4	38 002	-24.2	39 002	-24.0	40 002	-33.8
41 002	-25.5	42 002	-25.3	43 002	-25.1	44 002	-24.9
45 002	-24.8	46 002	-24.6	47 002	-24.4	48 002	-24.2
49 002	-24.0	50 002	-33.8	51 002	-25.5	52 002	-25.3
53 002	-25.1	54 002	-24.9	55 002	-24.8	56 002	-24.6
57 002	-24.4	58 002	-24.2	59 002	-24.0	60 002	-33.8
61 002	-17.1	62 002	-17.1	63 002	-17.1	64 002	-17.1
65 002	-13.7	66 002	-23.0	67 002	-13.7	68 002	-13.7
69 002	-13.7	70 002	-13.7	71 002	-25.5	72 002	-23.6
73 002	-22.5	74 002	-22.7	75 002	-12.5	76 002	-26.3
77 002	-18.9	78 002	-12.0	79 002	-12.0	80 002	-22.3
81 002	-14.5	82 002	-13.7	83 002	-23.0	84 002	-13.7
85 002	-13.7	86 002	-13.7	87 002	-13.7	88 002	-26.8
89 002	-23.6	90 002	-22.5	91 002	-22.7	92 002	-12.5
93 002	-26.3	94 002	-18.9	95 002	-12.0	96 002	-12.0
97 002	-23.6	98 002	-14.5	99 002	-13.7	100 002	-23.0
101 002	-13.7	102 002	-13.7	103 002	-13.7	104 002	-13.7
105 002	-26.8	106 002	-23.6	107 002	-22.5	108 002	-22.7
109 002	-12.5	110 002	-24.8	111 002	-18.9	112 002	-12.0
113 002	-12.0	114 002	-23.6	115 002	-14.5	116 002	-13.7
117 002	-23.0	118 002	-13.7	119 002	-13.7	120 002	-13.7
121 002	-13.7	122 002	-25.5	123 002	-23.6	124 002	-22.5
125 002	-22.7	126 002	-12.5	127 002	-24.8	128 002	-18.9
129 002	-12.0	130 002	-12.0	131 002	-22.3	132 002	-14.5
133 002	-7.8	134 002	-4.7	135 002	-6.0	136 002	-4.3
137 002	-6.0	138 002	-7.6	139 002	-4.7	140 002	-6.7
141 002	-4.3	142 002	-4.2	143 002	-11.0	144 002	-5.9
145 002	-8.9	146 002	-5.5	147 002	-8.3	148 002	-10.8
149 002	-5.9	150 002	-9.8	151 002	-5.5	152 002	-5.9
153 002	-4.8	154 002	-4.3	155 002	-7.9	156 002	-6.0
157 002	-6.1	158 002	-4.8	159 002	-4.3	160 002	-7.7
161 002	-4.3	162 002	-6.7	163 002	-11.0	164 002	-10.8
165 002	-8.9	166 002	-9.8	167 002	-8.3	168 002	-5.9
169 002	-5.5	170 002	-5.9	171 002	-5.5	172 002	-5.9
173 002	-6.0	174 002	-4.2	175 002	-6.1	176 002	-4.3
177 002	-5.0	178 002	-5.0	179 002	-10.3	180 002	-10.3
181 002	-8.0	182 002	-8.0	183 002	-31.2	184 002	-31.2
185 002	-31.2	186 002	-31.2	187 002	-7.9	188 002	-6.0
189 002	-6.7	190 002	-7.7	191 002	-4.3	192 002	-4.3
193 002	-4.8	194 002	-4.8	195 002	-7.8	196 002	-6.0
197 002	-6.7	198 002	-7.6	199 002	-4.3	200 002	-4.3
201 002	-4.7	202 002	-4.7	203 002	-7.5	204 002	-6.9
205 002	-6.4	206 002	-6.4	207 002	-6.9	208 002	-7.5
209 002	-6.4	210 002	-6.9	211 002	-7.5	212 002	-7.5
213 002	-6.9	214 002	-6.4	215 002	-25.2	216 002	-25.2

217 002	-25.2	218 002	-25.2	219 002	-19.1	220 002	-18.9
221 002	-18.7	222 002	-18.5	223 002	-18.4	224 002	-18.2
225 002	-18.0	226 002	-17.9	227 002	-17.7	228 002	-19.1
229 002	-18.9	230 002	-18.7	231 002	-18.5	232 002	-18.4
233 002	-18.2	234 002	-18.0	235 002	-17.9	236 002	-17.7
237 002	-19.1	238 002	-18.9	239 002	-18.7	240 002	-18.5
241 002	-18.4	242 002	-18.2	243 002	-18.0	244 002	-17.9
245 002	-17.7	246 002	-19.1	247 002	-18.9	248 002	-18.7
249 002	-18.5	250 002	-18.4	251 002	-18.2	252 002	-18.0
253 002	-17.9	254 002	-17.7	255 002	-20.8	256 002	-20.6
257 002	-20.4	258 002	-20.3	259 002	-20.1	260 002	-19.9
261 002	-19.7	262 002	-19.6	263 002	-19.4	264 002	-20.8
265 002	-20.6	266 002	-20.4	267 002	-20.3	268 002	-20.1
269 002	-19.9	270 002	-19.7	271 002	-19.6	272 002	-19.4
273 002	-20.8	274 002	-20.6	275 002	-20.4	276 002	-20.3
277 002	-20.1	278 002	-19.9	279 002	-19.7	280 002	-19.6
281 002	-19.4	282 002	-20.8	283 002	-20.6	284 002	-20.4
285 002	-20.3	286 002	-20.1	287 002	-19.9	288 002	-19.7
289 002	-19.6	290 002	-19.4	291 002	-26.7	292 002	-26.9
293 002	-27.2	294 002	-26.7	295 002	-26.9	296 002	-27.2
297 002	-26.7	298 002	-26.9	299 002	-27.2	300 002	-26.7
301 002	-26.9	302 002	-27.2				

END

ZS 2 Vietor kolmo na vedenie

TLAC 000

3 001	7.5	12 001	7.5	13 001	48.4	14 001	27.6
15 001	22.9	20 001	14.9	21 001	37.8	22 001	37.5
23 001	37.1	24 001	36.7	25 001	36.4	26 001	36.0
27 001	35.7	28 001	35.3	29 001	35.0	30 001	44.3
32 001	12.6	34 001	12.6	36 001	12.6	38 001	12.6
40 001	21.9	51 001	12.6	53 001	12.6	55 001	12.6
57 001	12.6	59 001	12.6	61 001	41.0	63 001	24.3
65 001	29.5	66 001	38.4	67 001	29.5	68 001	29.5
69 001	29.5	70 001	29.5	71 001	44.4	72 001	46.8
73 001	45.7	74 001	43.6	75 001	32.2	76 001	43.7
77 001	41.3	78 001	32.0	79 001	32.0	80 001	44.2
81 001	36.3	83 001	21.5	84 001	12.9	86 001	12.9
88 001	26.4	90 001	25.7	92 001	16.2	94 001	24.9
95 001	15.2	97 001	27.1	116 001	12.9	119 001	12.9
121 001	12.9	123 001	27.1	125 001	25.6	127 001	27.5
130 001	15.2	132 001	21.9	163 001	6.0	164 001	6.0
165 001	3.4	166 001	3.4	167 001	4.3	168 001	8.9
169 001	6.5	170 001	8.9	171 001	6.5	172 001	4.3
173 001	4.0	174 001	4.0	175 001	4.6	176 001	4.6
181 001	15.1	182 001	10.5	183 001	43.7	186 001	21.9
187 001	6.1	188 001	3.2	189 001	3.2	190 001	6.1
191 001	7.1	192 001	7.1	193 001	9.8	194 001	9.8
195 001	5.5	196 001	2.9	197 001	2.9	198 001	5.5
199 001	6.3	200 001	6.3	201 001	8.9	202 001	8.9
203 001	21.2	204 001	20.1	205 001	19.3	212 001	20.7
213 001	19.8	214 001	18.9	215 001	41.9	218 001	21.8
219 001	15.0	220 001	34.3	221 001	15.0	222 001	33.5
223 001	15.0	224 001	32.8	225 001	15.4	226 001	33.7
227 001	15.8	246 001	34.7	247 001	15.0	248 001	33.9
249 001	15.0	250 001	33.1	251 001	15.0	252 001	33.2
253 001	15.8	254 001	33.3	255 001	14.0	256 001	35.7
257 001	14.0	258 001	35.0	259 001	14.0	260 001	34.2
261 001	14.0	262 001	33.4	263 001	14.5	282 001	36.1
283 001	14.0	284 001	35.4	285 001	14.0	286 001	34.6
287 001	14.0	288 001	33.8	289 001	14.0	290 001	34.3
291 001	15.7	292 001	37.6	293 001	15.7	300 001	37.2
301 001	15.7	302 001	38.0				

END

ZS 3 Vietor v smere vedenia

TLAC 000

3 003	7.5	6 003	7.5	14 003	14.9	15 003	48.4
16 003	27.6	17 003	22.9	21 003	12.6	23 003	12.6
25 003	12.6	27 003	12.6	29 003	12.6	31 003	37.8
32 003	37.5	33 003	37.1	34 003	36.7	35 003	36.4
36 003	36.0	37 003	35.7	38 003	35.3	39 003	35.0
40 003	44.3	42 003	12.6	44 003	12.6	46 003	12.6
48 003	12.6	50 003	21.9	61 003	16.6	64 003	33.3
65 003	12.9	68 003	12.9	70 003	12.9	72 003	32.5
74 003	25.6	76 003	38.1	79 003	15.2	81 003	26.1
82 003	29.5	83 003	38.4	84 003	29.5	85 003	29.5
86 003	29.5	87 003	29.5	88 003	49.3	89 003	52.2
90 003	47.6	91 003	43.6	92 003	32.2	93 003	54.2
94 003	47.3	95 003	32.0	96 003	32.0	97 003	49.3
98 003	40.6	100 003	21.5	101 003	12.9	103 003	12.9
105 003	31.3	107 003	27.6	109 003	16.2	111 003	30.9
112 003	15.2	114 003	32.3	138 003	16.3	139 003	18.0
140 003	11.3	141 003	15.8	142 003	10.4	148 003	24.7
149 003	22.7	150 003	18.3	151 003	21.0	152 003	15.9
158 003	19.0	159 003	17.0	160 003	17.7	161 003	11.2
162 003	12.3	164 003	24.7	166 003	18.3	168 003	22.7
169 003	21.0	172 003	15.9	174 003	10.4	176 003	11.2
178 003	3.7	179 003	14.2	182 003	15.1	185 003	21.9
186 003	43.7	189 003	12.3	190 003	17.7	192 003	17.0
194 003	19.0	197 003	11.3	198 003	16.3	200 003	15.8
202 003	18.0	209 003	18.9	210 003	19.8	211 003	20.7
212 003	21.2	213 003	20.1	214 003	19.3	217 003	21.8
218 003	41.9	237 003	34.7	238 003	15.0	239 003	33.9
240 003	15.0	241 003	33.1	242 003	15.0	243 003	33.2
244 003	15.8	245 003	33.3	246 003	15.0	247 003	34.3
248 003	15.0	249 003	33.5	250 003	15.0	251 003	32.8
252 003	15.4	253 003	33.7	254 003	15.8	273 003	36.1
274 003	14.0	275 003	35.4	276 003	14.0	277 003	34.6
278 003	14.0	279 003	33.8	280 003	14.0	281 003	34.3
282 003	14.0	283 003	35.7	284 003	14.0	285 003	35.0
286 003	14.0	287 003	34.2	288 003	14.0	289 003	33.4
290 003	14.5	297 003	37.2	298 003	15.7	299 003	38.0
300 003	15.7	301 003	37.6	302 003	15.7		

END

ZS 4 : Extrem.vietor kolmo na ved.,bez N - ZS 1

TLAC 000

137 001	306.3	137 002	-238.9	137 003	2234.1	142 001	306.3
142 002	-238.9	142 003	-2234.1	147 001	321.2	147 002	-238.9
147 003	2305.0	152 001	321.2	152 002	-238.9	152 003	-2305.0
157 001	334.5	157 002	-238.9	157 003	2368.2	161 001	334.5
161 002	-238.9	161 003	-2368.2	167 001	321.2	167 002	-238.9
167 003	2305.0	172 001	321.2	172 002	-238.9	172 003	-2305.0
173 001	306.3	173 002	-238.9	173 003	2234.1	174 001	306.3
174 002	-238.9	174 003	-2234.1	175 001	334.5	175 002	-238.9
175 003	2368.2	176 001	334.5	176 002	-238.9	176 003	-2368.2
177 001	191.6	177 002	-113.5	177 003	1570.9	178 001	191.6
178 002	-113.5	178 003	-1570.9				

END

ZS 5 : Extrem.vietor v smere ved.,bez N - ZS 1

TLAC 000

137 002	-238.9	137 003	1336.0	142 002	-238.9	142 003	-1206.9
147 002	-238.9	147 003	1338.2	152 002	-238.9	152 003	-1204.7
157 002	-238.9	157 003	1340.1	161 002	-238.9	161 003	-1202.8
167 002	-238.9	167 003	1338.2	172 002	-238.9	172 003	-1204.7
173 002	-238.9	173 003	1336.0	174 002	-238.9	174 003	-1206.9

175 002	-238.9	175 003	1340.1	176 002	-238.9	176 003	-1202.8
177 002	-113.5	177 003	718.6	178 002	-113.5	178 003	-718.6

END

ZS 6 : Extrem.vietor pod uhlom 45 st.,bez N - ZS 1

TLAC 000

137 001	131.1	137 002	-238.9	137 003	1893.7	142 001	131.1
142 002	-238.9	142 003	-1802.4	147 001	137.2	147 002	-238.9
147 003	1942.9	152 001	137.2	152 002	-238.9	152 003	-1848.5
157 001	142.5	157 002	-238.9	157 003	1987.2	161 001	142.5
161 002	-238.9	161 003	-1890.0	167 001	137.2	167 002	-238.9
167 003	1942.9	172 001	137.2	172 002	-238.9	172 003	-1848.5
173 001	131.1	173 002	-238.9	173 003	1893.7	174 001	131.1
174 002	-238.9	174 003	-1802.4	175 001	142.5	175 002	-238.9
175 003	1987.2	176 001	142.5	176 002	-238.9	176 003	-1890.0
177 001	67.8	177 002	-113.5	177 003	1260.3	178 001	67.8
178 002	-113.5	178 003	-1260.3				

END

ZS 7 : Minimalna teplota bez W,bez N - ZS 4

TLAC 000

137 002	-262.1	137 003	1658.6	142 002	-262.1	142 003	-1658.6
147 002	-262.1	147 003	1658.6	152 002	-262.1	152 003	-1658.6
157 002	-262.1	157 003	1658.6	161 002	-262.1	161 003	-1658.6
167 002	-262.1	167 003	1658.6	172 002	-262.1	172 003	-1658.6
173 002	-262.1	173 003	1658.6	174 002	-262.1	174 003	-1658.6
175 002	-262.1	175 003	1658.6	176 002	-262.1	176 003	-1658.6
177 002	-126.4	177 003	924.6	178 002	-126.4	178 003	-924.6

END

ZS 8 : Extremna rovnomerna N,bez W - ZS 2a

TLAC 000

137 002	-547.5	137 003	3658.3	142 002	-547.5	142 003	-3658.3
147 002	-547.5	147 003	3658.3	152 002	-547.5	152 003	-3658.3
157 002	-547.5	157 003	3658.3	161 002	-547.5	161 003	-3658.3
167 002	-547.5	167 003	3658.3	172 002	-547.5	172 003	-3658.3
173 002	-547.5	173 003	3658.3	174 002	-547.5	174 003	-3658.3
175 002	-547.5	175 003	3658.3	176 002	-547.5	176 003	-3658.3
177 002	-381.7	177 003	2642.5	178 002	-381.7	178 003	-2642.5

END

ZS 9 : Reduk. N suc. k1 vzadu a k2 vpred - pozdlz.ohyb - ZS 2c

TLAC 000

137 002	-454.9	137 003	2159.4	142 002	-331.5	142 003	-1395.9
147 002	-454.9	147 003	2159.4	152 002	-331.5	152 003	-1395.9
157 002	-454.9	157 003	2159.4	161 002	-331.5	161 003	-1395.9
167 002	-454.9	167 003	2159.4	172 002	-331.5	172 003	-1395.9
173 002	-454.9	173 003	2159.4	174 002	-331.5	174 003	-1395.9
175 002	-454.9	175 003	2159.4	176 002	-331.5	176 003	-1395.9
177 002	-301.2	177 003	2144.7	178 002	-193.9	178 003	-1395.2

END

ZS 10 : Reduk. N suc. k2 vzadu a k1 vpred - pozdlz.ohyb - ZS 2c

TLAC 000

137 002	-331.5	137 003	1395.9	142 002	-454.9	142 003	-2159.4
147 002	-331.5	147 003	1395.9	152 002	-454.9	152 003	-2159.4
157 002	-331.5	157 003	1395.9	161 002	-454.9	161 003	-2159.4
167 002	-331.5	167 003	1395.9	172 002	-454.9	172 003	-2159.4
173 002	-331.5	173 003	1395.9	174 002	-454.9	174 003	-2159.4
175 002	-331.5	175 003	1395.9	176 002	-454.9	176 003	-2159.4
177 002	-193.9	177 003	1395.2	178 002	-301.2	178 003	-2144.7

END

ZS 11 : Mierny vietor kolmo na vedenie + extremna N - ZS 3a

TLAC 000

137 001	271.7	137 002	-547.5	137 003	3975.3	142 001	271.7
142 002	-547.5	142 003	-3975.3	147 001	285.9	147 002	-547.5
147 003	4007.1	152 001	285.9	152 002	-547.5	152 003	-4007.1

157 001	298.5	157 002	-547.5	157 003	4036.3	161 001	298.5
161 002	-547.5	161 003	-4036.3	167 001	285.9	167 002	-547.5
167 003	4007.1	172 001	285.9	172 002	-547.5	172 003	-4007.1
173 001	271.7	173 002	-547.5	173 003	3975.3	174 001	271.7
174 002	-547.5	174 003	-3975.3	175 001	298.5	175 002	-547.5
175 003	4036.3	176 001	298.5	176 002	-547.5	176 003	-4036.3
177 001	273.5	177 002	-381.7	177 003	3030.4	178 001	273.5
178 002	-381.7	178 003	-3030.4				

END

ZS 12 : Mierny vietor v smere vedenia + extremna N - ZS 3a

TLAC 000

137 002	-547.5	137 003	3673.5	142 002	-547.5	142 003	-3643.2
147 002	-547.5	147 003	3674.2	152 002	-547.5	152 003	-3642.5
157 002	-547.5	157 003	3674.8	161 002	-547.5	161 003	-3641.8
167 002	-547.5	167 003	3674.2	172 002	-547.5	172 003	-3642.5
173 002	-547.5	173 003	3673.5	174 002	-547.5	174 003	-3643.2
175 002	-547.5	175 003	3674.8	176 002	-547.5	176 003	-3641.8
177 002	-381.7	177 003	2642.5	178 002	-381.7	178 003	-2642.5

END

ZS 13 : Mierny vietor pod uhlom 45 st. + extremna N - ZS 3a

TLAC 000

137 001	101.4	137 002	-547.5	137 003	3833.1	142 001	101.4
142 002	-547.5	142 003	-3811.6	147 001	106.7	147 002	-547.5
147 003	3850.6	152 001	106.7	152 002	-547.5	152 003	-3828.1
157 001	111.4	157 002	-547.5	157 003	3866.8	161 001	111.4
161 002	-547.5	161 003	-3843.5	167 001	106.7	167 002	-547.5
167 003	3850.6	172 001	106.7	172 002	-547.5	172 003	-3828.1
173 001	101.4	173 002	-547.5	173 003	3833.1	174 001	101.4
174 002	-547.5	174 003	-3811.6	175 001	111.4	175 002	-547.5
175 003	3866.8	176 001	111.4	176 002	-547.5	176 003	-3843.5
177 001	96.7	177 002	-381.7	177 003	2848.2	178 001	96.7
178 002	-381.7	178 003	-2848.2				

END

ZS 14 : Extremny vietor kolmo na vedenie + menovita N - ZS 3b

TLAC 000

137 001	307.2	137 002	-346.9	137 003	2912.5	142 001	307.2
142 002	-346.9	142 003	-2912.5	147 001	323.1	147 002	-346.9
147 003	2973.9	152 001	323.1	152 002	-346.9	152 003	-2973.9
157 001	337.4	157 002	-346.9	157 003	3029.3	161 001	337.4
161 002	-346.9	161 003	-3029.3	167 001	323.1	167 002	-346.9
167 003	2973.9	172 001	323.1	172 002	-346.9	172 003	-2973.9
173 001	307.2	173 002	-346.9	173 003	2912.5	174 001	307.2
174 002	-346.9	174 003	-2912.5	175 001	337.4	175 002	-346.9
175 003	3029.3	176 001	337.4	176 002	-346.9	176 003	-3029.3
177 001	287.7	177 002	-207.3	177 003	2335.7	178 001	287.7
178 002	-207.3	178 003	-2335.7				

END

ZS 15 : Extremny vietor v smere vedenia + menovita N - ZS 3b

TLAC 000

137 002	-346.9	137 003	2233.4	142 002	-346.9	142 003	-2172.8
147 002	-346.9	147 003	2234.8	152 002	-346.9	152 003	-2171.3
157 002	-346.9	157 003	2236.1	161 002	-346.9	161 003	-2170.1
167 002	-346.9	167 003	2234.8	172 002	-346.9	172 003	-2171.3
173 002	-346.9	173 003	2233.4	174 002	-346.9	174 003	-2172.8
175 002	-346.9	175 003	2236.1	176 002	-346.9	176 003	-2170.1
177 002	-207.3	177 003	1496.2	178 002	-207.3	178 003	-1496.2

END

ZS 16 : Extremny vietor sikmo na vedenie + menovita N - ZS 3b

TLAC 000

137 001	119.3	137 002	-346.9	137 003	2618.0	142 001	119.3
142 002	-346.9	142 003	-2575.1	147 001	125.5	147 002	-346.9
147 003	2656.1	152 001	125.5	152 002	-346.9	152 003	-2611.2

157 001	130.9	157 002	-346.9	157 003	2690.9	161 001	130.9
161 002	-346.9	161 003	-2644.2	167 001	125.5	167 002	-346.9
167 003	2656.1	172 001	125.5	172 002	-346.9	172 003	-2611.2
173 001	119.3	173 002	-346.9	173 003	2618.0	174 001	119.3
174 002	-346.9	174 003	-2575.1	175 001	130.9	175 002	-346.9
175 003	2690.9	176 001	130.9	176 002	-346.9	176 003	-2644.2
177 001	101.7	177 002	-207.3	177 003	1991.3	178 001	101.7
178 002	-207.3	178 003	-1991.3				

END

ZS 17 : Zabezpec. zat.- Pretrh.lana v posob.c.178 - ZS 5a

TLAC 000

137 002	-362.3	137 003	1590.6	142 002	-362.3	142 003	-1590.6
147 002	-362.3	147 003	1590.6	152 002	-362.3	152 003	-1590.6
157 002	-362.3	157 003	1590.6	161 002	-362.3	161 003	-1590.6
167 002	-362.3	167 003	1590.6	172 002	-362.3	172 003	-1590.6
173 002	-362.3	173 003	1590.6	174 002	-362.3	174 003	-1590.6
175 002	-362.3	175 003	1590.6	176 002	-362.3	176 003	-1590.6
177 002	-220.8	177 003	1594.7				

END

ZS 18 : Zabezpec. zat.- Pretrh.lana v posob.c.177 - ZS 5a

TLAC 000

137 002	-362.3	137 003	1590.6	142 002	-362.3	142 003	-1590.6
147 002	-362.3	147 003	1590.6	152 002	-362.3	152 003	-1590.6
157 002	-362.3	157 003	1590.6	161 002	-362.3	161 003	-1590.6
167 002	-362.3	167 003	1590.6	172 002	-362.3	172 003	-1590.6
173 002	-362.3	173 003	1590.6	174 002	-362.3	174 003	-1590.6
175 002	-362.3	175 003	1590.6	176 002	-362.3	176 003	-1590.6
178 002	-220.8	178 003	-1594.7				

END

ZS 19 : Zabezpec. zat.- Pretrh.lana v posob.c.176 - ZS 5a

TLAC 000

137 002	-362.3	137 003	1590.6	142 002	-362.3	142 003	-1590.6
147 002	-362.3	147 003	1590.6	152 002	-362.3	152 003	-1590.6
157 002	-362.3	157 003	1590.6	161 002	-362.3	161 003	-1590.6
167 002	-362.3	167 003	1590.6	172 002	-362.3	172 003	-1590.6
173 002	-362.3	173 003	1590.6	174 002	-362.3	174 003	-1590.6
175 002	-362.3	175 003	1590.6	177 002	-220.8	177 003	1594.7
178 002	-220.8	178 003	-1594.7				

END

ZS 20 : Zabezpec. zat.- Pretrh.lana v posob.c.161 - ZS 5a

TLAC 000

137 002	-362.3	137 003	1590.6	142 002	-362.3	142 003	-1590.6
147 002	-362.3	147 003	1590.6	152 002	-362.3	152 003	-1590.6
157 002	-362.3	157 003	1590.6	167 002	-362.3	167 003	1590.6
172 002	-362.3	172 003	-1590.6	173 002	-362.3	173 003	1590.6
174 002	-362.3	174 003	-1590.6	175 002	-362.3	175 003	1590.6
176 002	-362.3	176 003	-1590.6	177 002	-220.8	177 003	1594.7
178 002	-220.8	178 003	-1594.7				

END

ZS 21 : Zabezpec. zat.- Pretrh.lana v posob.c.172 - ZS 5a

TLAC 000

137 002	-362.3	137 003	1590.6	142 002	-362.3	142 003	-1590.6
147 002	-362.3	147 003	1590.6	152 002	-362.3	152 003	-1590.6
157 002	-362.3	157 003	1590.6	161 002	-362.3	161 003	-1590.6
167 002	-362.3	167 003	1590.6	173 002	-362.3	173 003	1590.6
174 002	-362.3	174 003	-1590.6	175 002	-362.3	175 003	1590.6
176 002	-362.3	176 003	-1590.6	177 002	-220.8	177 003	1594.7
178 002	-220.8	178 003	-1594.7				

END

ZS 22 : Zabezpec. zat.- Pretrh.lana v posob.c.152 - ZS 5a

TLAC 000

137 002	-362.3	137 003	1590.6	142 002	-362.3	142 003	-1590.6
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147 002 -362.3	147 003 1590.6	157 002 -362.3	157 003 1590.6
161 002 -362.3	161 003 -1590.6	167 002 -362.3	167 003 1590.6
172 002 -362.3	172 003 -1590.6	173 002 -362.3	173 003 1590.6
174 002 -362.3	174 003 -1590.6	175 002 -362.3	175 003 1590.6
176 002 -362.3	176 003 -1590.6	177 002 -220.8	177 003 1594.7
178 002 -220.8	178 003 -1594.7		

END

ZS 23 : Zabezpec. zat.- Pretrh.lana v posob.c.174 - ZS 5a

TLAC 000

137 002 -362.3	137 003 1590.6	142 002 -362.3	142 003 -1590.6
147 002 -362.3	147 003 1590.6	152 002 -362.3	152 003 -1590.6
157 002 -362.3	157 003 1590.6	161 002 -362.3	161 003 -1590.6
167 002 -362.3	167 003 1590.6	172 002 -362.3	172 003 -1590.6
173 002 -362.3	173 003 1590.6	175 002 -362.3	175 003 1590.6
176 002 -362.3	176 003 -1590.6	177 002 -220.8	177 003 1594.7
178 002 -220.8	178 003 -1594.7		

END

ZS 24 : Zabezpec. zat.- Pretrh.lana v posob.c.142 - ZS 5a

TLAC 000

137 002 -362.3	137 003 1590.6	147 002 -362.3	147 003 1590.6
152 002 -362.3	152 003 -1590.6	157 002 -362.3	157 003 1590.6
161 002 -362.3	161 003 -1590.6	167 002 -362.3	167 003 1590.6
172 002 -362.3	172 003 -1590.6	173 002 -362.3	173 003 1590.6
174 002 -362.3	174 003 -1590.6	175 002 -362.3	175 003 1590.6
176 002 -362.3	176 003 -1590.6	177 002 -220.8	177 003 1594.7
178 002 -220.8	178 003 -1594.7		

END

ZS 25 : Zabezpec. zat.- Pretrh.lana v posob.c.175 - ZS 5a

TLAC 000

137 002 -362.3	137 003 1590.6	142 002 -362.3	142 003 -1590.6
147 002 -362.3	147 003 1590.6	152 002 -362.3	152 003 -1590.6
157 002 -362.3	157 003 1590.6	161 002 -362.3	161 003 -1590.6
167 002 -362.3	167 003 1590.6	172 002 -362.3	172 003 -1590.6
173 002 -362.3	173 003 1590.6	174 002 -362.3	174 003 -1590.6
176 002 -362.3	176 003 -1590.6	177 002 -220.8	177 003 1594.7
178 002 -220.8	178 003 -1594.7		

END

ZS 26 : Zabezpec. zat.- Pretrh.lana v posob.c.157 - ZS 5a

TLAC 000

137 002 -362.3	137 003 1590.6	142 002 -362.3	142 003 -1590.6
147 002 -362.3	147 003 1590.6	152 002 -362.3	152 003 -1590.6
161 002 -362.3	161 003 -1590.6	167 002 -362.3	167 003 1590.6
172 002 -362.3	172 003 -1590.6	173 002 -362.3	173 003 1590.6
174 002 -362.3	174 003 -1590.6	175 002 -362.3	175 003 1590.6
176 002 -362.3	176 003 -1590.6	177 002 -220.8	177 003 1594.7
178 002 -220.8	178 003 -1594.7		

END

ZS 27 : Zabezpec. zat.- Pretrh.lana v posob.c.167 - ZS 5a

TLAC 000

137 002 -362.3	137 003 1590.6	142 002 -362.3	142 003 -1590.6
147 002 -362.3	147 003 1590.6	152 002 -362.3	152 003 -1590.6
157 002 -362.3	157 003 1590.6	161 002 -362.3	161 003 -1590.6
172 002 -362.3	172 003 -1590.6	173 002 -362.3	173 003 1590.6
174 002 -362.3	174 003 -1590.6	175 002 -362.3	175 003 1590.6
176 002 -362.3	176 003 -1590.6	177 002 -220.8	177 003 1594.7
178 002 -220.8	178 003 -1594.7		

END

ZS 28 : Zabezpec. zat.- Pretrh.lana v posob.c.147 - ZS 5a

TLAC 000

137 002 -362.3	137 003 1590.6	142 002 -362.3	142 003 -1590.6
152 002 -362.3	152 003 -1590.6	157 002 -362.3	157 003 1590.6
161 002 -362.3	161 003 -1590.6	167 002 -362.3	167 003 1590.6

172 002	-362.3	172 003	-1590.6	173 002	-362.3	173 003	1590.6
174 002	-362.3	174 003	-1590.6	175 002	-362.3	175 003	1590.6
176 002	-362.3	176 003	-1590.6	177 002	-220.8	177 003	1594.7
178 002	-220.8	178 003	-1594.7				

END

ZS 29 : Zabezpec. zat.- Pretrh.lana v posob.c.173 - ZS 5a

TLAC 000

137 002	-362.3	137 003	1590.6	142 002	-362.3	142 003	-1590.6
147 002	-362.3	147 003	1590.6	152 002	-362.3	152 003	-1590.6
157 002	-362.3	157 003	1590.6	161 002	-362.3	161 003	-1590.6
167 002	-362.3	167 003	1590.6	172 002	-362.3	172 003	-1590.6
174 002	-362.3	174 003	-1590.6	175 002	-362.3	175 003	1590.6
176 002	-362.3	176 003	-1590.6	177 002	-220.8	177 003	1594.7
178 002	-220.8	178 003	-1594.7				

END

ZS 30 : Zabezpec. zat.- Pretrh.lana v posob.c.137 - ZS 5a

TLAC 000

142 002	-362.3	142 003	-1590.6	147 002	-362.3	147 003	1590.6
152 002	-362.3	152 003	-1590.6	157 002	-362.3	157 003	1590.6
161 002	-362.3	161 003	-1590.6	167 002	-362.3	167 003	1590.6
172 002	-362.3	172 003	-1590.6	173 002	-362.3	173 003	1590.6
174 002	-362.3	174 003	-1590.6	175 002	-362.3	175 003	1590.6
176 002	-362.3	176 003	-1590.6	177 002	-220.8	177 003	1594.7
178 002	-220.8	178 003	-1594.7				

END

ZS 31 : Zabezp.zataz - pozdlzny ohyb - zadne rozpatie - ZS 5b

TLAC 000

137 002	-238.9	137 003	1247.2	142 002	-238.9	142 003	-799.8
147 002	-238.9	147 003	1247.2	152 002	-238.9	152 003	-799.8
157 002	-238.9	157 003	1247.2	161 002	-238.9	161 003	-799.8
167 002	-238.9	167 003	1247.2	172 002	-238.9	172 003	-799.8
173 002	-238.9	173 003	1247.2	174 002	-238.9	174 003	-799.8
175 002	-238.9	175 003	1247.2	176 002	-238.9	176 003	-799.8
177 002	-113.5	177 003	1270.9	178 002	-113.5	178 003	-718.6

END

ZS 32 : Zabezp.zataz - pozdlzny ohyb - predne rozpatie - ZS 5b

TLAC 000

137 002	-238.9	137 003	799.8	142 002	-238.9	142 003	-1247.2
147 002	-238.9	147 003	799.8	152 002	-238.9	152 003	-1247.2
157 002	-238.9	157 003	799.8	161 002	-238.9	161 003	-1247.2
167 002	-238.9	167 003	799.8	172 002	-238.9	172 003	-1247.2
173 002	-238.9	173 003	799.8	174 002	-238.9	174 003	-1247.2
175 002	-238.9	175 003	799.8	176 002	-238.9	176 003	-1247.2
177 002	-113.5	177 003	718.6	178 002	-113.5	178 003	-1270.9

END

ZS 33 : Montazne zatazenie - ZS 6

TLAC 000

137 002	-453.2	142 002	-453.2	147 002	-453.2	152 002	-453.2
157 002	-453.2	161 002	-453.2	167 002	-453.2	172 002	-453.2
173 002	-453.2	174 002	-453.2	175 002	-453.2	176 002	-453.2
177 002	-276.0	178 002	-276.0				

END

KOMB ZS 34: 1+2+4

DISK

KOMB

1	1.000	2	1.000	4	1.000
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END

KOMB ZS 35: 1+3+5

DISK

KOMB

1	1.000	3	1.000	5	1.000
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END

```

KOMB ZS 36: 1+2+3+6
DISK
KOMB
  1  1.000  2  1.000  3  1.000  6  1.000
END
KOMB ZS 37: 1+7
DISK
KOMB
  1  1.000  7  1.000
END
KOMB ZS 38: 1+8
DISK
KOMB
  1  1.000  8  1.000
END
KOMB ZS 39: 1+9
DISK
KOMB
  1  1.000  9  1.000
END
KOMB ZS 40: 1+10
DISK
KOMB
  1  1.000 10  1.000
END
KOMB ZS 41: 1+2+11
DISK
KOMB
  1  1.000  2  0.500 11  1.000
END
KOMB ZS 42: 1+3+12
DISK
KOMB
  1  1.000  3  0.500 12  1.000
END
KOMB ZS 43: 1+2+3+13
DISK
KOMB
  1  1.000  2  0.500  3  0.500 13  1.000
END
KOMB ZS 41: 1+2+11
DISK
KOMB
  1  1.000  2  1.000 14  1.000
END
KOMB ZS 42: 1+3+12
DISK
KOMB
  1  1.000  3  1.000 15  1.000
END
KOMB ZS 43: 1+2+3+13
DISK
KOMB
  1  1.000  2  1.000  3  1.000 16  1.000
END
KOMB ZS 47: 1+17
DISK
KOMB
  1  1.000 17  1.000
END
KOMB ZS 48: 1+18
DISK

```

KOMB
1 1.000 18 1.000
END
KOMB ZS 49: 1+19
DISK
KOMB
1 1.000 19 1.000
END
KOMB ZS 50: 1+20
DISK
KOMB
1 1.000 20 1.000
END
KOMB ZS 51: 1+21
DISK
KOMB
1 1.000 21 1.000
END
KOMB ZS 52: 1+22
DISK
KOMB
1 1.000 22 1.000
END
KOMB ZS 53: 1+23
DISK
KOMB
1 1.000 23 1.000
END
KOMB ZS 54: 1+24
DISK
KOMB
1 1.000 24 1.000
END
KOMB ZS 55: 1+25
DISK
KOMB
1 1.000 25 1.000
END
KOMB ZS 56: 1+26
DISK
KOMB
1 1.000 26 1.000
END
KOMB ZS 57: 1+27
DISK
KOMB
1 1.000 27 1.000
END
KOMB ZS 58: 1+28
DISK
KOMB
1 1.000 28 1.000
END
KOMB ZS 59: 1+29
DISK
KOMB
1 1.000 29 1.000
END
KOMB ZS 60: 1+30
DISK
KOMB
1 1.000 30 1.000

END
KOMB ZS 61: 1+31
DISK
KOMB
1 1.000 31 1.000
END
KOMB ZS 62: 1+32
DISK
KOMB
1 1.000 32 1.000
END
KOMB ZS 63: 1+33
DISK
KOMB
1 1.000 33 1.000
END

4. Dimenzační tabulka prutů U11+9

Stožiar : U11+9

Norma : ČSN Pocet prutov : 719 Datum : Thu Apr 27 10:43:06 2017

Medzný stav použiteľnosti - vychýlenie vrcholu stožiara

Material uholnikov : ocel 52J2- medza klzu v tahu = 355.0 MPa

Vrubová húževnatosť 27 KV (J) pri -20°

Material skrutiek : kval 8.8 - medza klzu v tahu = 500.0 MPa

Vyznam hodnot v nasledovnej tabulke :

Prut : cislo pruta
 Diel : nazov dielca
 Typ : skratka pre staticky vyznam pruta podla nasledujuceho :

ru ... rohovy uholnik
 th ... tiahlo
 dp ... dolny pas
 hp ... horny pas
 hd ... hlavna diagonala
 rv ... ramova vyztuha
 vr ... vodorovny ram
 pp ... podruzny prut

Rozmer : oznacenie a rozmery uholnika v [mm]
 Kval : kvalita materialu uholnikov alebo skrutiek
 Lskut : skutocna dlzka pruta v [cm]
 Lcrit : vzperna dlzka pruta v [cm]
 DovSt : dovolena stihlost
 SkutSt : skutocna stihlost
 VyTlak : vyuzitie pruta vo vzpernom tlaku
 VyTah : vyuzitie pruta v tahu
 ZStlak : cislo ZS pre dimenzacnu tlakovu silu
 ZStah : cislo ZS pre dimenzacnu tahovu silu
 VyStrih : vyuzitie pripojenia na strih
 VyOtl : vyuzitie pripojenia v otlaceni
 Zahl : zahlavie ako nasobok priemeru otvoru
 Pprir : pocet pripojenych prirub

Prut	Diel	Rozmer	Prip.	Lskut	DovSt	VyTlak	ZStlak	VyStrih	Zahl
cis.	Typ	Kval	Kval	Lcrit	SkutSt	VyTah	ZStah	VyOtl	Pprir
1	zd9	L	45x 4	1M16/1	226.2	250	0.0001	63	2.00
	hd	52	8.8	56.5	63.6	0.0000	34	0.0001	1
2	zd9	L	45x 4	1M16/1	221.8	250	0.0001	63	2.00
	hd	52	8.8	55.5	62.5	0.0000	34	0.0002	1
3	zd9	L	45x 4	1M16/1	226.2	250	0.0001	63	2.00
	hd	52	8.8	56.5	63.6	0.0000	34	0.0001	1
4	zd9	L	45x 4	1M16/1	221.8	250	0.0001	63	2.00
	hd	52	8.8	55.5	62.5	0.0000	34	0.0002	1
5	zd9	L	45x 4	1M16/1	226.2	250	0.0001	63	2.00
	hd	52	8.8	56.5	63.6	0.0000	34	0.0001	1
6	zd9	L	45x 4	1M16/1	221.8	250	0.0001	63	2.00

	hd			52	4	8.8		55.5	62.5	0.0000	34	0.0002	1
7	zd9	L	45x	52	4	1M16/1	226.2	250	0.0001	63	0.0001	2.00	
	hd			52		8.8	56.5	63.6	0.0000	34	0.0001	1	
8	zd9	L	45x	52	4	1M16/1	221.8	250	0.0001	63	0.0001	2.00	
	hd			52		8.8	55.5	62.5	0.0000	34	0.0002	1	
9	zd9	L	60x	52	6	1M16/1	199.4	250	0.5600	57	0.2827	2.00	
	hd			52		8.8	199.4	169.0	0.2210	51	0.3343	1	
10	zd9	L	60x	52	6	1M16/1	199.4	250	0.4896	57	0.2520	2.00	
	hd			52		8.8	199.4	169.0	0.1979	51	0.2980	1	
11	zd9	L	60x	52	6	1M16/1	199.4	250	0.5601	52	0.2827	2.00	
	hd			52		8.8	199.4	169.0	0.2209	58	0.3344	1	
12	zd9	L	60x	52	6	1M16/1	199.4	250	0.4912	52	0.2512	2.00	
	hd			52		8.8	199.4	169.0	0.1973	58	0.2971	1	
13	d+9	L	60x	52	6	1M16/1	199.2	250	0.5439	51	0.2750	2.00	
	hd			52		8.8	199.2	168.9	0.2151	57	0.3252	1	
14	d+9	L	60x	52	6	1M16/1	196.4	250	0.5280	57	0.2737	2.00	
	hd			52		8.8	196.4	166.5	0.2147	51	0.3237	1	
15	d+9	L	60x	52	6	1M16/1	193.6	250	0.5094	51	0.2708	2.00	
	hd			52		8.8	193.6	164.1	0.2126	57	0.3202	1	
16	d+9	L	60x	52	6	1M16/1	190.8	250	0.5083	57	0.2771	2.00	
	hd			52		8.8	190.8	161.8	0.2175	51	0.3277	1	
17	d+9	L	60x	52	6	1M16/1	188.0	250	0.5076	51	0.2839	2.00	
	hd			52		8.8	188.0	159.4	0.2228	57	0.3358	1	
18	d+9	L	60x	52	6	1M16/1	185.2	250	0.5030	57	0.2888	2.00	
	hd			52		8.8	185.2	157.0	0.2266	51	0.3415	1	
19	d+9	L	60x	52	6	1M16/1	182.4	250	0.4985	51	0.2938	2.00	
	hd			52		8.8	182.4	154.6	0.2307	57	0.3475	1	
20	d+9	L	60x	52	6	1M16/1	179.6	250	0.4949	57	0.2996	2.00	
	hd			52		8.8	179.6	152.3	0.2353	51	0.3543	1	
21	d+9	L	60x	52	6	1M16/1	176.8	250	0.4912	51	0.3054	2.00	
	hd			52		8.8	176.8	149.9	0.2396	57	0.3612	1	
22	d+9	L	60x	52	6	1M16/1	174.0	250	0.4868	57	0.3111	2.00	
	hd			52		8.8	174.0	147.5	0.2434	51	0.3679	1	
23	d+9	L	60x	52	6	1M16/1	199.2	250	0.4737	58	0.2429	2.00	
	hd			52		8.8	199.2	168.9	0.1908	52	0.2873	1	
24	d+9	L	60x	52	6	1M16/1	196.4	250	0.4620	52	0.2406	2.00	
	hd			52		8.8	196.4	166.5	0.1890	51	0.2845	1	
25	d+9	L	60x	52	6	1M16/1	193.6	250	0.4483	51	0.2383	2.00	
	hd			52		8.8	193.6	164.1	0.1858	52	0.2818	1	
26	d+9	L	60x	52	6	1M16/1	190.8	250	0.4452	52	0.2431	2.00	
	hd			52		8.8	190.8	161.8	0.1910	51	0.2876	1	

	27	d+9	L	60x 6	1M16/1	188.0	250	0.4456	51	0.2493	2.00	
		hd		52	8.8	188.0	159.4	0.1952	52	0.2948	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	28	d+9	L	60x 6	1M16/1	185.2	250	0.4402	52	0.2536	2.00	
		hd		52	8.8	185.2	157.0	0.1992	51	0.2999	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	29	d+9	L	60x 6	1M16/1	182.4	250	0.4382	51	0.2583	2.00	
		hd		52	8.8	182.4	154.6	0.2018	52	0.3054	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	30	d+9	L	60x 6	1M16/1	179.6	250	0.4342	52	0.2628	2.00	
		hd		52	8.8	179.6	152.3	0.2063	51	0.3109	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	31	d+9	L	60x 6	1M16/1	176.8	250	0.4305	51	0.2677	2.00	
		hd		52	8.8	176.8	149.9	0.2103	52	0.3166	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	32	d+9	L	60x 6	1M16/1	174.0	250	0.4221	57	0.2752	2.00	
		hd		52	8.8	174.0	147.5	0.2162	51	0.3255	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	33	d+9	L	60x 6	1M16/1	199.2	250	0.5439	58	0.2750	2.00	
		hd		52	8.8	199.2	168.9	0.2151	52	0.3252	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	34	d+9	L	60x 6	1M16/1	196.4	250	0.5281	52	0.2737	2.00	
		hd		52	8.8	196.4	166.5	0.2147	58	0.3237	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	35	d+9	L	60x 6	1M16/1	193.6	250	0.5094	58	0.2707	2.00	
		hd		52	8.8	193.6	164.1	0.2126	52	0.3202	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	36	d+9	L	60x 6	1M16/1	190.8	250	0.5083	52	0.2771	2.00	
		hd		52	8.8	190.8	161.8	0.2175	58	0.3277	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	37	d+9	L	60x 6	1M16/1	188.0	250	0.5076	58	0.2839	2.00	
		hd		52	8.8	188.0	159.4	0.2228	52	0.3358	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	38	d+9	L	60x 6	1M16/1	185.2	250	0.5030	52	0.2888	2.00	
		hd		52	8.8	185.2	157.0	0.2266	58	0.3415	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	39	d+9	L	60x 6	1M16/1	182.4	250	0.4985	58	0.2938	2.00	
		hd		52	8.8	182.4	154.6	0.2307	52	0.3475	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	40	d+9	L	60x 6	1M16/1	179.6	250	0.4949	52	0.2996	2.00	
		hd		52	8.8	179.6	152.3	0.2353	58	0.3543	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	41	d+9	L	60x 6	1M16/1	176.8	250	0.4912	58	0.3054	2.00	
		hd		52	8.8	176.8	149.9	0.2396	52	0.3612	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	42	d+9	L	60x 6	1M16/1	174.0	250	0.4869	52	0.3111	2.00	
		hd		52	8.8	174.0	147.5	0.2434	58	0.3680	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	43	d+9	L	60x 6	1M16/1	199.2	250	0.4722	51	0.2437	2.00	
		hd		52	8.8	199.2	168.9	0.1914	57	0.2882	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	44	d+9	L	60x 6	1M16/1	196.4	250	0.4635	57	0.2402	2.00	
		hd		52	8.8	196.4	166.5	0.1884	58	0.2841	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	45	d+9	L	60x 6	1M16/1	193.6	250	0.4468	58	0.2375	2.00	
		hd		52	8.8	193.6	164.1	0.1864	57	0.2809	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	46	d+9	L	60x 6	1M16/1	190.8	250	0.4466	57	0.2435	2.00	
		hd		52	8.8	190.8	161.8	0.1904	58	0.2880	1	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----												
	47	d+9	L	60x 6	1M16/1	188.0	250	0.4442	58	0.2494	2.00	
		hd		52	8.8	188.0	159.4	0.1959	57	0.2949	1	

48	d+9	L	60x 6	1M16/1	185.2	250	0.4416	57	0.2535	2.00
	hd		52	8.8	185.2	157.0	0.1986	58	0.2998	1
49	d+9	L	60x 6	1M16/1	182.4	250	0.4368	58	0.2578	2.00
	hd		52	8.8	182.4	154.6	0.2025	57	0.3049	1
50	d+9	L	60x 6	1M16/1	179.6	250	0.4356	57	0.2637	2.00
	hd		52	8.8	179.6	152.3	0.2056	58	0.3119	1
51	d+9	L	60x 6	1M16/1	176.8	250	0.4291	58	0.2686	2.00
	hd		52	8.8	176.8	149.9	0.2110	57	0.3177	1
52	d+9	L	60x 6	1M16/1	174.0	250	0.4235	52	0.2744	2.00
	hd		52	8.8	174.0	147.5	0.2155	58	0.3245	1
53	d+9	L	100x12	6M20/1	59.0	200	0.7992	40	0.7405	2.00
	ru		52	8.8	88.5	45.3	0.7508	36	0.5474	2
54	d+9	L	100x12	6M20/1	59.0	200	0.7915	40	0.7314	2.00
	ru		52	8.8	88.5	45.3	0.7416	36	0.5406	2
55	d+9	L	100x12	6M20/1	59.0	200	0.7902	40	0.7213	2.00
	ru		52	8.8	88.5	45.3	0.7313	36	0.5332	2
56	d+9	L	100x12	6M20/1	59.0	200	0.7822	40	0.7122	2.00
	ru		52	8.8	88.5	45.3	0.7222	36	0.5265	2
57	d+9	L	100x12	6M20/1	59.0	200	0.7806	40	0.7019	2.00
	ru		52	8.8	88.5	45.3	0.7117	36	0.5189	2
58	d+9	L	100x12	6M20/1	59.0	200	0.7721	40	0.6927	2.00
	ru		52	8.8	88.5	45.3	0.7023	36	0.5120	2
59	d+9	L	100x12	6M20/1	59.0	200	0.7706	40	0.6822	2.00
	ru		52	8.8	88.5	45.3	0.6917	36	0.5043	2
60	d+9	L	100x12	6M20/1	59.0	200	0.7615	40	0.6779	2.00
	ru		52	8.8	88.5	45.3	0.6874	44	0.5011	2
61	d+9	L	100x12	6M20/1	59.0	200	0.7596	40	0.6631	2.00
	ru		52	8.8	88.5	45.3	0.6723	44	0.4901	2
62	d+9	L	100x12	6M20/1	59.0	200	0.7499	40	0.6631	2.00
	ru		52	8.8	88.5	45.3	0.6723	44	0.4901	2
63	d+9	L	100x12	6M20/1	59.0	200	0.9409	44	0.7999	2.00
	ru		52	8.8	88.5	45.3	0.6043	39	0.5913	2
64	d+9	L	100x12	6M20/1	59.0	200	0.9238	44	0.7854	2.00
	ru		52	8.8	88.5	45.3	0.6057	39	0.5806	2
65	d+9	L	100x12	6M20/1	59.0	200	0.9235	44	0.7851	2.00
	ru		52	8.8	88.5	45.3	0.5981	39	0.5804	2
66	d+9	L	100x12	6M20/1	59.0	200	0.9065	44	0.7707	2.00
	ru		52	8.8	88.5	45.3	0.5993	39	0.5697	2
67	d+9	L	100x12	6M20/1	59.0	200	0.9060	44	0.7703	2.00
	ru		52	8.8	88.5	45.3	0.5912	39	0.5694	2
68	d+9	L	100x12	6M20/1	59.0	200	0.8884	44	0.7553	2.00

	ru		52	8.8	88.5	45.3	0.5925	39	0.5583	2
69	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.8880 0.5839	44 39	0.7550 0.5581	2.00 2
70	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.8699 0.5853	44 39	0.7396 0.5467	2.00 2
71	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.8693 0.5759	44 39	0.7390 0.5463	2.00 2
72	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.8505 0.5770	44 39	0.7231 0.5345	2.00 2
73	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.9449 0.6087	36 40	0.8033 0.5938	2.00 2
74	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.9332 0.6012	36 40	0.7934 0.5865	2.00 2
75	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.9204 0.6026	36 40	0.7825 0.5784	2.00 2
76	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.9147 0.5948	44 40	0.7777 0.5749	2.00 2
77	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.8975 0.5960	44 40	0.7630 0.5640	2.00 2
78	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.8970 0.5877	44 40	0.7626 0.5637	2.00 2
79	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.8792 0.5890	44 40	0.7475 0.5525	2.00 2
80	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.8788 0.5800	44 40	0.7471 0.5523	2.00 2
81	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.8604 0.5812	44 40	0.7315 0.5407	2.00 2
82	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.8595 0.5716	44 40	0.7307 0.5401	2.00 2
83	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.7960 0.7351	39 44	0.7250 0.5359	2.00 2
84	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.7948 0.7213	39 44	0.7114 0.5259	2.00 2
85	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.7870 0.7218	39 44	0.7119 0.5262	2.00 2
86	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.7854 0.7081	39 44	0.6983 0.5162	2.00 2
87	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.7772 0.7084	39 44	0.6987 0.5165	2.00 2
88	d+9 ru	L	100x12 52	6M20/1 8.8	59.0 88.5	200 45.3	0.7756 0.6941	39 44	0.6846 0.5060	2.00 2

	89	d+9	L	100x12	6M20/1	59.0	200	0.7668	39	0.6850	2.00	
		ru		52	8.8	88.5	45.3	0.6945	44	0.5063	2	
+												+
	90	d+9	L	100x12	6M20/1	59.0	200	0.7653	39	0.6704	2.00	
		ru		52	8.8	88.5	45.3	0.6798	44	0.4956	2	
+												+
	91	d+9	L	100x12	6M20/1	59.0	200	0.7559	39	0.6706	2.00	
		ru		52	8.8	88.5	45.3	0.6800	44	0.4957	2	
+												+
	92	d+9	L	100x12	6M20/1	59.0	200	0.7537	39	0.6555	2.00	
		ru		52	8.8	88.5	45.3	0.6647	44	0.4846	2	
+												+
	93	zd9	L	45x 4	1M16/1	206.5	250	0.0002	63	0.0002	2.00	
		vr		52	8.8	51.6	58.1	0.0000	34	0.0003	1	
+												+
	94	zd9	L	45x 4	1M16/1	206.5	250	0.0002	63	0.0002	2.00	
		vr		52	8.8	51.6	58.1	0.0000	34	0.0003	1	
+												+
	95	zd9	L	45x 4	1M16/1	206.5	250	0.0002	63	0.0002	2.00	
		vr		52	8.8	51.6	58.1	0.0000	34	0.0003	1	
+												+
	96	zd9	L	45x 4	1M16/1	206.5	250	0.0002	63	0.0002	2.00	
		vr		52	8.8	51.6	58.1	0.0000	34	0.0003	1	
+												+
	97	ru9	L	140x13	10M20/1	50.0	200	0.6308	40	0.6794	2.00	
		ru		52	8.8	50.0	47.3	0.6834	36	0.4636	2	
+												+
	98	ru9	L	140x13	10M20/1	50.0	200	0.6279	40	0.6751	2.00	
		ru		52	8.8	50.0	47.3	0.6792	36	0.4607	2	
+												+
	99	ru9	L	140x13	10M20/1	50.0	200	0.7449	44	0.7268	2.00	
		ru		52	8.8	50.0	47.3	0.5452	39	0.4959	2	
+												+
	100	ru9	L	140x13	10M20/1	50.0	200	0.7382	44	0.7203	2.00	
		ru		52	8.8	50.0	47.3	0.5455	39	0.4915	2	
+												+
	101	ru9	L	140x13	10M20/1	50.0	200	0.7560	36	0.7377	2.00	
		ru		52	8.8	50.0	47.3	0.5452	40	0.5033	2	
+												+
	102	ru9	L	140x13	10M20/1	50.0	200	0.7509	36	0.7327	2.00	
		ru		52	8.8	50.0	47.3	0.5423	40	0.4999	2	
+												+
	103	ru9	L	140x13	10M20/1	50.0	200	0.6309	39	0.6577	2.00	
		ru		52	8.8	50.0	47.3	0.6617	44	0.4488	2	
+												+
	104	ru9	L	140x13	10M20/1	50.0	200	0.6298	39	0.6519	2.00	
		ru		52	8.8	50.0	47.3	0.6558	44	0.4448	2	
+												+
	105	d+9	L	35x 4	1M12/1	229.5	250	0.0024	36	0.0020	2.00	
		rv		52	8.8	114.7	167.3	0.0026	51	0.0026	1	
+												+
	106	d+9	L	35x 4	1M12/1	229.5	250	0.0024	36	0.0020	2.00	
		rv		52	8.8	114.7	167.3	0.0026	58	0.0026	1	
+												+
	107	zd9	L	45x 4	1M16/1	191.7	250	0.3159	51	0.0536	2.00	
		vr		52	8.8	191.7	216.0	0.0967	57	0.0951	1	
+												+
	108	zd9	L	45x 4	1M16/1	191.8	250	0.3116	51	0.0519	2.00	
		vr		52	8.8	191.8	216.1	0.0937	57	0.0921	1	
+												+
	109	zd9	L	45x 4	1M16/1	191.7	250	0.3156	58	0.0536	2.00	
		vr		52	8.8	191.7	216.0	0.0967	52	0.0951	1	

110	zd9	L	45x 4	1M16/1	191.8	250	0.3107	58	0.0521	2.00
	vr		52	8.8	191.8	216.1	0.0940	52	0.0924	1
111	ru9	L	140x13	10M20/1	97.6	200	0.0000	34	0.0006	2.00
	ru		52	8.8	24.4	47.3	0.0006	63	0.0004	2
112	ru9	L	140x13	10M20/1	97.6	200	0.0000	34	0.0014	2.00
	ru		52	8.8	24.4	47.3	0.0014	63	0.0010	2
113	ru9	L	140x13	10M20/1	97.6	200	0.0000	34	0.0006	2.00
	ru		52	8.8	24.4	47.3	0.0006	63	0.0004	2
114	ru9	L	140x13	10M20/1	97.6	200	0.0000	34	0.0014	2.00
	ru		52	8.8	24.4	47.3	0.0014	63	0.0010	2
115	ru9	L	140x13	10M20/1	97.6	200	0.0000	34	0.0006	2.00
	ru		52	8.8	24.4	47.3	0.0006	63	0.0004	2
116	ru9	L	140x13	10M20/1	97.6	200	0.0000	34	0.0014	2.00
	ru		52	8.8	24.4	47.3	0.0014	63	0.0010	2
117	ru9	L	140x13	10M20/1	97.6	200	0.0000	34	0.0006	2.00
	ru		52	8.8	24.4	47.3	0.0006	63	0.0004	2
118	ru9	L	140x13	10M20/1	97.6	200	0.0000	34	0.0014	2.00
	ru		52	8.8	24.4	47.3	0.0014	63	0.0010	2
119	d2	L	35x 4	1M12/1	125.2	250	0.0047	36	0.0062	2.00
	rv		52	8.8	62.6	91.3	0.0082	50	0.0083	1
120	d2	L	35x 4	1M12/1	125.2	250	0.0949	58	0.0869	2.00
	rv		52	8.8	62.6	91.3	0.1084	52	0.1157	1
121	d2	L	60x 6	1M16/1	88.5	250	0.0185	57	0.0338	2.00
	hd		52	8.8	88.5	75.0	0.0265	51	0.0399	1
122	d2	L	60x 6	1M16/1	88.5	250	0.0186	52	0.0342	2.00
	hd		52	8.8	88.5	75.0	0.0268	58	0.0404	1
123	d3	L	60x 6	1M20/1	103.3	250	0.4845	51	0.4377	2.00
	hd		52	8.8	103.3	87.6	0.5995	57	0.6470	1
124	d3	L	60x 6	1M20/1	103.3	250	0.4830	57	0.4396	2.00
	hd		52	8.8	103.3	87.6	0.6079	51	0.6499	1
125	d3	L	60x 6	1M20/1	103.3	250	0.4875	51	0.4403	2.00
	hd		52	8.8	103.3	87.6	0.6041	57	0.6510	1
126	d3	L	60x 6	1M20/1	103.3	250	0.4836	57	0.4402	2.00
	hd		52	8.8	103.3	87.6	0.6088	51	0.6508	1
127	d3	L	60x 6	1M20/1	103.3	250	0.4866	51	0.4395	2.00
	hd		52	8.8	103.3	87.6	0.6034	57	0.6498	1
128	d3	L	60x 6	1M20/1	103.3	250	0.4806	57	0.4381	2.00
	hd		52	8.8	103.3	87.6	0.6059	51	0.6478	1
129	d3	L	60x 6	1M20/1	116.0	250	0.6050	51	0.4682	2.00
	hd		52	8.8	116.0	98.3	0.6454	57	0.6921	1
130	d3	L	60x 6	1M20/1	119.3	250	0.6749	57	0.5019	2.00

	hd		52		8.8	119.3	101.1	0.6885	51	0.7420	1	
+												+
	131	d3	L	60x 6	1M20/1	119.3	250	0.6695	51	0.5000	2.00	
		hd		52	8.8	119.3	101.1	0.6915	57	0.7392	1	
+												+
	132	d2	L	50x 6	1M16/1	114.4	250	0.9515	57	0.7318	2.00	
		hd		52	8.8	114.4	117.1	0.7575	51	0.8655	1	
+												+
	133	d2	L	50x 6	1M16/1	114.4	250	0.9306	51	0.7261	2.00	
		hd		52	8.8	114.4	117.1	0.7626	57	0.8588	1	
+												+
	134	d2	L	50x 6	1M16/1	116.0	250	0.7867	55	0.6032	2.00	
		hd		52	8.8	116.0	118.7	0.6335	49	0.7135	1	
+												+
	135	d2	L	50x 6	1M16/1	119.3	250	0.8849	49	0.6370	2.00	
		hd		52	8.8	119.3	122.1	0.6559	55	0.7534	1	
+												+
	136	d1	L	50x 6	1M16/1	116.0	250	0.8263	55	0.6239	2.00	
		hd		52	8.8	116.0	118.7	0.6552	49	0.7379	1	
+												+
	137	d1	L	50x 6	1M16/1	116.0	250	0.8290	49	0.6239	2.00	
		hd		52	8.8	116.0	118.7	0.6535	55	0.7379	1	
+												+
	138	d1	L	50x 6	1M16/1	116.0	250	0.8216	55	0.6206	2.00	
		hd		52	8.8	116.0	118.7	0.6517	49	0.7340	1	
+												+
	139	d1	L	50x 6	1M16/1	119.3	250	0.1325	47	0.0953	2.00	
		hd		52	8.8	119.3	122.1	0.0974	48	0.1128	1	
+												+
	140	d3	L	60x 6	1M20/1	103.3	250	0.3912	58	0.3550	2.00	
		hd		52	8.8	103.3	87.6	0.4909	52	0.5248	1	
+												+
	141	d3	L	60x 6	1M20/1	103.3	250	0.3925	57	0.3545	2.00	
		hd		52	8.8	103.3	87.6	0.4847	51	0.5241	1	
+												+
	142	d3	L	60x 6	1M20/1	103.3	250	0.3879	51	0.3545	2.00	
		hd		52	8.8	103.3	87.6	0.4902	57	0.5240	1	
+												+
	143	d3	L	60x 6	1M20/1	103.3	250	0.3918	52	0.3539	2.00	
		hd		52	8.8	103.3	87.6	0.4858	58	0.5231	1	
+												+
	144	d3	L	60x 6	1M20/1	103.3	250	0.3887	58	0.3529	2.00	
		hd		52	8.8	103.3	87.6	0.4880	52	0.5217	1	
+												+
	145	d3	L	60x 6	1M20/1	103.3	250	0.3951	57	0.3569	2.00	
		hd		52	8.8	103.3	87.6	0.4792	51	0.5276	1	
+												+
	146	d3	L	60x 6	1M20/1	116.0	250	0.4246	58	0.3286	2.00	
		hd		52	8.8	116.0	98.3	0.4333	52	0.4857	1	
+												+
	147	d3	L	60x 6	1M20/1	119.3	250	0.5529	57	0.4130	2.00	
		hd		52	8.8	119.3	101.1	0.5711	51	0.6106	1	
+												+
	148	d3	L	60x 6	1M20/1	119.3	250	0.5590	58	0.4157	2.00	
		hd		52	8.8	119.3	101.1	0.5687	52	0.6146	1	
+												+
	149	d2	L	50x 6	1M16/1	114.4	250	0.8319	57	0.6472	2.00	
		hd		52	8.8	114.4	117.1	0.6797	51	0.7654	1	
+												+
	150	d2	L	50x 6	1M16/1	114.4	250	0.8433	58	0.6486	2.00	
		hd		52	8.8	114.4	117.1	0.6626	52	0.7671	1	
+												+

	151	d2	L	50x 6	1M16/1	116.0	250	0.5191	55	0.3907	2.00	
		hd		52	8.8	116.0	118.7	0.3923	49	0.4621	1	
+												+
	152	d2	L	50x 6	1M16/1	119.3	250	0.6918	56	0.5108	2.00	
		hd		52	8.8	119.3	122.1	0.5365	50	0.6042	1	
+												+
	153	d1	L	50x 6	1M16/1	116.0	250	0.6479	50	0.4876	2.00	
		hd		52	8.8	116.0	118.7	0.5097	49	0.5767	1	
+												+
	154	d1	L	50x 6	1M16/1	116.0	250	0.6440	56	0.4859	2.00	
		hd		52	8.8	116.0	118.7	0.5103	50	0.5746	1	
+												+
	155	d1	L	50x 6	1M16/1	116.0	250	0.6458	55	0.4860	2.00	
		hd		52	8.8	116.0	118.7	0.5049	49	0.5748	1	
+												+
	156	d1	L	50x 6	1M16/1	119.3	250	0.1934	56	0.1392	2.00	
		hd		52	8.8	119.3	122.1	0.1323	55	0.1647	1	
+												+
	157	d3	L	60x 6	1M20/1	103.3	250	0.4847	58	0.4378	2.00	
		hd		52	8.8	103.3	87.6	0.5993	52	0.6472	1	
+												+
	158	d3	L	60x 6	1M20/1	103.3	250	0.4830	52	0.4396	2.00	
		hd		52	8.8	103.3	87.6	0.6078	58	0.6498	1	
+												+
	159	d3	L	60x 6	1M20/1	103.3	250	0.4875	58	0.4404	2.00	
		hd		52	8.8	103.3	87.6	0.6041	52	0.6510	1	
+												+
	160	d3	L	60x 6	1M20/1	103.3	250	0.4836	52	0.4403	2.00	
		hd		52	8.8	103.3	87.6	0.6088	58	0.6509	1	
+												+
	161	d3	L	60x 6	1M20/1	103.3	250	0.4865	58	0.4395	2.00	
		hd		52	8.8	103.3	87.6	0.6033	52	0.6497	1	
+												+
	162	d3	L	60x 6	1M20/1	103.3	250	0.4809	52	0.4380	2.00	
		hd		52	8.8	103.3	87.6	0.6057	58	0.6476	1	
+												+
	163	d3	L	60x 6	1M20/1	116.0	250	0.6040	58	0.4676	2.00	
		hd		52	8.8	116.0	98.3	0.6466	52	0.6912	1	
+												+
	164	d3	L	60x 6	1M20/1	119.3	250	0.6753	52	0.5022	2.00	
		hd		52	8.8	119.3	101.1	0.6882	58	0.7425	1	
+												+
	165	d3	L	60x 6	1M20/1	119.3	250	0.6698	58	0.4998	2.00	
		hd		52	8.8	119.3	101.1	0.6912	52	0.7389	1	
+												+
	166	d2	L	50x 6	1M16/1	114.4	250	0.9512	52	0.7316	2.00	
		hd		52	8.8	114.4	117.1	0.7571	58	0.8653	1	
+												+
	167	d2	L	50x 6	1M16/1	114.4	250	0.9302	58	0.7252	2.00	
		hd		52	8.8	114.4	117.1	0.7616	52	0.8577	1	
+												+
	168	d2	L	50x 6	1M16/1	116.0	250	0.7890	50	0.6014	2.00	
		hd		52	8.8	116.0	118.7	0.6316	56	0.7113	1	
+												+
	169	d2	L	50x 6	1M16/1	119.3	250	0.8852	56	0.6372	2.00	
		hd		52	8.8	119.3	122.1	0.6555	50	0.7537	1	
+												+
	170	d1	L	50x 6	1M16/1	116.0	250	0.8264	50	0.6241	2.00	
		hd		52	8.8	116.0	118.7	0.6554	56	0.7382	1	
+												+
	171	d1	L	50x 6	1M16/1	116.0	250	0.8295	56	0.6242	2.00	
		hd		52	8.8	116.0	118.7	0.6534	50	0.7383	1	

172	d1	L	50x	6	1M16/1	116.0	250	0.8219	50	0.6209	2.00
	hd		52		8.8	116.0	118.7	0.6521	56	0.7344	1
173	d1	L	50x	6	1M16/1	119.3	250	0.3134	48	0.2260	2.00
	hd		52		8.8	119.3	122.1	0.2374	47	0.2673	1
174	d3	L	60x	6	1M20/1	103.3	250	0.3912	51	0.3551	2.00
	hd		52		8.8	103.3	87.6	0.4910	57	0.5249	1
175	d3	L	60x	6	1M20/1	103.3	250	0.3925	52	0.3545	2.00
	hd		52		8.8	103.3	87.6	0.4847	58	0.5241	1
176	d3	L	60x	6	1M20/1	103.3	250	0.3879	58	0.3544	2.00
	hd		52		8.8	103.3	87.6	0.4901	52	0.5240	1
177	d3	L	60x	6	1M20/1	103.3	250	0.3918	57	0.3539	2.00
	hd		52		8.8	103.3	87.6	0.4858	51	0.5232	1
178	d3	L	60x	6	1M20/1	103.3	250	0.3887	51	0.3529	2.00
	hd		52		8.8	103.3	87.6	0.4880	57	0.5218	1
179	d3	L	60x	6	1M20/1	103.3	250	0.3951	52	0.3568	2.00
	hd		52		8.8	103.3	87.6	0.4794	58	0.5275	1
180	d3	L	60x	6	1M20/1	116.0	250	0.4245	51	0.3285	2.00
	hd		52		8.8	116.0	98.3	0.4333	57	0.4856	1
181	d3	L	60x	6	1M20/1	119.3	250	0.5529	52	0.4129	2.00
	hd		52		8.8	119.3	101.1	0.5710	58	0.6105	1
182	d3	L	60x	6	1M20/1	119.3	250	0.5591	51	0.4158	2.00
	hd		52		8.8	119.3	101.1	0.5688	57	0.6147	1
183	d2	L	50x	6	1M16/1	114.4	250	0.8327	52	0.6475	2.00
	hd		52		8.8	114.4	117.1	0.6800	58	0.7658	1
184	d2	L	50x	6	1M16/1	114.4	250	0.8428	51	0.6482	2.00
	hd		52		8.8	114.4	117.1	0.6621	57	0.7667	1
185	d2	L	50x	6	1M16/1	116.0	250	0.5191	50	0.3907	2.00
	hd		52		8.8	116.0	118.7	0.3923	56	0.4620	1
186	d2	L	50x	6	1M16/1	119.3	250	0.6917	49	0.5107	2.00
	hd		52		8.8	119.3	122.1	0.5364	55	0.6041	1
187	d1	L	50x	6	1M16/1	116.0	250	0.6480	55	0.4877	2.00
	hd		52		8.8	116.0	118.7	0.5093	49	0.5768	1
188	d1	L	50x	6	1M16/1	116.0	250	0.6444	49	0.4859	2.00
	hd		52		8.8	116.0	118.7	0.5103	55	0.5747	1
189	d1	L	50x	6	1M16/1	116.0	250	0.6457	50	0.4859	2.00
	hd		52		8.8	116.0	118.7	0.5046	56	0.5747	1
190	d1	L	50x	6	1M16/1	119.3	250	0.1908	49	0.1374	2.00
	hd		52		8.8	119.3	122.1	0.1307	50	0.1625	1
191	pdk	L	35x	4	1M12/1	50.0	250	0.0093	60	0.0183	1.50
	pp		52		8.8	50.0	72.9	0.0239	54	0.0324	1
192	pdk	L	35x	4	1M12/1	91.3	250	0.0443	54	0.0230	1.50

		pp		52		8.8		91.3	133.2	0.0142	60	0.0408	1	
+														+
	193	pdk	L	50x 4	2M12/1	80.3	400	0.0000	54	0.3032	2.00			
		th		52	8.8	156.6	158.2	0.2682	63	0.4035	1			
+														+
	194	pdk	L	50x 6	2M16/1	76.3	200	0.4927	54	0.3284	2.00			
		dp		52	8.8	76.3	78.1	0.2803	60	0.3884	1			
+														+
	195	pdk	L	35x 4	1M12/1	25.0	250	0.0135	60	0.0289	1.50			
		pp		52	8.8	25.0	37.8	0.0378	54	0.0513	1			
+														+
	196	pdk	L	50x 4	2M12/1	80.3	400	0.0000	54	0.2921	2.00			
		th		52	8.8	156.6	158.2	0.2584	63	0.3886	1			
+														+
	197	pdk	L	50x 6	2M16/1	76.3	200	0.3651	54	0.2434	2.00			
		dp		52	8.8	76.3	78.1	0.1853	60	0.2878	1			
+														+
	198	pdk	L	35x 4	1M12/1	80.3	250	0.0959	54	0.0613	1.50			
		pp		52	8.8	80.3	117.1	0.0654	60	0.1087	1			
+														+
	199	pdk	L	50x 4	2M12/1	80.3	400	0.0000	54	0.2994	2.00			
		th		52	8.8	156.6	158.2	0.2649	63	0.3984	1			
+														+
	200	pdk	L	50x 6	2M16/1	76.3	200	0.4404	54	0.2935	2.00			
		dp		52	8.8	76.3	78.1	0.2430	60	0.3472	1			
+														+
	201	pdk	L	35x 4	1M12/1	50.0	250	0.0083	54	0.0168	1.50			
		pp		52	8.8	50.0	72.9	0.0220	60	0.0298	1			
+														+
	202	pdk	L	35x 4	1M12/1	91.3	250	0.0419	60	0.0218	1.50			
		pp		52	8.8	91.3	133.2	0.0137	54	0.0386	1			
+														+
	203	pdk	L	50x 4	2M12/1	80.3	400	0.0000	60	0.3000	2.00			
		th		52	8.8	156.6	158.2	0.2654	63	0.3992	1			
+														+
	204	pdk	L	50x 6	2M16/1	76.3	200	0.4624	60	0.3082	2.00			
		dp		52	8.8	76.3	78.1	0.2600	54	0.3645	1			
+														+
	205	pdk	L	35x 4	1M12/1	25.0	250	0.0125	54	0.0282	1.50			
		pp		52	8.8	25.0	37.8	0.0369	60	0.0500	1			
+														+
	206	pdk	L	50x 4	2M12/1	80.3	400	0.0000	60	0.2878	2.00			
		th		52	8.8	156.6	158.2	0.2545	63	0.3829	1			
+														+
	207	pdk	L	50x 6	2M16/1	76.3	200	0.2137	63	0.1425	2.00			
		dp		52	8.8	76.3	78.1	0.0000	54	0.1685	1			
+														+
	208	pdk	L	35x 4	1M12/1	80.3	250	0.0831	60	0.0531	1.50			
		pp		52	8.8	80.3	117.1	0.0518	54	0.0942	1			
+														+
	209	pdk	L	50x 4	2M12/1	80.3	400	0.0000	60	0.2968	2.00			
		th		52	8.8	156.6	158.2	0.2626	63	0.3949	1			
+														+
	210	pdk	L	50x 6	2M16/1	76.3	200	0.3705	60	0.2470	2.00			
		dp		52	8.8	76.3	78.1	0.1922	54	0.2921	1			
+														+
	211	pdk	L	35x 4	1M12/1	106.7	250	0.2338	60	0.0934	2.00			
		hd		52	8.8	106.7	155.7	0.1218	54	0.1242	1			
+														+
	212	pdk	L	35x 4	1M12/1	62.8	250	0.0863	54	0.0789	2.00			
		hd		52	8.8	62.8	91.6	0.1033	60	0.1049	1			
+														+

	213	pdk	L	35x	4	1M12/1	90.3	250	0.3741	60	0.1989	2.00	
		hd		52		8.8	90.3	131.7	0.2604	54	0.2647	1	
+													
	214	pdk	L	35x	4	1M12/1	37.1	250	0.0799	54	0.1216	2.00	
		hd		52		8.8	37.1	54.1	0.1591	60	0.1618	1	
+													
	215	pdk	L	50x	5	1M16/1	79.1	250	0.3709	60	0.4029	2.00	
		hd		52		8.8	79.1	80.5	0.4824	54	0.5718	1	
+													
	216	pdk	L	80x	8	2M16/1	11.4	250	0.0000	63	0.3036	2.00	
		hd		52		8.8	11.4	43.6	0.1469	41	0.2693	1	
+													
	217	psk	L	35x	4	1M12/1	50.0	250	0.0075	58	0.0191	1.50	
		pp		52		8.8	50.0	72.9	0.0250	52	0.0339	1	
+													
	218	psk	L	35x	4	1M12/1	25.0	250	0.0155	58	0.0355	1.50	
		pp		52		8.8	25.0	37.8	0.0464	52	0.0629	1	
+													
	219	psk	L	60x	6	2M20/1	102.7	200	0.5501	52	0.2503	2.00	
		dp		52		8.8	102.7	87.1	0.2729	58	0.3700	1	
+													
	220	psk	L	50x	4	2M16/1	105.7	400	0.0000	52	0.2192	2.00	
		th		52		8.8	206.1	208.3	0.3726	63	0.3888	1	
+													
	221	psk	L	35x	4	1M12/1	105.7	250	0.2202	52	0.0894	1.50	
		pp		52		8.8	105.7	154.2	0.0874	58	0.1586	1	
+													
	222	psk	L	60x	6	2M20/1	102.7	200	0.4515	52	0.2054	2.00	
		dp		52		8.8	102.7	87.1	0.2060	58	0.3037	1	
+													
	223	psk	L	50x	4	2M16/1	105.7	400	0.0110	52	0.2110	2.00	
		th		52		8.8	206.1	208.3	0.3588	63	0.3744	1	
+													
	224	psk	L	60x	6	2M20/1	102.7	200	0.6189	52	0.2816	2.00	
		dp		52		8.8	102.7	87.1	0.3149	58	0.4163	1	
+													
	225	psk	L	50x	4	2M16/1	105.7	400	0.0000	52	0.2229	2.00	
		th		52		8.8	206.1	208.3	0.3789	63	0.3954	1	
+													
	226	psk	L	35x	4	1M12/1	114.2	250	0.0868	52	0.0308	1.50	
		pp		52		8.8	114.2	166.6	0.0141	58	0.0546	1	
+													
	227	psk	L	35x	4	1M12/1	50.0	250	0.0085	52	0.0199	1.50	
		pp		52		8.8	50.0	72.9	0.0261	58	0.0354	1	
+													
	228	psk	L	35x	4	1M12/1	25.0	250	0.0137	52	0.0320	1.50	
		pp		52		8.8	25.0	37.8	0.0418	58	0.0567	1	
+													
	229	psk	L	60x	6	2M20/1	102.7	200	0.4658	58	0.2119	2.00	
		dp		52		8.8	102.7	87.1	0.2090	52	0.3133	1	
+													
	230	psk	L	50x	4	2M16/1	105.7	400	0.0000	58	0.2260	2.00	
		th		52		8.8	206.1	208.3	0.3843	63	0.4010	1	
+													
	231	psk	L	35x	4	1M12/1	105.7	250	0.1873	58	0.0760	1.50	
		pp		52		8.8	105.7	154.2	0.0715	52	0.1349	1	
+													
	232	psk	L	60x	6	2M20/1	102.7	200	0.2713	63	0.1234	2.00	
		dp		52		8.8	102.7	87.1	0.0000	52	0.1825	1	
+													
	233	psk	L	50x	4	2M16/1	105.7	400	0.0000	58	0.2180	2.00	
		th		52		8.8	206.1	208.3	0.3706	63	0.3867	1	

234	psk	L	60x	6	2M20/1	102.7	200	0.5868	58	0.2670	2.00
	dp		52		8.8	102.7	87.1	0.2878	52	0.3947	1
235	psk	L	50x	4	2M16/1	105.7	400	0.0000	58	0.2296	2.00
	th		52		8.8	206.1	208.3	0.3903	63	0.4073	1
236	psk	L	35x	4	1M12/1	114.2	250	0.0939	58	0.0333	1.50
	pp		52		8.8	114.2	166.6	0.0176	52	0.0591	1
237	psk	L	80x	8	2M16/1	11.4	250	0.0000	63	0.3061	2.00
	hd		52		8.8	11.4	43.6	0.1481	41	0.2715	1
238	psk	L	50x	5	1M16/1	104.8	250	0.6924	58	0.5177	2.00
	hd		52		8.8	104.8	106.7	0.6116	52	0.7347	1
239	psk	L	35x	4	1M12/1	37.1	250	0.0800	52	0.1225	2.00
	hd		52		8.8	37.1	54.1	0.1603	58	0.1630	1
240	psk	L	35x	4	1M12/1	113.5	250	0.7167	58	0.2582	2.00
	hd		52		8.8	113.5	165.6	0.3380	52	0.3436	1
241	psk	L	35x	4	1M12/1	62.8	250	0.0872	52	0.0800	2.00
	hd		52		8.8	62.8	91.6	0.1047	58	0.1064	1
242	psk	L	35x	4	1M12/1	126.9	250	0.3740	58	0.1101	2.00
	hd		52		8.8	126.9	185.1	0.1423	52	0.1465	1
243	phk	L	50x	4	2M12/1	80.9	400	0.0000	50	0.2850	2.00
	th		52		8.8	157.8	159.4	0.2521	63	0.3792	1
244	phk	L	50x	4	2M12/1	80.9	400	0.0000	50	0.2813	2.00
	th		52		8.8	157.8	159.4	0.2488	63	0.3743	1
245	phk	L	50x	6	2M16/1	76.3	200	0.4916	50	0.3277	2.00
	dp		52		8.8	76.3	78.1	0.2874	56	0.3875	1
246	phk	L	50x	6	2M16/1	76.3	200	0.3664	50	0.2442	2.00
	dp		52		8.8	76.3	78.1	0.1939	56	0.2888	1
247	phk	L	50x	6	2M16/1	76.3	200	0.4412	50	0.2941	2.00
	dp		52		8.8	76.3	78.1	0.2513	56	0.3478	1
248	phk	L	35x	4	1M12/1	93.1	250	0.0431	50	0.0217	1.50
	pp		52		8.8	93.1	135.8	0.0129	56	0.0385	1
249	phk	L	35x	4	1M12/1	53.3	250	0.0096	56	0.0182	1.50
	pp		52		8.8	53.3	77.8	0.0238	50	0.0322	1
250	phk	L	35x	4	1M12/1	80.9	250	0.0897	50	0.0567	1.50
	pp		52		8.8	80.9	118.0	0.0599	56	0.1005	1
251	phk	L	35x	4	1M12/1	26.7	250	0.0134	56	0.0284	1.50
	pp		52		8.8	26.7	38.9	0.0371	50	0.0503	1
252	phk	L	50x	4	2M12/1	80.9	400	0.0000	50	0.2747	2.00
	th		52		8.8	157.8	159.4	0.2429	63	0.3654	1
253	phk	L	50x	4	2M12/1	80.9	400	0.0000	56	0.2848	2.00
	th		52		8.8	157.8	159.4	0.2519	63	0.3789	1
254	phk	L	50x	4	2M12/1	80.9	400	0.0000	56	0.2816	2.00

	th		52	8.8	157.8	159.4	0.2491	63	0.3746	1
255	phk dp	L	50x 6 52	2M16/1 8.8	76.3 76.3	200 78.1	0.4632 0.2655	56 50	0.3087 0.3651	2.00 1
256	phk dp	L	50x 6 52	2M16/1 8.8	76.3 76.3	200 78.1	0.2017 0.0000	63 50	0.1344 0.1590	2.00 1
257	phk dp	L	50x 6 52	2M16/1 8.8	76.3 76.3	200 78.1	0.3732 0.1986	56 50	0.2488 0.2942	2.00 1
258	phk pp	L	35x 4 52	1M12/1 8.8	93.1 93.1	250 135.8	0.0418 0.0129	56 50	0.0211 0.0374	1.50 1
259	phk pp	L	35x 4 52	1M12/1 8.8	53.3 53.3	250 77.8	0.0088 0.0222	50 56	0.0170 0.0301	1.50 1
260	phk pp	L	35x 4 52	1M12/1 8.8	80.9 80.9	250 118.0	0.0770 0.0481	56 50	0.0486 0.0863	1.50 1
261	phk pp	L	35x 4 52	1M12/1 8.8	26.7 26.7	250 38.9	0.0125 0.0357	50 56	0.0273 0.0484	1.50 1
262	phk th	L	50x 4 52	2M12/1 8.8	80.9 157.8	400 159.4	0.0000 0.2422	56 63	0.2738 0.3643	2.00 1
263	phk hd	L	35x 4 52	1M12/1 8.8	106.7 106.7	250 155.7	0.2341 0.1218	56 50	0.0935 0.1244	2.00 1
264	phk hd	L	35x 4 52	1M12/1 8.8	62.8 62.8	250 91.6	0.0861 0.1031	50 56	0.0788 0.1048	2.00 1
265	phk hd	L	35x 4 52	1M12/1 8.8	90.3 90.3	250 131.7	0.3739 0.2600	56 50	0.1986 0.2643	2.00 1
266	phk hd	L	35x 4 52	1M12/1 8.8	37.1 37.1	250 54.1	0.0799 0.1595	50 56	0.1218 0.1621	2.00 1
267	phk hd	L	50x 5 52	1M16/1 8.8	79.1 79.1	250 80.5	0.3725 0.4843	56 50	0.4046 0.5743	2.00 1
268	phk hd	L	90x 8 52	2M16/1 8.8	11.4 11.4	250 49.6	0.0000 0.1294	63 41	0.3086 0.2738	2.00 1
269	lsk hd	L	35x 4 52	1M12/1 8.8	126.9 126.9	250 185.1	0.3763 0.1439	57 51	0.1108 0.1474	2.00 1
270	lsk hd	L	35x 4 52	1M12/1 8.8	62.8 62.8	250 91.6	0.0874 0.1047	51 57	0.0800 0.1064	2.00 1
271	lsk hd	L	35x 4 52	1M12/1 8.8	113.5 113.5	250 165.6	0.7150 0.3375	57 51	0.2578 0.3431	2.00 1
272	lsk hd	L	35x 4 52	1M12/1 8.8	37.1 37.1	250 54.1	0.0800 0.1601	51 57	0.1223 0.1627	2.00 1
273	lsk hd	L	50x 5 52	1M16/1 8.8	104.8 104.8	250 106.7	0.6916 0.6126	57 51	0.5171 0.7339	2.00 1
274	lsk pp	L	35x 4 52	1M12/1 8.8	114.2 114.2	250 166.6	0.0890 0.0159	57 51	0.0316 0.0560	1.50 1

	275	lsk	L	35x	4	1M12/1	50.0	250	0.0078	51	0.0191	1.50	
		pp		52		8.8	50.0	72.9	0.0250	57	0.0338	1	
+													+
	276	lsk	L	35x	4	1M12/1	105.7	250	0.1898	57	0.0770	1.50	
		pp		52		8.8	105.7	154.2	0.0715	51	0.1367	1	
+													+
	277	lsk	L	35x	4	1M12/1	25.0	250	0.0137	51	0.0323	1.50	
		pp		52		8.8	25.0	37.8	0.0423	57	0.0573	1	
+													+
	278	lsk	L	35x	4	1M12/1	114.2	250	0.0922	51	0.0327	1.50	
		pp		52		8.8	114.2	166.6	0.0160	57	0.0581	1	
+													+
	279	lsk	L	35x	4	1M12/1	50.0	250	0.0082	57	0.0201	1.50	
		pp		52		8.8	50.0	72.9	0.0263	51	0.0357	1	
+													+
	280	lsk	L	35x	4	1M12/1	105.7	250	0.2172	51	0.0882	1.50	
		pp		52		8.8	105.7	154.2	0.0873	57	0.1564	1	
+													+
	281	lsk	L	35x	4	1M12/1	25.0	250	0.0155	57	0.0350	1.50	
		pp		52		8.8	25.0	37.8	0.0458	51	0.0621	1	
+													+
	282	lsk	L	50x	4	2M16/1	105.7	400	0.0000	57	0.2275	2.00	
		th		52		8.8	206.1	208.3	0.3867	63	0.4035	1	
+													+
	283	lsk	L	50x	4	2M16/1	105.7	400	0.0000	57	0.2241	2.00	
		th		52		8.8	206.1	208.3	0.3810	63	0.3975	1	
+													+
	284	lsk	L	50x	4	2M16/1	105.7	400	0.0000	51	0.2250	2.00	
		th		52		8.8	206.1	208.3	0.3825	63	0.3991	1	
+													+
	285	lsk	L	50x	4	2M16/1	105.7	400	0.0000	51	0.2211	2.00	
		th		52		8.8	206.1	208.3	0.3759	63	0.3923	1	
+													+
	286	lsk	L	50x	4	2M16/1	105.7	400	0.0000	57	0.2158	2.00	
		th		52		8.8	206.1	208.3	0.3669	63	0.3828	1	
+													+
	287	lsk	L	50x	4	2M16/1	105.7	400	0.0000	51	0.2133	2.00	
		th		52		8.8	206.1	208.3	0.3626	63	0.3784	1	
+													+
	288	lsk	L	60x	6	2M20/1	102.7	200	0.5853	57	0.2663	2.00	
		dp		52		8.8	102.7	87.1	0.2889	51	0.3936	1	
+													+
	289	lsk	L	60x	6	2M20/1	102.7	200	0.4641	57	0.2111	2.00	
		dp		52		8.8	102.7	87.1	0.2102	51	0.3121	1	
+													+
	290	lsk	L	60x	6	2M20/1	102.7	200	0.2692	63	0.1225	2.00	
		dp		52		8.8	102.7	87.1	0.0000	51	0.1810	1	
+													+
	291	lsk	L	60x	6	2M20/1	102.7	200	0.4534	51	0.2063	2.00	
		dp		52		8.8	102.7	87.1	0.2048	57	0.3050	1	
+													+
	292	lsk	L	60x	6	2M20/1	102.7	200	0.5519	51	0.2511	2.00	
		dp		52		8.8	102.7	87.1	0.2716	57	0.3712	1	
+													+
	293	lsk	L	60x	6	2M20/1	102.7	200	0.6205	51	0.2823	2.00	
		dp		52		8.8	102.7	87.1	0.3137	57	0.4174	1	
+													+
	294	ldk	L	80x	8	2M16/1	11.4	250	0.0000	63	0.2978	2.00	
		hd		52		8.8	11.4	43.6	0.1440	41	0.2641	1	
+													+
	295	lsk	L	80x	8	2M16/1	11.4	250	0.0000	63	0.3013	2.00	
		hd		52		8.8	11.4	43.6	0.1457	41	0.2673	1	

296	lhk	L	90x	8	2M16/1	11.4	250	0.0000	63	0.3020	2.00
	hd		52		8.8	11.4	49.6	0.1266	41	0.2679	1
297	d2	L	45x	4	1M16/1	88.5	250	0.0882	63	0.0529	2.00
	vr		52		8.8	88.5	99.7	0.0000	57	0.0939	1
298	d2	L	50x	6	2M16/1	88.5	250	0.0000	58	0.2194	2.00
	vr		52		8.8	88.5	90.6	0.2570	63	0.2594	1
299	d2	L	45x	4	1M16/1	88.5	250	0.0858	63	0.0515	2.00
	vr		52		8.8	88.5	99.7	0.0000	52	0.0913	1
300	d2	L	50x	6	2M16/1	88.5	250	0.0000	51	0.2149	2.00
	vr		52		8.8	88.5	90.6	0.2518	63	0.2541	1
301	d2	L	80x	6	4M16/1	75.0	200	0.3667	48	0.2786	2.00
	ru		52		8.8	75.0	59.1	0.2275	44	0.3295	2
302	d2	L	80x	6	4M16/1	80.0	200	0.3324	48	0.2449	2.00
	ru		52		8.8	80.0	59.1	0.2181	47	0.2896	2
303	d1	L	70x	6	4M16/1	75.0	200	0.4746	48	0.2162	2.00
	ru		52		8.8	112.5	81.3	0.2240	47	0.2558	2
304	d1	L	70x	6	4M16/1	75.0	200	0.4237	48	0.1930	2.00
	ru		52		8.8	112.5	81.3	0.1951	47	0.2283	2
305	d1	L	70x	6	4M16/1	75.0	200	0.3620	48	0.1649	2.00
	ru		52		8.8	112.5	81.3	0.1599	47	0.1950	2
306	d2	L	80x	6	4M16/1	75.0	200	0.4136	48	0.3142	2.00
	ru		52		8.8	75.0	59.1	0.2421	47	0.3716	2
307	d2	L	80x	6	4M16/1	80.0	200	0.3199	44	0.2357	2.00
	ru		52		8.8	80.0	59.1	0.1821	47	0.2787	2
308	d1	L	70x	6	4M16/1	75.0	200	0.5389	48	0.2455	2.00
	ru		52		8.8	112.5	81.3	0.2513	47	0.2904	2
309	d1	L	70x	6	4M16/1	75.0	200	0.3763	48	0.1715	2.00
	ru		52		8.8	112.5	81.3	0.1611	47	0.2028	2
310	d1	L	70x	6	4M16/1	75.0	200	0.4245	48	0.1934	2.00
	ru		52		8.8	112.5	81.3	0.1910	47	0.2288	2
311	d2	L	80x	6	4M16/1	75.0	200	0.3748	44	0.2847	2.00
	ru		52		8.8	75.0	59.1	0.2020	48	0.3367	2
312	d2	L	80x	6	4M16/1	80.0	200	0.3691	47	0.2719	2.00
	ru		52		8.8	80.0	59.1	0.2382	48	0.3216	2
313	d1	L	70x	6	4M16/1	75.0	200	0.4333	47	0.1974	2.00
	ru		52		8.8	112.5	81.3	0.1907	48	0.2335	2
314	d1	L	70x	6	4M16/1	75.0	200	0.4844	47	0.2207	2.00
	ru		52		8.8	112.5	81.3	0.2199	48	0.2610	2
315	d1	L	70x	6	4M16/1	75.0	200	0.3239	47	0.1476	2.00
	ru		52		8.8	112.5	81.3	0.1285	48	0.1745	2
316	d2	L	80x	6	4M16/1	75.0	200	0.3825	47	0.2906	2.00

	ru		52		8.8		75.0	59.1	0.2258	48	0.3437	2	
+													+
	317	d2	L	80x 6	4M16/1		80.0	200	0.3315	47	0.2442	2.00	
		ru		52	8.8		80.0	59.1	0.2127	48	0.2888	2	
+													+
	318	d1	L	70x 6	4M16/1		75.0	200	0.4795	47	0.2185	2.00	
		ru		52	8.8		112.5	81.3	0.2275	48	0.2584	2	
+													+
	319	d1	L	70x 6	4M16/1		75.0	200	0.4159	47	0.1895	2.00	
		ru		52	8.8		112.5	81.3	0.1936	48	0.2241	2	
+													+
	320	d1	L	70x 6	4M16/1		75.0	200	0.3623	47	0.1651	2.00	
		ru		52	8.8		112.5	81.3	0.1656	48	0.1952	2	
+													+
	321	sp	L	100x10	2M12/1		30.0	250	0.0000	63	0.3992	2.00	
		hd		52	8.8		30.0	43.7	0.0648	41	0.2124	1	
+													+
	322	sp	L	100x10	3M16/1		25.0	250	0.0108	48	0.0312	2.00	
		hd		52	8.8		25.0	43.7	0.0124	47	0.0221	1	
+													+
	323	sp	L	100x10	3M16/1		25.0	250	0.0108	47	0.0312	2.00	
		hd		52	8.8		25.0	43.7	0.0124	48	0.0221	1	
+													+
	324	sp	L	100x10	2M12/1		30.0	250	0.0022	48	0.0176	2.00	
		hd		52	8.8		30.0	43.7	0.0029	47	0.0094	1	
+													+
	325	sp	L	100x10	2M12/1		30.0	250	0.0151	48	0.1144	2.00	
		hd		52	8.8		30.0	43.7	0.0184	47	0.0609	1	
+													+
	326	sp	L	100x10	3M16/1		30.0	250	0.0196	48	0.0557	2.00	
		hd		52	8.8		30.0	43.7	0.0214	47	0.0395	1	
+													+
	327	sp	L	100x10	3M16/1		30.0	250	0.0008	47	0.0030	2.00	
		hd		52	8.8		30.0	43.7	0.0012	48	0.0021	1	
+													+
	328	d1	L	45x 4	1M16/1		88.5	250	0.1117	48	0.0670	2.00	
		vr		52	8.8		88.5	99.7	0.0265	47	0.1189	1	
+													+
	329	d1	L	50x 6	2M16/1		88.5	250	0.0000	55	0.1528	2.00	
		vr		52	8.8		88.5	90.6	0.1790	63	0.1807	1	
+													+
	330	d1	L	45x 4	1M16/1		88.5	250	0.1037	47	0.0622	2.00	
		vr		52	8.8		88.5	99.7	0.0210	48	0.1103	1	
+													+
	331	d1	L	50x 6	2M16/1		88.5	250	0.0000	50	0.1520	2.00	
		vr		52	8.8		88.5	90.6	0.1781	63	0.1797	1	
+													+
	332	d4	L	60x 6	1M20/1		88.5	250	0.0489	40	0.0528	2.00	
		vr		52	8.8		88.5	75.0	0.0702	39	0.0780	1	
+													+
	333	d4	L	60x 6	1M20/1		88.5	250	0.0527	44	0.0569	2.00	
		vr		52	8.8		88.5	75.0	0.0451	39	0.0841	1	
+													+
	334	d4	L	60x 6	1M20/1		88.5	250	0.0491	39	0.0531	2.00	
		vr		52	8.8		88.5	75.0	0.0697	40	0.0784	1	
+													+
	335	d4	L	60x 6	1M20/1		88.5	250	0.0356	39	0.0495	2.00	
		vr		52	8.8		88.5	75.0	0.0684	44	0.0732	1	
+													+
	336	d+3	L	45x 4	1M16/1		147.5	250	0.0769	40	0.0218	2.00	
		vr		52	8.8		147.5	166.2	0.0394	39	0.0387	1	
+													+

	337	d+3	L	45x	4	1M16/1	147.5	250	0.0013	58	0.0246	2.00	
		vr		52		8.8	147.5	166.2	0.0444	44	0.0437	1	
+													
	338	d+3	L	45x	4	1M16/1	147.5	250	0.0767	39	0.0217	2.00	
		vr		52		8.8	147.5	166.2	0.0392	40	0.0386	1	
+													
	339	d+3	L	45x	4	1M16/1	147.5	250	0.0857	44	0.0226	2.00	
		vr		52		8.8	147.5	166.2	0.0027	52	0.0400	1	
+													
	340	d1	L	70x	6	4M16/1	80.0	200	0.2135	47	0.1331	2.00	
		ru		52		8.8	80.0	57.8	0.1302	48	0.1574	2	
+													
	341	d3	L	90x	8	6M20/1	53.3	200	0.5437	39	0.2829	2.00	
		ru		52		8.8	79.9	49.6	0.4037	40	0.3136	2	
+													
	342	d3	L	90x	8	6M20/1	53.3	200	0.5532	39	0.2878	2.00	
		ru		52		8.8	79.9	49.6	0.4724	44	0.3191	2	
+													
	343	d3	L	90x	8	6M20/1	53.3	200	0.6468	39	0.3365	2.00	
		ru		52		8.8	79.9	49.6	0.4910	40	0.3731	2	
+													
	344	d3	L	90x	8	6M20/1	53.3	200	0.6540	39	0.3402	2.00	
		ru		52		8.8	79.9	49.6	0.5641	44	0.3773	2	
+													
	345	d3	L	90x	8	6M20/1	53.3	200	0.7476	39	0.3890	2.00	
		ru		52		8.8	79.9	49.6	0.5770	40	0.4313	2	
+													
	346	d3	L	90x	8	6M20/1	53.3	200	0.7534	39	0.3920	2.00	
		ru		52		8.8	79.9	49.6	0.6548	44	0.4346	2	
+													
	347	d1	L	70x	6	4M16/1	80.0	200	0.2667	47	0.1663	2.00	
		ru		52		8.8	80.0	57.8	0.1565	48	0.1967	2	
+													
	348	d3	L	90x	8	6M20/1	53.3	200	0.5719	44	0.2975	2.00	
		ru		52		8.8	79.9	49.6	0.3507	40	0.3299	2	
+													
	349	d3	L	90x	8	6M20/1	53.3	200	0.6124	39	0.3186	2.00	
		ru		52		8.8	79.9	49.6	0.4438	40	0.3533	2	
+													
	350	d3	L	90x	8	6M20/1	53.3	200	0.6767	44	0.3521	2.00	
		ru		52		8.8	79.9	49.6	0.4389	40	0.3904	2	
+													
	351	d3	L	90x	8	6M20/1	53.3	200	0.7119	39	0.3704	2.00	
		ru		52		8.8	79.9	49.6	0.5327	40	0.4107	2	
+													
	352	d3	L	90x	8	6M20/1	53.3	200	0.7815	44	0.4066	2.00	
		ru		52		8.8	79.9	49.6	0.5265	40	0.4508	2	
+													
	353	d3	L	90x	8	6M20/1	53.3	200	0.8081	39	0.4204	2.00	
		ru		52		8.8	79.9	49.6	0.6193	40	0.4661	2	
+													
	354	d1	L	70x	6	4M16/1	80.0	200	0.1880	48	0.1172	2.00	
		ru		52		8.8	80.0	57.8	0.0997	47	0.1386	2	
+													
	355	d3	L	90x	8	6M20/1	53.3	200	0.5573	40	0.2899	2.00	
		ru		52		8.8	79.9	49.6	0.4031	39	0.3215	2	
+													
	356	d3	L	90x	8	6M20/1	53.3	200	0.6212	44	0.3232	2.00	
		ru		52		8.8	79.9	49.6	0.3979	39	0.3584	2	
+													
	357	d3	L	90x	8	6M20/1	53.3	200	0.6604	40	0.3436	2.00	
		ru		52		8.8	79.9	49.6	0.4903	39	0.3809	2	

358	d3	L	90x 8	6M20/1	53.3	200	0.7283	44	0.3789	2.00
	ru		52	8.8	79.9	49.6	0.4837	39	0.4201	2
359	d3	L	90x 8	6M20/1	53.3	200	0.7611	40	0.3960	2.00
	ru		52	8.8	79.9	49.6	0.5763	39	0.4391	2
360	d3	L	90x 8	6M20/1	53.3	200	0.8341	44	0.4340	2.00
	ru		52	8.8	79.9	49.6	0.5686	39	0.4812	2
361	d1	L	70x 6	4M16/1	80.0	200	0.2272	48	0.1416	2.00
	ru		52	8.8	80.0	57.8	0.1355	47	0.1675	2
362	d3	L	90x 8	6M20/1	53.3	200	0.5071	40	0.2638	2.00
	ru		52	8.8	79.9	49.6	0.4229	44	0.2925	2
363	d3	L	90x 8	6M20/1	53.3	200	0.5990	40	0.3116	2.00
	ru		52	8.8	79.9	49.6	0.4442	39	0.3455	2
364	d3	L	90x 8	6M20/1	53.3	200	0.6062	40	0.3154	2.00
	ru		52	8.8	79.9	49.6	0.5162	44	0.3497	2
365	d3	L	90x 8	6M20/1	53.3	200	0.6986	40	0.3635	2.00
	ru		52	8.8	79.9	49.6	0.5331	39	0.4030	2
366	d3	L	90x 8	6M20/1	53.3	200	0.7036	40	0.3660	2.00
	ru		52	8.8	79.9	49.6	0.6101	44	0.4059	2
367	d3	L	90x 8	6M20/1	53.3	200	0.7949	40	0.4135	2.00
	ru		52	8.8	79.9	49.6	0.6198	39	0.4585	2
368	d1	L	50x 6	2M16/1	88.5	250	0.4296	49	0.2393	2.00
	vr		52	8.8	88.5	90.6	0.2006	55	0.2831	1
369	d1	L	60x 6	1M16/1	88.5	250	0.0847	56	0.1961	2.00
	vr		52	8.8	88.5	75.0	0.1541	50	0.2320	1
370	d1	L	50x 6	2M16/1	88.5	250	0.4328	56	0.2411	2.00
	vr		52	8.8	88.5	90.6	0.2005	50	0.2852	1
371	d1	L	60x 6	1M16/1	88.5	250	0.1017	49	0.2254	2.00
	vr		52	8.8	88.5	75.0	0.1770	55	0.2666	1
372	d1	L	35x 4	1M12/1	125.2	250	0.4599	49	0.4215	2.00
	rv		52	8.8	62.6	91.3	0.4627	55	0.5608	1
373	d1	L	35x 4	1M12/1	125.2	250	0.2407	50	0.2206	2.00
	rv		52	8.8	62.6	91.3	0.2074	56	0.2935	1
374	d2	L	60x 6	2M20/1	88.5	250	0.3935	52	0.2126	2.00
	vr		52	8.8	88.5	75.0	0.2253	58	0.3142	1
375	d2	L	60x 6	1M16/1	88.5	250	0.1119	52	0.2475	2.00
	vr		52	8.8	88.5	75.0	0.1944	58	0.2927	1
376	d2	L	60x 6	2M20/1	88.5	250	0.3961	57	0.2139	2.00
	vr		52	8.8	88.5	75.0	0.2247	51	0.3163	1
377	d2	L	60x 6	1M16/1	88.5	250	0.0953	57	0.2185	2.00
	vr		52	8.8	88.5	75.0	0.1716	51	0.2584	1
378	d2	L	35x 4	1M12/1	125.2	250	0.3075	51	0.2818	2.00

		rv		52		8.8		62.6		91.3		0.2837		57		0.3750		1	
+																			+
	379	d2	L	35x	4	1M12/1		125.2		250		0.5779		52		0.5296		2.00	
		rv		52		8.8		62.6		91.3		0.5631		58		0.7047		1	
+																			+
	380	d3	L	50x	6	2M16/1		88.5		250		0.4168		53		0.2322		2.00	
		vr		52		8.8		88.5		90.6		0.1909		59		0.2747		1	
+																			+
	381	d3	L	60x	6	1M16/1		88.5		250		0.0756		60		0.1834		2.00	
		vr		52		8.8		88.5		75.0		0.1441		54		0.2170		1	
+																			+
	382	d3	L	50x	6	2M16/1		88.5		250		0.4202		60		0.2341		2.00	
		vr		52		8.8		88.5		90.6		0.1906		54		0.2769		1	
+																			+
	383	d3	L	60x	6	1M16/1		88.5		250		0.0923		53		0.2117		2.00	
		vr		52		8.8		88.5		75.0		0.1663		59		0.2504		1	
+																			+
	384	d3	L	35x	4	1M12/1		125.2		250		0.4409		53		0.4040		2.00	
		rv		52		8.8		62.6		91.3		0.4358		59		0.5376		1	
+																			+
	385	d3	L	35x	4	1M12/1		125.2		250		0.2318		54		0.2124		2.00	
		rv		52		8.8		62.6		91.3		0.2010		60		0.2826		1	
+																			+
	386	d2	L	80x	6	4M16/1		72.5		200		0.5217		47		0.3128		2.00	
		ru		52		8.8		108.8		68.5		0.2828		44		0.3699		2	
+																			+
	387	d2	L	80x	6	4M16/1		72.5		200		0.6633		39		0.3976		2.00	
		ru		52		8.8		108.8		68.5		0.3322		40		0.4703		2	
+																			+
	388	d3	L	90x	8	6M20/1		80.0		200		0.3343		39		0.1738		2.00	
		ru		52		8.8		80.0		49.6		0.2927		44		0.1927		2	
+																			+
	389	d3	L	90x	8	6M20/1		80.0		200		0.4307		39		0.2240		2.00	
		ru		52		8.8		80.0		49.6		0.3262		40		0.2483		2	
+																			+
	390	d3	L	90x	8	6M20/1		75.0		200		0.4360		39		0.2329		2.00	
		ru		52		8.8		75.0		49.6		0.3821		44		0.2582		2	
+																			+
	391	d2	L	80x	6	4M16/1		72.5		200		0.5905		39		0.3540		2.00	
		ru		52		8.8		108.8		68.5		0.2787		40		0.4187		2	
+																			+
	392	d2	L	80x	6	4M16/1		72.5		200		0.6845		44		0.4104		2.00	
		ru		52		8.8		108.8		68.5		0.2646		40		0.4854		2	
+																			+
	393	d3	L	90x	8	6M20/1		80.0		200		0.3951		39		0.2054		2.00	
		ru		52		8.8		80.0		49.6		0.2807		40		0.2278		2	
+																			+
	394	d3	L	90x	8	6M20/1		80.0		200		0.4514		44		0.2347		2.00	
		ru		52		8.8		80.0		49.6		0.2703		40		0.2602		2	
+																			+
	395	d3	L	90x	8	6M20/1		75.0		200		0.4969		39		0.2654		2.00	
		ru		52		8.8		75.0		49.6		0.3564		40		0.2943		2	
+																			+
	396	d2	L	80x	6	4M16/1		72.5		200		0.5893		44		0.3533		2.00	
		ru		52		8.8		108.8		68.5		0.2195		47		0.4179		2	
+																			+
	397	d2	L	80x	6	4M16/1		72.5		200		0.6956		40		0.4170		2.00	
		ru		52		8.8		108.8		68.5		0.3343		39		0.4932		2	
+																			+
	398	d3	L	90x	8	6M20/1		80.0		200		0.3934		44		0.2046		2.00	
		ru		52		8.8		80.0		49.6		0.2258		39		0.2268		2	
+																			+

	399	d3	L	90x 8	6M20/1	80.0	200	0.4464	40	0.2321	2.00	
		ru		52	8.8	80.0	49.6	0.3275	39	0.2574	2	
+												+
	400	d3	L	90x 8	6M20/1	75.0	200	0.5003	44	0.2672	2.00	
		ru		52	8.8	75.0	49.6	0.3080	39	0.2963	2	
+												+
	401	d2	L	80x 6	4M16/1	72.5	200	0.5580	40	0.3345	2.00	
		ru		52	8.8	108.8	68.5	0.2761	39	0.3957	2	
+												+
	402	d2	L	80x 6	4M16/1	72.5	200	0.5802	40	0.3478	2.00	
		ru		52	8.8	108.8	68.5	0.3489	44	0.4114	2	
+												+
	403	d3	L	90x 8	6M20/1	80.0	200	0.3789	40	0.1970	2.00	
		ru		52	8.8	80.0	49.6	0.2787	39	0.2185	2	
+												+
	404	d3	L	90x 8	6M20/1	80.0	200	0.3891	40	0.2023	2.00	
		ru		52	8.8	80.0	49.6	0.3410	44	0.2243	2	
+												+
	405	d3	L	90x 8	6M20/1	75.0	200	0.4830	40	0.2580	2.00	
		ru		52	8.8	75.0	49.6	0.3560	39	0.2860	2	
+												+
	406	d3	L	60x 6	2M16/1	88.5	250	0.0000	54	0.1580	2.00	
		vr		52	8.8	88.5	75.0	0.1444	63	0.1869	1	
+												+
	407	d3	L	45x 4	1M16/1	88.5	250	0.0812	63	0.0487	2.00	
		vr		52	8.8	88.5	99.7	0.0000	34	0.0864	1	
+												+
	408	d3	L	60x 6	2M16/1	88.5	250	0.0000	59	0.1617	2.00	
		vr		52	8.8	88.5	75.0	0.1478	63	0.1913	1	
+												+
	409	d3	L	45x 4	1M16/1	88.5	250	0.0869	41	0.0521	2.00	
		vr		52	8.8	88.5	99.7	0.0000	53	0.0925	1	
+												+
	410	d3	L	60x 6	2M16/1	88.5	250	0.0075	40	0.0087	2.00	
		vr		52	8.8	88.5	75.0	0.0080	39	0.0103	1	
+												+
	411	d3	L	45x 4	1M16/1	88.5	250	0.0000	54	0.0152	2.00	
		vr		52	8.8	88.5	99.7	0.0274	44	0.0269	1	
+												+
	412	d3	L	60x 6	2M16/1	88.5	250	0.0075	39	0.0088	2.00	
		vr		52	8.8	88.5	75.0	0.0080	40	0.0104	1	
+												+
	413	d3	L	45x 4	1M16/1	88.5	250	0.0219	44	0.0131	2.00	
		vr		52	8.8	88.5	99.7	0.0038	53	0.0233	1	
+												+
	414	d3	L	60x 6	1M16/1	88.5	250	0.0092	40	0.0155	2.00	
		vr		52	8.8	88.5	75.0	0.0110	39	0.0184	1	
+												+
	415	d3	L	60x 6	1M16/1	88.5	250	0.0035	52	0.0175	2.00	
		vr		52	8.8	88.5	75.0	0.0138	44	0.0207	1	
+												+
	416	d3	L	60x 6	1M16/1	88.5	250	0.0094	39	0.0159	2.00	
		vr		52	8.8	88.5	75.0	0.0113	40	0.0188	1	
+												+
	417	d3	L	60x 6	1M16/1	88.5	250	0.0063	44	0.0126	2.00	
		vr		52	8.8	88.5	75.0	0.0099	60	0.0149	1	
+												+
	418	lhk	L	50x 6	2M16/1	76.3	200	0.4899	49	0.3265	2.00	
		dp		52	8.8	76.3	78.1	0.2887	55	0.3862	1	
+												+
	419	lhk	L	50x 6	2M16/1	76.3	200	0.4393	49	0.2928	2.00	
		dp		52	8.8	76.3	78.1	0.2529	55	0.3463	1	

420	lhk	L	50x 6	2M16/1	76.3	200	0.3644	49	0.2429	2.00
	dp		52	8.8	76.3	78.1	0.1953	55	0.2872	1
421	lhk	L	50x 6	2M16/1	76.3	200	0.2054	63	0.1369	2.00
	dp		52	8.8	76.3	78.1	0.0000	49	0.1619	1
422	lhk	L	50x 6	2M16/1	76.3	200	0.3750	55	0.2500	2.00
	dp		52	8.8	76.3	78.1	0.1972	49	0.2956	1
423	lhk	L	50x 6	2M16/1	76.3	200	0.4649	55	0.3098	2.00
	dp		52	8.8	76.3	78.1	0.2642	49	0.3664	1
424	lhk	L	50x 4	2M12/1	80.9	400	0.0000	49	0.2671	2.00
	th		52	8.8	157.8	159.4	0.2362	63	0.3553	1
425	lhk	L	50x 4	2M12/1	80.9	400	0.0000	55	0.2812	2.00
	th		52	8.8	157.8	159.4	0.2487	63	0.3741	1
426	lhk	L	50x 4	2M12/1	80.9	400	0.0000	49	0.2747	2.00
	th		52	8.8	157.8	159.4	0.2430	63	0.3655	1
427	lhk	L	50x 4	2M12/1	80.9	400	0.0000	49	0.2784	2.00
	th		52	8.8	157.8	159.4	0.2463	63	0.3705	1
428	lhk	L	50x 4	2M12/1	80.9	400	0.0000	55	0.2881	2.00
	th		52	8.8	157.8	159.4	0.2549	63	0.3834	1
429	lhk	L	50x 4	2M12/1	80.9	400	0.0000	55	0.2914	2.00
	th		52	8.8	157.8	159.4	0.2577	63	0.3877	1
430	lhk	L	35x 4	1M12/1	26.7	250	0.0134	55	0.0288	1.50
	pp		52	8.8	26.7	38.9	0.0377	49	0.0511	1
431	lhk	L	35x 4	1M12/1	80.9	250	0.0913	49	0.0577	1.50
	pp		52	8.8	80.9	118.0	0.0596	55	0.1023	1
432	lhk	L	35x 4	1M12/1	53.3	250	0.0088	55	0.0175	1.50
	pp		52	8.8	53.3	77.8	0.0229	49	0.0310	1
433	lhk	L	35x 4	1M12/1	93.1	250	0.0407	49	0.0205	1.50
	pp		52	8.8	93.1	135.8	0.0115	55	0.0364	1
434	lhk	L	35x 4	1M12/1	26.7	250	0.0126	49	0.0269	1.50
	pp		52	8.8	26.7	38.9	0.0352	55	0.0477	1
435	lhk	L	35x 4	1M12/1	80.9	250	0.0757	55	0.0478	1.50
	pp		52	8.8	80.9	118.0	0.0483	49	0.0848	1
436	lhk	L	35x 4	1M12/1	53.3	250	0.0095	49	0.0176	1.50
	pp		52	8.8	53.3	77.8	0.0231	55	0.0313	1
437	lhk	L	35x 4	1M12/1	93.1	250	0.0439	55	0.0221	1.50
	pp		52	8.8	93.1	135.8	0.0142	49	0.0392	1
438	lhk	L	50x 5	1M16/1	79.1	250	0.3732	55	0.4054	2.00
	hd		52	8.8	79.1	80.5	0.4832	49	0.5754	1
439	lhk	L	35x 4	1M12/1	37.1	250	0.0799	49	0.1221	2.00
	hd		52	8.8	37.1	54.1	0.1598	55	0.1624	1
440	lhk	L	35x 4	1M12/1	90.3	250	0.3751	55	0.1989	2.00

	hd			52		8.8		90.3	131.7	0.2604	49	0.2647	1	
	441	lhk	L	35x 4	1M12/1	62.8	250	0.0860	49	0.0788	2.00			
		hd		52		8.8		62.8	91.6	0.1032	55	0.1049	1	
	442	lhk	L	35x 4	1M12/1	106.7	250	0.2318	55	0.0926	2.00			
		hd		52		8.8		106.7	155.7	0.1202	49	0.1232	1	
	443	ldk	L	50x 6	2M16/1	76.3	200	0.4890	53	0.3259	2.00			
		dp		52		8.8		76.3	78.1	0.2833	59	0.3855	1	
	444	ldk	L	50x 6	2M16/1	76.3	200	0.4361	53	0.2907	2.00			
		dp		52		8.8		76.3	78.1	0.2462	59	0.3438	1	
	445	ldk	L	50x 6	2M16/1	76.3	200	0.3608	53	0.2405	2.00			
		dp		52		8.8		76.3	78.1	0.1885	59	0.2844	1	
	446	ldk	L	50x 6	2M16/1	76.3	200	0.2197	63	0.1464	2.00			
		dp		52		8.8		76.3	78.1	0.0000	53	0.1732	1	
	447	ldk	L	50x 6	2M16/1	76.3	200	0.3745	59	0.2496	2.00			
		dp		52		8.8		76.3	78.1	0.1890	53	0.2952	1	
	448	ldk	L	50x 6	2M16/1	76.3	200	0.4660	59	0.3106	2.00			
		dp		52		8.8		76.3	78.1	0.2571	53	0.3674	1	
	449	ldk	L	50x 4	2M12/1	80.3	400	0.0025	53	0.2804	2.00			
		th		52		8.8		156.6	158.2	0.2481	63	0.3731	1	
	450	ldk	L	50x 4	2M12/1	80.3	400	0.0000	59	0.2990	2.00			
		th		52		8.8		156.6	158.2	0.2645	63	0.3978	1	
	451	ldk	L	50x 4	2M12/1	80.3	400	0.0000	53	0.2893	2.00			
		th		52		8.8		156.6	158.2	0.2559	63	0.3850	1	
	452	ldk	L	50x 4	2M12/1	80.3	400	0.0000	53	0.2931	2.00			
		th		52		8.8		156.6	158.2	0.2592	63	0.3899	1	
	453	ldk	L	50x 4	2M12/1	80.3	400	0.0000	59	0.3069	2.00			
		th		52		8.8		156.6	158.2	0.2715	63	0.4084	1	
	454	ldk	L	50x 4	2M12/1	80.3	400	0.0000	59	0.3102	2.00			
		th		52		8.8		156.6	158.2	0.2744	63	0.4128	1	
	455	ldk	L	35x 4	1M12/1	25.0	250	0.0133	59	0.0297	1.50			
		pp		52		8.8		25.0	37.8	0.0388	53	0.0526	1	
	456	ldk	L	35x 4	1M12/1	80.3	250	0.0988	53	0.0632	1.50			
		pp		52		8.8		80.3	117.1	0.0645	59	0.1120	1	
	457	ldk	L	35x 4	1M12/1	50.0	250	0.0083	59	0.0173	1.50			
		pp		52		8.8		50.0	72.9	0.0227	53	0.0308	1	
	458	ldk	L	35x 4	1M12/1	91.3	250	0.0408	53	0.0212	1.50			
		pp		52		8.8		91.3	133.2	0.0122	59	0.0376	1	
	459	ldk	L	35x 4	1M12/1	25.0	250	0.0127	53	0.0275	1.50			
		pp		52		8.8		25.0	37.8	0.0360	59	0.0488	1	
	460	ldk	L	35x 4	1M12/1	80.3	250	0.0807	59	0.0516	1.50			
		pp		52		8.8		80.3	117.1	0.0525	53	0.0915	1	

	461	ldk	L	35x	4	1M12/1	50.0	250	0.0092	53	0.0177	1.50	
		pp		52		8.8	50.0	72.9	0.0231	59	0.0314	1	
+													
	462	ldk	L	35x	4	1M12/1	91.3	250	0.0450	59	0.0234	1.50	
		pp		52		8.8	91.3	133.2	0.0155	53	0.0415	1	
+													
	463	ldk	L	50x	5	1M16/1	79.1	250	0.3725	59	0.4046	2.00	
		hd		52		8.8	79.1	80.5	0.4801	53	0.5742	1	
+													
	464	ldk	L	35x	4	1M12/1	37.1	250	0.0797	53	0.1221	2.00	
		hd		52		8.8	37.1	54.1	0.1598	59	0.1624	1	
+													
	465	ldk	L	35x	4	1M12/1	90.3	250	0.3755	59	0.1991	2.00	
		hd		52		8.8	90.3	131.7	0.2606	53	0.2648	1	
+													
	466	ldk	L	35x	4	1M12/1	62.8	250	0.0858	53	0.0788	2.00	
		hd		52		8.8	62.8	91.6	0.1032	59	0.1048	1	
+													
	467	ldk	L	35x	4	1M12/1	106.7	250	0.2321	59	0.0927	2.00	
		hd		52		8.8	106.7	155.7	0.1200	53	0.1233	1	
+													
	468	sp	L	50x	4	4M16/1	80.7	200	0.4495	47	0.0967	2.00	
		ru		52		8.8	80.7	81.5	0.2892	48	0.1716	2	
+													
	469	sp	L	50x	4	4M16/1	80.7	200	0.3579	47	0.0772	2.00	
		ru		52		8.8	80.7	81.5	0.2339	48	0.1370	2	
+													
	470	sp	L	50x	4	4M16/1	80.7	200	0.2030	47	0.0462	2.00	
		ru		52		8.8	80.7	81.5	0.1398	48	0.0819	2	
+													
	471	sp	L	50x	4	4M16/1	80.7	200	0.0672	48	0.0209	2.00	
		ru		52		8.8	80.7	81.5	0.0632	47	0.0370	2	
+													
	472	sp	L	50x	4	4M16/1	80.7	200	0.3192	48	0.0687	2.00	
		ru		52		8.8	80.7	81.5	0.1690	47	0.1218	2	
+													
	473	sp	L	50x	4	4M16/1	80.7	200	0.2180	41	0.0469	2.00	
		ru		52		8.8	80.7	81.5	0.0424	48	0.0832	2	
+													
	474	sp	L	50x	4	4M16/1	80.7	200	0.3065	47	0.0660	2.00	
		ru		52		8.8	80.7	81.5	0.1658	48	0.1170	2	
+													
	475	sp	L	50x	4	4M16/1	80.7	200	0.4120	47	0.0886	2.00	
		ru		52		8.8	80.7	81.5	0.2344	48	0.1572	2	
+													
	476	sp	L	50x	4	4M16/1	80.7	200	0.6271	48	0.1349	2.00	
		ru		52		8.8	80.7	81.5	0.3588	47	0.2394	2	
+													
	477	sp	L	50x	4	4M16/1	80.7	200	0.5871	48	0.1263	2.00	
		ru		52		8.8	80.7	81.5	0.3423	47	0.2241	2	
+													
	478	sp	L	50x	4	4M16/1	80.7	200	0.5868	48	0.1262	2.00	
		ru		52		8.8	80.7	81.5	0.3471	47	0.2240	2	
+													
	479	sp	L	50x	4	4M16/1	80.7	200	0.5985	48	0.1288	2.00	
		ru		52		8.8	80.7	81.5	0.3574	47	0.2284	2	
+													
	480	sp	L	50x	4	4M16/1	80.7	200	0.5394	48	0.1161	2.00	
		ru		52		8.8	80.7	81.5	0.3415	47	0.2059	2	
+													
	481	sp	L	50x	4	4M16/1	80.7	200	0.4907	48	0.1056	2.00	
		ru		52		8.8	80.7	81.5	0.3147	47	0.1873	2	

+													+
	482	sp	L	50x	4	4M16/1	80.7	200	0.4211	48	0.0909	2.00	
		ru		52		8.8	80.7	81.5	0.2752	47	0.1612	2	
+													+
	483	sp	L	50x	4	4M16/1	80.7	200	0.3142	48	0.0704	2.00	
		ru		52		8.8	80.7	81.5	0.2133	47	0.1249	2	
+													+
	484	sp	L	35x	4	1M12/1	88.6	250	1.0395	47	0.5676	2.00	
		hd		52		8.8	88.6	129.2	0.7069	48	0.7552	1	
+													+
	485	sp	L	35x	4	1M12/1	44.6	250	0.1416	48	0.1961	2.00	
		hd		52		8.8	44.6	65.1	0.2568	47	0.2610	1	
+													+
	486	sp	L	35x	4	1M12/1	95.7	250	0.6721	47	0.3230	2.00	
		hd		52		8.8	95.7	139.6	0.4022	48	0.4298	1	
+													+
	487	sp	L	35x	4	1M12/1	59.3	250	0.1455	48	0.1496	2.00	
		hd		52		8.8	59.3	86.5	0.1958	47	0.1990	1	
+													+
	488	sp	L	35x	4	1M12/1	104.3	250	0.5082	47	0.2111	2.00	
		hd		52		8.8	104.3	152.1	0.2637	48	0.2809	1	
+													+
	489	sp	L	35x	4	1M12/1	73.9	250	0.1588	48	0.1206	2.00	
		hd		52		8.8	73.9	107.8	0.1579	47	0.1605	1	
+													+
	490	sp	L	35x	4	1M12/1	114.2	250	0.4401	47	0.1562	2.00	
		hd		52		8.8	114.2	166.6	0.1965	48	0.2078	1	
+													+
	491	sp	L	35x	4	1M12/1	88.6	250	1.7038	47	0.9303	2.00	
		hd		52		8.8	88.6	129.2	1.2156	48	1.2378	1	
+													+
	492	sp	L	35x	4	1M12/1	44.6	250	0.2428	48	0.3217	2.00	
		hd		52		8.8	44.6	65.1	0.4211	47	0.4280	1	
+													+
	493	sp	L	35x	4	1M12/1	95.7	250	1.1030	47	0.5302	2.00	
		hd		52		8.8	95.7	139.6	0.6927	48	0.7054	1	
+													+
	494	sp	L	35x	4	1M12/1	59.3	250	0.2503	48	0.2463	2.00	
		hd		52		8.8	59.3	86.5	0.3224	47	0.3277	1	
+													+
	495	sp	L	35x	4	1M12/1	104.3	250	0.8374	47	0.3478	2.00	
		hd		52		8.8	104.3	152.1	0.4537	48	0.4628	1	
+													+
	496	sp	L	35x	4	1M12/1	73.9	250	0.2713	48	0.1974	2.00	
		hd		52		8.8	73.9	107.8	0.2584	47	0.2626	1	
+													+
	497	sp	L	35x	4	1M12/1	114.2	250	0.7224	47	0.2564	2.00	
		hd		52		8.8	114.2	166.6	0.3331	48	0.3411	1	
+													+
	498	sp	L	35x	4	1M12/1	88.6	250	0.9767	47	0.5609	2.00	
		hd		52		8.8	88.6	129.2	0.7343	48	0.7463	1	
+													+
	499	sp	L	35x	4	1M12/1	44.6	250	0.1474	48	0.1952	2.00	
		hd		52		8.8	44.6	65.1	0.2414	47	0.2597	1	
+													+
	500	sp	L	35x	4	1M12/1	95.7	250	0.6307	47	0.3203	2.00	
		hd		52		8.8	95.7	139.6	0.4193	48	0.4262	1	
+													+
	501	sp	L	35x	4	1M12/1	59.3	250	0.1520	48	0.1493	2.00	
		hd		52		8.8	59.3	86.5	0.1843	47	0.1987	1	
+													+
	502	sp	L	35x	4	1M12/1	104.3	250	0.4800	47	0.2112	2.00	

	hd			52		8.8	104.3	152.1	0.2764	48	0.2810	1	
	503	sp	L	35x	4	1M12/1	73.9	250	0.1640	48	0.1190	2.00	
		hd		52		8.8	73.9	107.8	0.1469	47	0.1583	1	
	504	sp	L	35x	4	1M12/1	114.2	250	0.4048	47	0.1533	2.00	
		hd		52		8.8	114.2	166.6	0.2007	48	0.2040	1	
	505	sp	L	35x	4	1M12/1	88.6	250	0.2254	47	0.1234	2.00	
		hd		52		8.8	88.6	129.2	0.1615	48	0.1642	1	
	506	sp	L	35x	4	1M12/1	44.6	250	0.0331	48	0.0438	2.00	
		hd		52		8.8	44.6	65.1	0.0573	47	0.0583	1	
	507	sp	L	35x	4	1M12/1	95.7	250	0.1501	47	0.0721	2.00	
		hd		52		8.8	95.7	139.6	0.0930	48	0.0960	1	
	508	sp	L	35x	4	1M12/1	59.3	250	0.0338	48	0.0335	2.00	
		hd		52		8.8	59.3	86.5	0.0439	47	0.0446	1	
	509	sp	L	35x	4	1M12/1	104.3	250	0.1161	47	0.0482	2.00	
		hd		52		8.8	104.3	152.1	0.0616	48	0.0642	1	
	510	sp	L	35x	4	1M12/1	73.9	250	0.0368	48	0.0272	2.00	
		hd		52		8.8	73.9	107.8	0.0356	47	0.0361	1	
	511	sp	L	35x	4	1M12/1	114.2	250	0.0983	47	0.0349	2.00	
		hd		52		8.8	114.2	166.6	0.0433	48	0.0464	1	
	512	d4	L	35x	4	1M12/1	125.2	250	0.0113	53	0.0117	2.00	
		rv		52		8.8	62.6	91.3	0.0153	59	0.0155	1	
	513	d4	L	35x	4	1M12/1	125.2	250	0.0170	59	0.0156	2.00	
		rv		52		8.8	62.6	91.3	0.0085	53	0.0207	1	
	514	d+0	L	45x	4	1M16/1	118.0	250	0.0678	40	0.0286	2.00	
		vr		52		8.8	118.0	132.9	0.0517	39	0.0508	1	
	515	d+0	L	45x	4	1M16/1	118.0	250	0.0003	54	0.0307	2.00	
		vr		52		8.8	118.0	132.9	0.0555	44	0.0545	1	
	516	d+0	L	45x	4	1M16/1	118.0	250	0.0678	39	0.0287	2.00	
		vr		52		8.8	118.0	132.9	0.0517	40	0.0508	1	
	517	d+0	L	45x	4	1M16/1	118.0	250	0.0741	44	0.0285	2.00	
		vr		52		8.8	118.0	132.9	0.0033	60	0.0506	1	
	518	d+0	L	35x	4	1M12/1	166.9	250	0.0020	59	0.0030	2.00	
		rv		52		8.8	83.4	121.7	0.0039	53	0.0040	1	
	519	d+0	L	35x	4	1M12/1	166.9	250	0.0005	53	0.0038	2.00	
		rv		52		8.8	83.4	121.7	0.0050	59	0.0050	1	
	520	d4	L	100x10		6M20/1	59.0	200	0.7343	39	0.5277	2.00	
		ru		52		8.8	88.5	45.0	0.6231	44	0.4681	2	
	521	d4	L	100x10		6M20/1	59.0	200	0.7316	39	0.5257	2.00	
		ru		52		8.8	88.5	45.0	0.5952	44	0.4664	2	
	522	d4	L	100x10		6M20/1	59.0	200	0.7075	39	0.5085	2.00	
		ru		52		8.8	88.5	45.0	0.5959	44	0.4510	2	

	523	d4	L 100x10	6M20/1	59.0	200	0.7036	39	0.5057	2.00	
		ru	52	8.8	88.5	45.0	0.5658	44	0.4486	2	
+											
	524	d4	L 100x10	6M20/1	59.0	200	0.6769	39	0.4864	2.00	
		ru	52	8.8	88.5	45.0	0.5660	44	0.4315	2	
+											
	525	d4	L 100x10	6M20/1	59.0	200	0.6727	39	0.4834	2.00	
		ru	52	8.8	88.5	45.0	0.5335	44	0.4288	2	
+											
	526	d4	L 100x10	6M20/1	59.0	200	0.6427	39	0.4619	2.00	
		ru	52	8.8	88.5	45.0	0.5339	44	0.4097	2	
+											
	527	d4	L 100x10	6M20/1	59.0	200	0.6383	39	0.4587	2.00	
		ru	52	8.8	88.5	45.0	0.4985	44	0.4069	2	
+											
	528	d4	L 100x10	6M20/1	59.0	200	0.6046	39	0.4345	2.00	
		ru	52	8.8	88.5	45.0	0.4982	44	0.3854	2	
+											
	529	d4	L 100x10	6M20/1	59.0	200	0.5981	39	0.4298	2.00	
		ru	52	8.8	88.5	45.0	0.4589	44	0.3813	2	
+											
	530	d4	L 100x10	6M20/1	59.0	200	0.7855	44	0.5645	2.00	
		ru	52	8.8	88.5	45.0	0.5696	40	0.5008	2	
+											
	531	d4	L 100x10	6M20/1	59.0	200	0.7858	44	0.5647	2.00	
		ru	52	8.8	88.5	45.0	0.5455	40	0.5009	2	
+											
	532	d4	L 100x10	6M20/1	59.0	200	0.7513	44	0.5399	2.00	
		ru	52	8.8	88.5	45.0	0.5488	40	0.4789	2	
+											
	533	d4	L 100x10	6M20/1	59.0	200	0.7507	44	0.5395	2.00	
		ru	52	8.8	88.5	45.0	0.5220	40	0.4786	2	
+											
	534	d4	L 100x10	6M20/1	59.0	200	0.7136	44	0.5129	2.00	
		ru	52	8.8	88.5	45.0	0.5253	40	0.4549	2	
+											
	535	d4	L 100x10	6M20/1	59.0	200	0.7131	44	0.5125	2.00	
		ru	52	8.8	88.5	45.0	0.4952	40	0.4546	2	
+											
	536	d4	L 100x10	6M20/1	59.0	200	0.6729	44	0.4836	2.00	
		ru	52	8.8	88.5	45.0	0.4990	40	0.4289	2	
+											
	537	d4	L 100x10	6M20/1	59.0	200	0.6725	44	0.4833	2.00	
		ru	52	8.8	88.5	45.0	0.4652	40	0.4287	2	
+											
	538	d4	L 100x10	6M20/1	59.0	200	0.6287	44	0.4518	2.00	
		ru	52	8.8	88.5	45.0	0.4688	40	0.4008	2	
+											
	539	d4	L 100x10	6M20/1	59.0	200	0.6268	44	0.4505	2.00	
		ru	52	8.8	88.5	45.0	0.4303	40	0.3996	2	
+											
	540	d4	L 100x10	6M20/1	59.0	200	0.8019	44	0.5763	2.00	
		ru	52	8.8	88.5	45.0	0.5562	39	0.5112	2	
+											
	541	d4	L 100x10	6M20/1	59.0	200	0.7687	44	0.5525	2.00	
		ru	52	8.8	88.5	45.0	0.5596	39	0.4901	2	
+											
	542	d4	L 100x10	6M20/1	59.0	200	0.7689	44	0.5525	2.00	
		ru	52	8.8	88.5	45.0	0.5340	39	0.4901	2	
+											
	543	d4	L 100x10	6M20/1	59.0	200	0.7333	44	0.5270	2.00	
		ru	52	8.8	88.5	45.0	0.5370	39	0.4674	2	

544	d4	L 100x10	6M20/1	59.0	200	0.7328	44	0.5266	2.00
ru		52	8.8	88.5	45.0	0.5085	39	0.4671	2
545	d4	L 100x10	6M20/1	59.0	200	0.6943	44	0.4990	2.00
ru		52	8.8	88.5	45.0	0.5119	39	0.4426	2
546	d4	L 100x10	6M20/1	59.0	200	0.6942	44	0.4989	2.00
ru		52	8.8	88.5	45.0	0.4798	39	0.4425	2
547	d4	L 100x10	6M20/1	59.0	200	0.6523	44	0.4688	2.00
ru		52	8.8	88.5	45.0	0.4837	39	0.4159	2
548	d4	L 100x10	6M20/1	59.0	200	0.6514	44	0.4681	2.00
ru		52	8.8	88.5	45.0	0.4476	39	0.4152	2
549	d4	L 100x10	6M20/1	59.0	200	0.6081	40	0.4370	2.00
ru		52	8.8	88.5	45.0	0.4508	39	0.3877	2
550	d4	L 100x10	6M20/1	59.0	200	0.7442	40	0.5348	2.00
ru		52	8.8	88.5	45.0	0.6089	44	0.4744	2
551	d4	L 100x10	6M20/1	59.0	200	0.7212	40	0.5183	2.00
ru		52	8.8	88.5	45.0	0.6099	44	0.4598	2
552	d4	L 100x10	6M20/1	59.0	200	0.7179	40	0.5159	2.00
ru		52	8.8	88.5	45.0	0.5811	44	0.4576	2
553	d4	L 100x10	6M20/1	59.0	200	0.6924	40	0.4976	2.00
ru		52	8.8	88.5	45.0	0.5814	44	0.4414	2
554	d4	L 100x10	6M20/1	59.0	200	0.6881	40	0.4945	2.00
ru		52	8.8	88.5	45.0	0.5503	44	0.4387	2
555	d4	L 100x10	6M20/1	59.0	200	0.6597	40	0.4741	2.00
ru		52	8.8	88.5	45.0	0.5507	44	0.4205	2
556	d4	L 100x10	6M20/1	59.0	200	0.6553	40	0.4709	2.00
ru		52	8.8	88.5	45.0	0.5169	44	0.4177	2
557	d4	L 100x10	6M20/1	59.0	200	0.6234	40	0.4480	2.00
ru		52	8.8	88.5	45.0	0.5174	44	0.3974	2
558	d4	L 100x10	6M20/1	59.0	200	0.6176	40	0.4439	2.00
ru		52	8.8	88.5	45.0	0.4805	44	0.3937	2
559	d4	L 100x10	6M20/1	59.0	200	0.5811	40	0.4176	2.00
ru		52	8.8	88.5	45.0	0.4799	44	0.3704	2
560	d+0	L 100x10	6M20/1	59.0	200	0.8405	39	0.6162	2.00
ru		52	8.8	88.5	45.0	0.7383	44	0.5466	2
561	d+0	L 100x10	6M20/1	59.0	200	0.8385	39	0.6026	2.00
ru		52	8.8	88.5	45.0	0.7174	44	0.5345	2
562	d+0	L 100x10	6M20/1	59.0	200	0.8232	39	0.5993	2.00
ru		52	8.8	88.5	45.0	0.7180	44	0.5316	2
563	d+0	L 100x10	6M20/1	59.0	200	0.8206	39	0.5897	2.00
ru		52	8.8	88.5	45.0	0.6960	44	0.5231	2
564	d+0	L 100x10	6M20/1	59.0	200	0.8039	39	0.5811	2.00

	ru		52	8.8	88.5	45.0	0.6963	44	0.5155	2
565	d+0	L 100x10	6M20/1	59.0	200	0.8011	39	0.5757	2.00	
	ru		52	8.8	88.5	45.0	0.6730	44	0.5107	2
566	d+0	L 100x10	6M20/1	59.0	200	0.7830	39	0.5627	2.00	
	ru		52	8.8	88.5	45.0	0.6735	44	0.4991	2
567	d+0	L 100x10	6M20/1	59.0	200	0.7801	39	0.5606	2.00	
	ru		52	8.8	88.5	45.0	0.6489	44	0.4973	2
568	d+0	L 100x10	6M20/1	59.0	200	0.7602	39	0.5463	2.00	
	ru		52	8.8	88.5	45.0	0.6489	44	0.4846	2
569	d+0	L 100x10	6M20/1	59.0	200	0.7562	39	0.5434	2.00	
	ru		52	8.8	88.5	45.0	0.6227	44	0.4820	2
570	d+0	L 100x10	6M20/1	59.0	200	0.9325	44	0.6702	2.00	
	ru		52	8.8	88.5	45.0	0.6491	40	0.5945	2
571	d+0	L 100x10	6M20/1	59.0	200	0.9326	44	0.6702	2.00	
	ru		52	8.8	88.5	45.0	0.6340	40	0.5945	2
572	d+0	L 100x10	6M20/1	59.0	200	0.9067	44	0.6516	2.00	
	ru		52	8.8	88.5	45.0	0.6362	40	0.5780	2
573	d+0	L 100x10	6M20/1	59.0	200	0.9062	44	0.6512	2.00	
	ru		52	8.8	88.5	45.0	0.6197	40	0.5776	2
574	d+0	L 100x10	6M20/1	59.0	200	0.8790	44	0.6317	2.00	
	ru		52	8.8	88.5	45.0	0.6218	40	0.5603	2
575	d+0	L 100x10	6M20/1	59.0	200	0.8785	44	0.6313	2.00	
	ru		52	8.8	88.5	45.0	0.6038	40	0.5600	2
576	d+0	L 100x10	6M20/1	59.0	200	0.8498	44	0.6107	2.00	
	ru		52	8.8	88.5	45.0	0.6062	40	0.5417	2
577	d+0	L 100x10	6M20/1	59.0	200	0.8495	44	0.6105	2.00	
	ru		52	8.8	88.5	45.0	0.5864	40	0.5415	2
578	d+0	L 100x10	6M20/1	59.0	200	0.8191	44	0.5887	2.00	
	ru		52	8.8	88.5	45.0	0.5886	40	0.5222	2
579	d+0	L 100x10	6M20/1	59.0	200	0.8178	44	0.5877	2.00	
	ru		52	8.8	88.5	45.0	0.5668	40	0.5213	2
580	d+0	L 100x10	6M20/1	59.0	200	0.9450	44	0.6791	2.00	
	ru		52	8.8	88.5	45.0	0.6405	39	0.6024	2
581	d+0	L 100x10	6M20/1	59.0	200	0.9197	44	0.6610	2.00	
	ru		52	8.8	88.5	45.0	0.6429	39	0.5863	2
582	d+0	L 100x10	6M20/1	59.0	200	0.9196	44	0.6609	2.00	
	ru		52	8.8	88.5	45.0	0.6271	39	0.5862	2
583	d+0	L 100x10	6M20/1	59.0	200	0.8930	44	0.6418	2.00	
	ru		52	8.8	88.5	45.0	0.6291	39	0.5693	2
584	d+0	L 100x10	6M20/1	59.0	200	0.8925	44	0.6414	2.00	
	ru		52	8.8	88.5	45.0	0.6119	39	0.5689	2

	585	d+0	L	100x10	6M20/1	59.0	200	0.8645	44	0.6213	2.00	
		ru		52	8.8	88.5	45.0	0.6142	39	0.5511	2	
+												+
	586	d+0	L	100x10	6M20/1	59.0	200	0.8642	44	0.6211	2.00	
		ru		52	8.8	88.5	45.0	0.5953	39	0.5509	2	
+												+
	587	d+0	L	100x10	6M20/1	59.0	200	0.8347	44	0.5999	2.00	
		ru		52	8.8	88.5	45.0	0.5978	39	0.5321	2	
+												+
	588	d+0	L	100x10	6M20/1	59.0	200	0.8338	44	0.5992	2.00	
		ru		52	8.8	88.5	45.0	0.5770	39	0.5316	2	
+												+
	589	d+0	L	100x10	6M20/1	59.0	200	0.8025	44	0.5767	2.00	
		ru		52	8.8	88.5	45.0	0.5790	39	0.5116	2	
+												+
	590	d+0	L	100x10	6M20/1	59.0	200	0.8467	40	0.6085	2.00	
		ru		52	8.8	88.5	45.0	0.7276	44	0.5398	2	
+												+
	591	d+0	L	100x10	6M20/1	59.0	200	0.8320	40	0.6079	2.00	
		ru		52	8.8	88.5	45.0	0.7284	44	0.5392	2	
+												+
	592	d+0	L	100x10	6M20/1	59.0	200	0.8298	40	0.5964	2.00	
		ru		52	8.8	88.5	45.0	0.7068	44	0.5290	2	
+												+
	593	d+0	L	100x10	6M20/1	59.0	200	0.8139	40	0.5902	2.00	
		ru		52	8.8	88.5	45.0	0.7072	44	0.5235	2	
+												+
	594	d+0	L	100x10	6M20/1	59.0	200	0.8111	40	0.5829	2.00	
		ru		52	8.8	88.5	45.0	0.6845	44	0.5171	2	
+												+
	595	d+0	L	100x10	6M20/1	59.0	200	0.7938	40	0.5716	2.00	
		ru		52	8.8	88.5	45.0	0.6849	44	0.5071	2	
+												+
	596	d+0	L	100x10	6M20/1	59.0	200	0.7910	40	0.5685	2.00	
		ru		52	8.8	88.5	45.0	0.6610	44	0.5043	2	
+												+
	597	d+0	L	100x10	6M20/1	59.0	200	0.7721	40	0.5548	2.00	
		ru		52	8.8	88.5	45.0	0.6614	44	0.4922	2	
+												+
	598	d+0	L	100x10	6M20/1	59.0	200	0.7686	40	0.5523	2.00	
		ru		52	8.8	88.5	45.0	0.6360	44	0.4899	2	
+												+
	599	d+0	L	100x10	6M20/1	59.0	200	0.7477	40	0.5374	2.00	
		ru		52	8.8	88.5	45.0	0.6357	44	0.4767	2	
+												+
	600	d4	L	60x 6	1M20/1	107.6	250	0.4128	57	0.3584	2.00	
		hd		52	8.8	107.6	91.2	0.4956	58	0.5298	1	
+												+
	601	d4	L	60x 6	1M20/1	110.1	250	0.4112	58	0.3433	2.00	
		hd		52	8.8	110.1	93.3	0.4748	57	0.5076	1	
+												+
	602	d4	L	60x 6	1M20/1	112.6	250	0.4096	57	0.3303	2.00	
		hd		52	8.8	112.6	95.5	0.4553	58	0.4883	1	
+												+
	603	d4	L	60x 6	1M20/1	115.1	250	0.4055	58	0.3173	2.00	
		hd		52	8.8	115.1	97.6	0.4388	57	0.4691	1	
+												+
	604	d4	L	60x 6	1M20/1	117.6	250	0.4027	57	0.3056	2.00	
		hd		52	8.8	117.6	99.7	0.4226	58	0.4519	1	
+												+
	605	d4	L	60x 6	1M20/1	120.2	250	0.4005	58	0.2953	2.00	
		hd		52	8.8	120.2	101.9	0.4083	57	0.4365	1	

606	d4	L	60x	6	1M20/1	122.8	250	0.4001	57	0.2853	2.00
	hd		52		8.8	122.8	104.1	0.3939	58	0.4219	1
607	d4	L	60x	6	1M20/1	125.4	250	0.3991	58	0.2760	2.00
	hd		52		8.8	125.4	106.3	0.3812	57	0.4081	1
608	d4	L	60x	6	1M20/1	128.0	250	0.3977	57	0.2673	2.00
	hd		52		8.8	128.0	108.5	0.3697	58	0.3952	1
609	d4	L	60x	6	1M20/1	130.6	250	0.3942	58	0.2610	2.00
	hd		52		8.8	130.6	110.7	0.3610	57	0.3859	1
610	d+0	L	60x	6	1M16/1	133.3	250	0.3955	57	0.3950	2.00
	hd		52		8.8	133.3	113.0	0.3103	58	0.4672	1
611	d+0	L	60x	6	1M16/1	135.9	250	0.3973	58	0.3828	2.00
	hd		52		8.8	135.9	115.2	0.3006	57	0.4527	1
612	d+0	L	60x	6	1M16/1	138.6	250	0.4011	57	0.3722	2.00
	hd		52		8.8	138.6	117.5	0.2904	58	0.4402	1
613	d+0	L	60x	6	1M16/1	141.2	250	0.4001	58	0.3614	2.00
	hd		52		8.8	141.2	119.7	0.2838	57	0.4274	1
614	d+0	L	60x	6	1M16/1	143.9	250	0.4024	57	0.3519	2.00
	hd		52		8.8	143.9	122.0	0.2757	58	0.4162	1
615	d+0	L	60x	6	1M16/1	146.6	250	0.4026	58	0.3432	2.00
	hd		52		8.8	146.6	124.3	0.2695	57	0.4059	1
616	d+0	L	60x	6	1M16/1	149.3	250	0.4062	57	0.3348	2.00
	hd		52		8.8	149.3	126.6	0.2617	58	0.3959	1
617	d+0	L	60x	6	1M16/1	152.0	250	0.4071	58	0.3260	2.00
	hd		52		8.8	152.0	128.9	0.2561	57	0.3856	1
618	d+0	L	60x	6	1M16/1	154.8	250	0.4093	57	0.3180	2.00
	hd		52		8.8	154.8	131.2	0.2498	58	0.3762	1
619	d+0	L	60x	6	1M16/1	157.5	250	0.4064	51	0.3134	2.00
	hd		52		8.8	157.5	133.5	0.2461	57	0.3706	1
620	d4	L	60x	6	1M20/1	107.6	250	0.4760	52	0.4080	2.00
	hd		52		8.8	107.6	91.2	0.5617	58	0.6031	1
621	d4	L	60x	6	1M20/1	110.1	250	0.4697	58	0.3910	2.00
	hd		52		8.8	110.1	93.3	0.5406	52	0.5780	1
622	d4	L	60x	6	1M20/1	112.6	250	0.4668	52	0.3764	2.00
	hd		52		8.8	112.6	95.5	0.5194	58	0.5564	1
623	d4	L	60x	6	1M20/1	115.1	250	0.4622	58	0.3622	2.00
	hd		52		8.8	115.1	97.6	0.5008	52	0.5355	1
624	d4	L	60x	6	1M20/1	117.6	250	0.4599	52	0.3491	2.00
	hd		52		8.8	117.6	99.7	0.4815	58	0.5160	1
625	d4	L	60x	6	1M20/1	120.2	250	0.4570	58	0.3367	2.00
	hd		52		8.8	120.2	101.9	0.4656	52	0.4978	1
626	d4	L	60x	6	1M20/1	122.8	250	0.4564	52	0.3255	2.00

	hd		52		8.8	122.8	104.1	0.4492	58	0.4813	1	
+												+
	627	d4	L	60x 6	1M20/1	125.4	250	0.4544	58	0.3149	2.00	
		hd		52	8.8	125.4	106.3	0.4355	52	0.4656	1	
+												+
	628	d4	L	60x 6	1M20/1	128.0	250	0.4547	52	0.3050	2.00	
		hd		52	8.8	128.0	108.5	0.4206	58	0.4510	1	
+												+
	629	d4	L	60x 6	1M20/1	130.6	250	0.4538	58	0.2953	2.00	
		hd		52	8.8	130.6	110.7	0.4079	52	0.4366	1	
+												+
	630	d+0	L	60x 6	1M16/1	133.3	250	0.4548	52	0.4482	2.00	
		hd		52	8.8	133.3	113.0	0.3509	58	0.5301	1	
+												+
	631	d+0	L	60x 6	1M16/1	135.9	250	0.4549	58	0.4352	2.00	
		hd		52	8.8	135.9	115.2	0.3414	52	0.5147	1	
+												+
	632	d+0	L	60x 6	1M16/1	138.6	250	0.4559	52	0.4231	2.00	
		hd		52	8.8	138.6	117.5	0.3323	58	0.5004	1	
+												+
	633	d+0	L	60x 6	1M16/1	141.2	250	0.4569	58	0.4117	2.00	
		hd		52	8.8	141.2	119.7	0.3232	52	0.4869	1	
+												+
	634	d+0	L	60x 6	1M16/1	143.9	250	0.4584	52	0.4008	2.00	
		hd		52	8.8	143.9	122.0	0.3147	58	0.4741	1	
+												+
	635	d+0	L	60x 6	1M16/1	146.6	250	0.4602	58	0.3906	2.00	
		hd		52	8.8	146.6	124.3	0.3066	52	0.4620	1	
+												+
	636	d+0	L	60x 6	1M16/1	149.3	250	0.4621	52	0.3809	2.00	
		hd		52	8.8	149.3	126.6	0.2991	58	0.4505	1	
+												+
	637	d+0	L	60x 6	1M16/1	152.0	250	0.4643	58	0.3717	2.00	
		hd		52	8.8	152.0	128.9	0.2919	52	0.4396	1	
+												+
	638	d+0	L	60x 6	1M16/1	154.8	250	0.4669	52	0.3628	2.00	
		hd		52	8.8	154.8	131.2	0.2847	58	0.4291	1	
+												+
	639	d+0	L	60x 6	1M16/1	157.5	250	0.4690	58	0.3542	2.00	
		hd		52	8.8	157.5	133.5	0.2771	52	0.4189	1	
+												+
	640	d4	L	60x 6	1M20/1	107.6	250	0.4115	52	0.3595	2.00	
		hd		52	8.8	107.6	91.2	0.4971	51	0.5315	1	
+												+
	641	d4	L	60x 6	1M20/1	110.1	250	0.4126	51	0.3429	2.00	
		hd		52	8.8	110.1	93.3	0.4732	52	0.5070	1	
+												+
	642	d4	L	60x 6	1M20/1	112.6	250	0.4082	52	0.3303	2.00	
		hd		52	8.8	112.6	95.5	0.4568	51	0.4883	1	
+												+
	643	d4	L	60x 6	1M20/1	115.1	250	0.4068	51	0.3182	2.00	
		hd		52	8.8	115.1	97.6	0.4373	52	0.4704	1	
+												+
	644	d4	L	60x 6	1M20/1	117.6	250	0.4014	52	0.3066	2.00	
		hd		52	8.8	117.6	99.7	0.4240	51	0.4533	1	
+												+
	645	d4	L	60x 6	1M20/1	120.2	250	0.4018	51	0.2956	2.00	
		hd		52	8.8	120.2	101.9	0.4070	52	0.4371	1	
+												+
	646	d4	L	60x 6	1M20/1	122.8	250	0.3988	52	0.2857	2.00	
		hd		52	8.8	122.8	104.1	0.3951	51	0.4224	1	
+												+

	647	d4	L	60x 6	1M20/1	125.4	250	0.4004	51	0.2769	2.00	
		hd		52	8.8	125.4	106.3	0.3799	52	0.4094	1	
+												+
	648	d4	L	60x 6	1M20/1	128.0	250	0.3964	52	0.2682	2.00	
		hd		52	8.8	128.0	108.5	0.3709	51	0.3965	1	
+												+
	649	d4	L	60x 6	1M20/1	130.6	250	0.3955	51	0.2602	2.00	
		hd		52	8.8	130.6	110.7	0.3598	52	0.3847	1	
+												+
	650	d+0	L	60x 6	1M16/1	133.3	250	0.3942	52	0.3963	2.00	
		hd		52	8.8	133.3	113.0	0.3113	51	0.4687	1	
+												+
	651	d+0	L	60x 6	1M16/1	135.9	250	0.3986	51	0.3815	2.00	
		hd		52	8.8	135.9	115.2	0.2997	52	0.4513	1	
+												+
	652	d+0	L	60x 6	1M16/1	138.6	250	0.3999	52	0.3710	2.00	
		hd		52	8.8	138.6	117.5	0.2914	51	0.4388	1	
+												+
	653	d+0	L	60x 6	1M16/1	141.2	250	0.4014	51	0.3617	2.00	
		hd		52	8.8	141.2	119.7	0.2829	52	0.4278	1	
+												+
	654	d+0	L	60x 6	1M16/1	143.9	250	0.4011	52	0.3521	2.00	
		hd		52	8.8	143.9	122.0	0.2765	51	0.4164	1	
+												+
	655	d+0	L	60x 6	1M16/1	146.6	250	0.4039	51	0.3428	2.00	
		hd		52	8.8	146.6	124.3	0.2687	52	0.4055	1	
+												+
	656	d+0	L	60x 6	1M16/1	149.3	250	0.4049	52	0.3343	2.00	
		hd		52	8.8	149.3	126.6	0.2626	51	0.3954	1	
+												+
	657	d+0	L	60x 6	1M16/1	152.0	250	0.4084	51	0.3270	2.00	
		hd		52	8.8	152.0	128.9	0.2552	52	0.3867	1	
+												+
	658	d+0	L	60x 6	1M16/1	154.8	250	0.4080	52	0.3190	2.00	
		hd		52	8.8	154.8	131.2	0.2506	51	0.3773	1	
+												+
	659	d+0	L	60x 6	1M16/1	157.5	250	0.4077	58	0.3124	2.00	
		hd		52	8.8	157.5	133.5	0.2454	52	0.3694	1	
+												+
	660	d4	L	60x 6	1M20/1	107.6	250	0.4759	57	0.4078	2.00	
		hd		52	8.8	107.6	91.2	0.5618	51	0.6029	1	
+												+
	661	d4	L	60x 6	1M20/1	110.1	250	0.4697	51	0.3910	2.00	
		hd		52	8.8	110.1	93.3	0.5406	57	0.5780	1	
+												+
	662	d4	L	60x 6	1M20/1	112.6	250	0.4668	57	0.3764	2.00	
		hd		52	8.8	112.6	95.5	0.5195	51	0.5564	1	
+												+
	663	d4	L	60x 6	1M20/1	115.1	250	0.4622	51	0.3622	2.00	
		hd		52	8.8	115.1	97.6	0.5008	57	0.5354	1	
+												+
	664	d4	L	60x 6	1M20/1	117.6	250	0.4598	57	0.3490	2.00	
		hd		52	8.8	117.6	99.7	0.4815	51	0.5160	1	
+												+
	665	d4	L	60x 6	1M20/1	120.2	250	0.4570	51	0.3367	2.00	
		hd		52	8.8	120.2	101.9	0.4656	57	0.4978	1	
+												+
	666	d4	L	60x 6	1M20/1	122.8	250	0.4564	57	0.3255	2.00	
		hd		52	8.8	122.8	104.1	0.4492	51	0.4812	1	
+												+
	667	d4	L	60x 6	1M20/1	125.4	250	0.4545	51	0.3149	2.00	
		hd		52	8.8	125.4	106.3	0.4355	57	0.4655	1	

668	d4	L	60x 6	1M20/1	128.0	250	0.4547	57	0.3050	2.00
	hd		52	8.8	128.0	108.5	0.4207	51	0.4509	1
669	d4	L	60x 6	1M20/1	130.6	250	0.4538	51	0.2953	2.00
	hd		52	8.8	130.6	110.7	0.4079	57	0.4366	1
670	d+0	L	60x 6	1M16/1	133.3	250	0.4547	57	0.4481	2.00
	hd		52	8.8	133.3	113.0	0.3510	51	0.5300	1
671	d+0	L	60x 6	1M16/1	135.9	250	0.4549	51	0.4352	2.00
	hd		52	8.8	135.9	115.2	0.3414	57	0.5148	1
672	d+0	L	60x 6	1M16/1	138.6	250	0.4559	57	0.4231	2.00
	hd		52	8.8	138.6	117.5	0.3323	51	0.5004	1
673	d+0	L	60x 6	1M16/1	141.2	250	0.4569	51	0.4117	2.00
	hd		52	8.8	141.2	119.7	0.3232	57	0.4869	1
674	d+0	L	60x 6	1M16/1	143.9	250	0.4584	57	0.4008	2.00
	hd		52	8.8	143.9	122.0	0.3147	51	0.4740	1
675	d+0	L	60x 6	1M16/1	146.6	250	0.4603	51	0.3907	2.00
	hd		52	8.8	146.6	124.3	0.3066	57	0.4620	1
676	d+0	L	60x 6	1M16/1	149.3	250	0.4621	57	0.3809	2.00
	hd		52	8.8	149.3	126.6	0.2991	51	0.4505	1
677	d+0	L	60x 6	1M16/1	152.0	250	0.4644	51	0.3717	2.00
	hd		52	8.8	152.0	128.9	0.2919	57	0.4397	1
678	d+0	L	60x 6	1M16/1	154.8	250	0.4669	57	0.3628	2.00
	hd		52	8.8	154.8	131.2	0.2847	51	0.4291	1
679	d+0	L	60x 6	1M16/1	157.5	250	0.4690	51	0.3542	2.00
	hd		52	8.8	157.5	133.5	0.2771	57	0.4189	1
680	d+9	L	45x 4	1M16/1	162.3	250	0.0817	40	0.0196	2.00
	vr		52	8.8	162.3	182.8	0.0353	39	0.0347	1
681	d+9	L	45x 4	1M16/1	162.3	250	0.0022	52	0.0226	2.00
	vr		52	8.8	162.3	182.8	0.0407	44	0.0401	1
682	d+9	L	45x 4	1M16/1	162.3	250	0.0820	39	0.0197	2.00
	vr		52	8.8	162.3	182.8	0.0355	40	0.0349	1
683	d+9	L	45x 4	1M16/1	162.3	250	0.0935	44	0.0208	2.00
	vr		52	8.8	162.3	182.8	0.0026	58	0.0369	1
684	d+3	L	100x12	6M20/1	73.8	200	0.8180	39	0.6158	2.00
	ru		52	8.8	110.7	56.7	0.6244	44	0.4552	2
685	d+3	L	100x12	6M20/1	73.8	200	0.8213	39	0.6367	2.00
	ru		52	8.8	110.7	56.7	0.6456	44	0.4707	2
686	d+3	L	100x12	6M20/1	73.8	200	0.8367	39	0.6364	2.00
	ru		52	8.8	110.7	56.7	0.6452	44	0.4704	2
687	d+3	L	100x12	6M20/1	73.8	200	0.8388	39	0.6561	2.00
	ru		52	8.8	110.7	56.7	0.6652	44	0.4850	2
688	d+3	L	100x12	6M20/1	73.8	200	0.9174	44	0.6903	2.00

	ru		52	8.8	110.7	56.7	0.5474	40	0.5102	2	
+											
	689	d+3	L	100x12	6M20/1	73.8	200	0.9187	44	0.6912	2.00
		ru		52	8.8	110.7	56.7	0.5620	40	0.5109	2
+											
	690	d+3	L	100x12	6M20/1	73.8	200	0.9468	44	0.7124	2.00
		ru		52	8.8	110.7	56.7	0.5601	40	0.5266	2
+											
	691	d+3	L	100x12	6M20/1	73.8	200	0.9469	44	0.7124	2.00
		ru		52	8.8	110.7	56.7	0.5734	40	0.5266	2
+											
	692	d+3	L	100x12	6M20/1	73.8	200	0.9034	44	0.6797	2.00
		ru		52	8.8	110.7	56.7	0.5556	39	0.5024	2
+											
	693	d+3	L	100x12	6M20/1	73.8	200	0.9323	44	0.7015	2.00
		ru		52	8.8	110.7	56.7	0.5541	39	0.5185	2
+											
	694	d+3	L	100x12	6M20/1	73.8	200	0.9329	44	0.7019	2.00
		ru		52	8.8	110.7	56.7	0.5680	39	0.5189	2
+											
	695	d+3	L	100x12	6M20/1	73.8	200	0.9604	44	0.7226	2.00
		ru		52	8.8	110.7	56.7	0.5658	39	0.5341	2
+											
	696	d+3	L	100x12	6M20/1	73.8	200	0.8115	40	0.6264	2.00
		ru		52	8.8	110.7	56.7	0.6351	44	0.4630	2
+											
	697	d+3	L	100x12	6M20/1	73.8	200	0.8277	40	0.6264	2.00
		ru		52	8.8	110.7	56.7	0.6351	44	0.4630	2
+											
	698	d+3	L	100x12	6M20/1	73.8	200	0.8303	40	0.6467	2.00
		ru		52	8.8	110.7	56.7	0.6557	44	0.4780	2
+											
	699	d+3	L	100x12	6M20/1	73.8	200	0.8450	40	0.6459	2.00
		ru		52	8.8	110.7	56.7	0.6549	44	0.4775	2
+											
	700	d+3	L	35x 4	1M12/1	208.6	250	0.0018	36	0.0020	2.00
		rv		52	8.8	104.3	152.1	0.0026	57	0.0026	1
+											
	701	d+3	L	35x 4	1M12/1	208.6	250	0.0019	36	0.0019	2.00
		rv		52	8.8	104.3	152.1	0.0025	52	0.0025	1
+											
	702	d+3	L	60x 6	1M16/1	166.6	250	0.4558	57	0.3168	2.00
		hd		52	8.8	166.6	141.2	0.2488	58	0.3747	1
+											
	703	d+3	L	60x 6	1M16/1	169.9	250	0.4587	58	0.3063	2.00
		hd		52	8.8	169.9	144.0	0.2406	57	0.3622	1
+											
	704	d+3	L	60x 6	1M16/1	173.2	250	0.4624	57	0.2978	2.00
		hd		52	8.8	173.2	146.8	0.2331	58	0.3522	1
+											
	705	d+3	L	60x 6	1M16/1	176.6	250	0.4612	58	0.2921	2.00
		hd		52	8.8	176.6	149.7	0.2294	57	0.3455	1
+											
	706	d+3	L	60x 6	1M16/1	166.6	250	0.5233	52	0.3599	2.00
		hd		52	8.8	166.6	141.2	0.2818	58	0.4256	1
+											
	707	d+3	L	60x 6	1M16/1	169.9	250	0.5241	58	0.3487	2.00
		hd		52	8.8	169.9	144.0	0.2737	52	0.4125	1
+											
	708	d+3	L	60x 6	1M16/1	173.2	250	0.5266	52	0.3391	2.00
		hd		52	8.8	173.2	146.8	0.2662	58	0.4011	1
+											

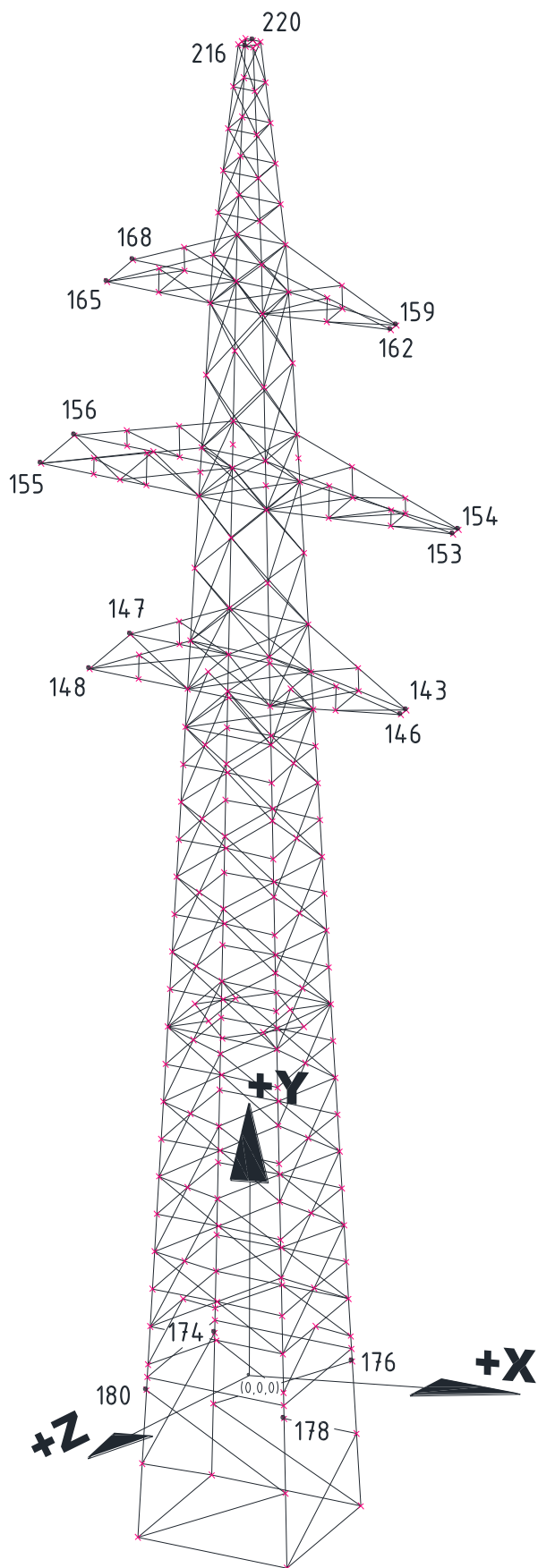
	709	d+3	L	60x 6	1M16/1	176.6	250	0.5311	58	0.3309	2.00	
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+												
	710	d+3	L	60x 6	1M16/1	166.6	250	0.4543	52	0.3178	2.00	
		hd		52	8.8	166.6	141.2	0.2496	51	0.3759	1	
+												
	711	d+3	L	60x 6	1M16/1	169.9	250	0.4602	51	0.3062	2.00	
		hd		52	8.8	169.9	144.0	0.2398	52	0.3621	1	
+												
	712	d+3	L	60x 6	1M16/1	173.2	250	0.4610	52	0.2977	2.00	
		hd		52	8.8	173.2	146.8	0.2339	51	0.3521	1	
+												
	713	d+3	L	60x 6	1M16/1	176.6	250	0.4627	51	0.2912	2.00	
		hd		52	8.8	176.6	149.7	0.2287	52	0.3444	1	
+												
	714	d+3	L	60x 6	1M16/1	166.6	250	0.5232	57	0.3598	2.00	
		hd		52	8.8	166.6	141.2	0.2818	51	0.4256	1	
+												
	715	d+3	L	60x 6	1M16/1	169.9	250	0.5242	51	0.3488	2.00	
		hd		52	8.8	169.9	144.0	0.2737	57	0.4125	1	
+												
	716	d+3	L	60x 6	1M16/1	173.2	250	0.5265	57	0.3391	2.00	
		hd		52	8.8	173.2	146.8	0.2662	51	0.4011	1	
+												
	717	d+3	L	60x 6	1M16/1	176.6	250	0.5310	51	0.3309	2.00	
		hd		52	8.8	176.6	149.7	0.2591	57	0.3913	1	
+												
	718	d3	L	35x 4	1M12/1	125.2	250	0.0315	53	0.0288	2.00	
		rv		52	8.8	62.6	91.3	0.0280	52	0.0384	1	
+												
	719	d3	L	35x 4	1M12/1	125.2	250	0.0199	52	0.0306	2.00	
		rv		52	8.8	62.6	91.3	0.0400	53	0.0407	1	
+												

END

5. Přehledná tabulka hmotností stožáru U11+9

Nazov dielca	Hmotnost [kg]	Nater [m2]
Dielec sp	167.4	6.9
Dielec lhk	72.2	3.4
Dielec phk	72.2	3.4
Dielec lsk	99.3	4.6
Dielec psk	99.3	4.6
Dielec ldk	71.6	3.4
Dielec pdk	71.6	3.4
Dielec d1	263.5	9.4
Dielec d2	297.7	10.7
Dielec d3	692.5	22.0
Dielec d4	810.5	22.7
Dielec d+0	856.3	25.3
Dielec d+3	494.6	13.6
Dielec d+9	1044.1	29.8
Dielec zd9	159.6	8.0
Dielec ru9	457.8	7.7
Stožiar U11+9		
celkom	5730.1	178.9

1. Souřadnicový systém a působišť sil V30+0



2. Základní statické parametry pro výpočet V30+0

UDAJE, TYKAJUČE SA PODPERNEHO BODU

Identifikačný text :typ_V30+0
 Funkcia stožiara :RV
 Uroveň spoľahlivosti :1
 Kategória terenu :II - nízka vegetácia, domy, vzd. aspoň 20x výška, z0= 0.05
 Základná rýchlosť vetra:27.5 m/s
 Počet posobísk ZL :0
 Počet posobísk KZL :2
 Počet posobísk FAZ :12
 Počet posobísk SOK :0
 Počet posobísk LANO :0
 Celkový počet posobísk :14

Parciálne faktory : Extremný vietor = 1.00
 Extremná namraza = 1.00
 Montážne stavy = 1.50
 Suc. kombinácie tlak vetra na stožiar ZS 3a = 0.50
 Redukčný suc. tlak vetra na izolátor ZS 3a = 0.50
 Redukčný súčiniteľ namrazy pre ZS 2b :alfa = 0.50
 ZS 2c :alfa1 = 0.30
 alfa2 = 0.70
 ZS 2d :alfa3 = 0.30
 alfa4 = 0.70
 ZS 5a :alfa_SL = 0.40
 ZS 5c :alfa_SL = 0.50
 Uvažovať ZS 2b ... priečny ohyb :nie
 Uvažovať ZS 2d ... krútenie ohyb :nie
 Uvažovať ZS 3ab... vietor a namraza :ano
 Uvažovať ZS 5a ... pretrhnutie lana :ano

Zatažovací stav 5a - pretrhnutie - uvažovať v posobiskách (uzloch):
 216, 165, 162, 155, 153, 148, 146, 220, 168, 159, 156, 154, 147, 143,
 Uvažovať montážne stavy :ano
 Počet montážnych ZS: 7
 Postupnosť montáže posobísk:
 216, 165, 162, 155, 153, 148, 146,
 Úhol kotvy = 30.0, úhol navijaka = 30.0
 Hmotnosť kladka + monter = 150.0 daN
 Použiť pretázenie pri odvesovaní : ano
 Koeficient pretázenia = 1.1

UDAJE, TYKAJUČE SA POSOBISK

Posobisko c.1 - uzel 216 - typ : kzl, poloha : predne

 Nazov lana :AL4/A20SA_74/42-10.5
 Prierez lana :115.90 mm²
 Priemer lana : 14.90 mm
 Hmotnosť lana :0.54300 kg/m
 Špecifická hmotnosť : 0.04594 N/m.mm²
 Modul pružnosti : 95300.0 MPa
 Koef. tepelnej rozťažnosti :0.000016800 1/st.C
 Patri do zväzku :null
 Efektívny počet lan : 1.00
 Úhol lana od osi X : 67.21

Vetrove rozpatie	:128.00 m
Tiazove rozpatie	:133.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 62.00 MPa
Namrazova oblast	: "I3"
Dlžka retazca	: 0.00 m
Ekviv.hmotnosti retazca	: 0.00 daN
Ekviv.plocha retazca	: 0.00 m ²
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 100.00
	ZS 2d : 100.00
	ZS 5a : 100.00
	ZS 5bc: 100.00
Navrhova vyska lana H	: 26.450 m
Stredna rychl. vetra v H	: 32.593 m/s
Stredny tlak vetra	: 663.959 N/m ²
Intenzita turbulencie	: 0.159 N/m ²
Spickovy tlak vetra	:1405.103 N/m ²
Extrémna námraza, priemer lana:	22.167 N/m 0.077318 m
Menovitá námraza, priemer lana:	7.758 N/m 0.047293 m
Stredná dĺžka sused.rozpätí	:196.00 m
Merná dĺžka turbulencie	:104.73 m
Súčiniteľ pôvodu odozvy	: 0.263
Súčiniteľ konštr.lana Gc	: 0.704
ZS 1 :pretazenie =	2.944, namahanie = 148.679 MPa
	plny tah = 1723.194 daN
ZS 4 :pretazenie =	1.200, namahanie = 79.773 MPa
	plny tah = 924.567 daN
ZS 2a :pretazenie =	5.163, namahanie = 227.999 MPa
	plny tah = 2642.510 daN
ZS 2c :pretazenie =	2.249, namahanie = 120.380 MPa
	plny tah = 1395.209 daN
ZS 2c :pretazenie =	3.914, namahanie = 185.045 MPa
	plny tah = 2144.666 daN
ZS 3a :pretazenie =	6.501, namahanie = 270.538 MPa
	plny tah = 3135.531 daN
ZS 3b :pretazenie =	4.829, namahanie = 216.860 MPa
	plny tah = 2513.405 daN
ZS 5a :pretazenie =	2.665, namahanie = 137.594 MPa
	plny tah = 1594.710 daN
ZS 5b :pretazenie =	3.081, namahanie = 154.033 MPa
	plny tah = 1785.240 daN

Posobisko c.2 - uzol 165 - typ : faza, poloha : predne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm ²
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm ²
Modul pružnosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	: 67.21
Vetrove rozpatie	:128.00 m
Tiazove rozpatie	:133.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa

Namrazova oblast	:	"I3"
Dlžka retazca	:	2.16 m
Ekviv.hmotnosti retazca	:	108.85 daN
Ekviv.plocha retazca	:	0.47 m2
Ine zvisle zatazenie	:	49.03 daN
Percento zostatkoveho tahu	:	ZS 2c : 100.00
		ZS 2d : 100.00
		ZS 5a : 100.00
		ZS 5bc: 100.00
Navrhova vyska lana H	:	21.400 m
Stredna rychl. vetra v H	:	31.492 m/s
Stredny tlak vetra	:	619.853 N/m2
Intenzita turbulencie	:	0.165 N/m2
Spickovy tlak vetra	:	1335.958 N/m2
Extrémna námraza, priemer lana:	:	25.505 N/m 0.084261 m
Menovitá námraza, priemer lana:	:	8.927 N/m 0.052868 m
Stredná dĺžka sused.rozpätí	:	196.00 m
Merná dĺžka turbulencie	:	93.80 m
Súčiniteľ pôvodu odozvy	:	0.242
Súčiniteľ konštr.lana Gc	:	0.690
ZS 1 :pretazenie =	:	2.321, namahanie = 90.554 MPa
		plny tah = 2558.526 daN
ZS 4 :pretazenie =	:	1.200, namahanie = 58.702 MPa
		plny tah = 1658.567 daN
ZS 2a :pretazenie =	:	3.654, namahanie = 129.480 MPa
		plny tah = 3658.324 daN
ZS 2c :pretazenie =	:	1.796, namahanie = 73.565 MPa
		plny tah = 2078.517 daN
ZS 2c :pretazenie =	:	2.858, namahanie = 106.849 MPa
		plny tah = 3018.906 daN
ZS 3a :pretazenie =	:	4.276, namahanie = 146.165 MPa
		plny tah = 4129.733 daN
ZS 3b :pretazenie =	:	3.077, namahanie = 113.268 MPa
		plny tah = 3200.281 daN
ZS 5a :pretazenie =	:	2.061, namahanie = 82.303 MPa
		plny tah = 2325.380 daN
ZS 5b :pretazenie =	:	2.327, namahanie = 90.739 MPa
		plny tah = 2563.738 daN

Posobisko c.3 - uzol 162 - typ : faza, poloha : predne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pružnosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	: 67.21
Vetrove rozpatie	:128.00 m
Tiazove rozpatie	:133.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblast	: "I3"
Dlžka retazca	: 2.16 m
Ekviv.hmotnosti retazca	: 74.53 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN

Percento zostatkoveho tahu	:	ZS 2c	:	100.00	
		ZS 2d	:	100.00	
		ZS 5a	:	100.00	
		ZS 5bc	:	100.00	
Navrhova vyska lana H	:	21.400	m		
Stredna rychl. vetra v H	:	31.492	m/s		
Stredny tlak vetra	:	619.853	N/m2		
Intenzita turbulencie	:	0.165	N/m2		
Spickovy tlak vetra	:	1335.958	N/m2		
Extrémna námraza, priemer lana:	25.505	N/m	0.084261	m	
Menovitá námraza, priemer lana:	8.927	N/m	0.052868	m	
Stredná dĺžka sused.rozpätí	:	196.00	m		
Merná dĺžka turbulencie	:	93.80	m		
Súčiniteľ pôvodu odozvy	:	0.242			
Súčiniteľ konštr.lana Gc	:	0.690			
ZS 1 :pretazenie =	2.321,	namahanie =	90.554	MPa	
		plny tah =	2558.526	daN	
ZS 4 :pretazenie =	1.200,	namahanie =	58.702	MPa	
		plny tah =	1658.567	daN	
ZS 2a :pretazenie =	3.654,	namahanie =	129.480	MPa	
		plny tah =	3658.324	daN	
ZS 2c :pretazenie =	1.796,	namahanie =	73.565	MPa	
		plny tah =	2078.517	daN	
ZS 2c :pretazenie =	2.858,	namahanie =	106.849	MPa	
		plny tah =	3018.906	daN	
ZS 3a :pretazenie =	4.276,	namahanie =	146.165	MPa	
		plny tah =	4129.733	daN	
ZS 3b :pretazenie =	3.077,	namahanie =	113.268	MPa	
		plny tah =	3200.281	daN	
ZS 5a :pretazenie =	2.061,	namahanie =	82.303	MPa	
		plny tah =	2325.380	daN	
ZS 5b :pretazenie =	2.327,	namahanie =	90.739	MPa	
		plny tah =	2563.738	daN	

Posobisko c.4 - uzol 155 - typ : faza, poloha : predne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny počet lan	: 1.00
Uhol lana od osi X	: 67.21
Vetrove rozpatie	:128.00 m
Tiazove rozpatie	:133.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblasť	: "I3"
Dĺžka retazca	: 2.16 m
Ekviv.hmotnosti retazca	:108.85 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 100.00
	ZS 2d : 100.00
	ZS 5a : 100.00
	ZS 5bc: 100.00

Navrhova vyska lana H	:	17.600	m	
Stredna rychl. vetra v H	:	30.476	m/s	
Stredny tlak vetra	:	580.500	N/m2	
Intenzita turbulencie	:	0.171	N/m2	
Spickovy tlak vetra	:	1273.501	N/m2	
Extrémna námraza, priemer lana:		25.505	N/m	0.084261 m
Menovitá námraza, priemer lana:		8.927	N/m	0.052868 m
Stredná dĺžka sused.rozpätí	:	196.00	m	
Merná dĺžka turbulencie	:	84.73	m	
Súčiniteľ pôvodu odozvy	:	0.224		
Súčiniteľ konštr.lana Gc	:	0.676		
ZS 1 :pretazenie =	2.198,	namahanie =	86.683	MPa
		plny tah =	2449.132	daN
ZS 4 :pretazenie =	1.200,	namahanie =	58.702	MPa
		plny tah =	1658.567	daN
ZS 2a :pretazenie =	3.654,	namahanie =	129.480	MPa
		plny tah =	3658.324	daN
ZS 2c :pretazenie =	1.796,	namahanie =	73.565	MPa
		plny tah =	2078.517	daN
ZS 2c :pretazenie =	2.858,	namahanie =	106.849	MPa
		plny tah =	3018.906	daN
ZS 3a :pretazenie =	4.203,	namahanie =	144.231	MPa
		plny tah =	4075.097	daN
ZS 3b :pretazenie =	2.957,	namahanie =	109.767	MPa
		plny tah =	3101.355	daN
ZS 5a :pretazenie =	2.061,	namahanie =	82.303	MPa
		plny tah =	2325.380	daN
ZS 5b :pretazenie =	2.327,	namahanie =	90.739	MPa
		plny tah =	2563.738	daN

Posobisko c.5 - uzol 153 - typ : faza, poloha : predne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	: 67.21
Vetrove rozpatie	:128.00 m
Tiazove rozpatie	:133.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblasť	: "I3"
Dĺžka retazca	: 2.16 m
Ekviv.hmotnosti retazca	: 74.53 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 100.00
	ZS 2d : 100.00
	ZS 5a : 100.00
	ZS 5bc: 100.00

Navrhova vyska lana H	: 17.600 m
Stredna rychl. vetra v H	: 30.476 m/s
Stredny tlak vetra	: 580.500 N/m ²
Intenzita turbulencie	: 0.171 N/m ²
Spickovy tlak vetra	: 1273.501 N/m ²

Extrémna námraza, priemer lana:	25.505	N/m	0.084261	m
Menovitá námraza, priemer lana:	8.927	N/m	0.052868	m
Stredná dĺžka sused.rozpätí	:196.00	m		
Merná dĺžka turbulencie	: 84.73	m		
Súčiniteľ pôvodu odozvy	: 0.224			
Súčiniteľ konštr.lana Gc	: 0.676			
ZS 1 :pretazenie =	2.198,	namahanie =	86.683	MPa
		plny tah =	2449.132	daN
ZS 4 :pretazenie =	1.200,	namahanie =	58.702	MPa
		plny tah =	1658.567	daN
ZS 2a :pretazenie =	3.654,	namahanie =	129.480	MPa
		plny tah =	3658.324	daN
ZS 2c :pretazenie =	1.796,	namahanie =	73.565	MPa
		plny tah =	2078.517	daN
ZS 2c :pretazenie =	2.858,	namahanie =	106.849	MPa
		plny tah =	3018.906	daN
ZS 3a :pretazenie =	4.203,	namahanie =	144.231	MPa
		plny tah =	4075.097	daN
ZS 3b :pretazenie =	2.957,	namahanie =	109.767	MPa
		plny tah =	3101.355	daN
ZS 5a :pretazenie =	2.061,	namahanie =	82.303	MPa
		plny tah =	2325.380	daN
ZS 5b :pretazenie =	2.327,	namahanie =	90.739	MPa
		plny tah =	2563.738	daN

Posobisko c.6 - uzol 148 - typ : faza, poloha : predne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	: 67.21
Vetrove rozpatie	:128.00 m
Tiazove rozpatie	:133.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblasť	: "I3"
Dĺžka retazca	: 2.16 m
Ekviv.hmotnosti retazca	:108.85 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 100.00
	ZS 2d : 100.00
	ZS 5a : 100.00
	ZS 5bc: 100.00

Navrhova vyska lana H	:	13.800 m	
Stredna rychl. vetra v H	:	29.212 m/s	
Stredny tlak vetra	:	533.339 N/m2	
Intenzita turbulencie	:	0.178 N/m2	
Spickovy tlak vetra	:	1197.594 N/m2	
Extrémna námraza, priemer lana:	25.505 N/m	0.084261 m	
Menovitá námraza, priemer lana:	8.927 N/m	0.052868 m	
Stredná dĺžka sused. rozpätí	:	196.00 m	
Merná dĺžka turbulencie	:	74.66 m	
Súčiniteľ pôvodu odozvy	:	0.203	

Súčiniteľ konst.r.lana Gc	: 0.659
ZS 1 :pretazenie =	2.054, namahanie = 82.061 MPa plny tah = 2318.554 daN
ZS 4 :pretazenie =	1.200, namahanie = 58.702 MPa plny tah = 1658.567 daN
ZS 2a :pretazenie =	3.654, namahanie = 129.480 MPa plny tah = 3658.324 daN
ZS 2c :pretazenie =	1.796, namahanie = 73.565 MPa plny tah = 2078.517 daN
ZS 2c :pretazenie =	2.858, namahanie = 106.849 MPa plny tah = 3018.906 daN
ZS 3a :pretazenie =	4.120, namahanie = 142.043 MPa plny tah = 4013.271 daN
ZS 3b :pretazenie =	2.818, namahanie = 105.674 MPa plny tah = 2985.715 daN
ZS 5a :pretazenie =	2.061, namahanie = 82.303 MPa plny tah = 2325.380 daN
ZS 5b :pretazenie =	2.327, namahanie = 90.739 MPa plny tah = 2563.738 daN

Posobisko c.7 - uzol 146 - typ : faza, poloha : predne

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm2
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specificka hmotnost	: 0.03402 N/m.mm2
Modul pruznosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zvezku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	: 67.21
Vetrove rozpatie	:128.00 m
Tiazove rozpatie	:133.00 m
Skutocne rozpatie	:255.00 m
Stredne rozpatie	:280.00 m
Zakladne namahanie	: 45.00 MPa
Namrazova oblast	: "I3"
Dlzska retazca	: 2.16 m
Ekviv.hmotnosti retazca	: 74.53 daN
Ekviv.plocha retazca	: 0.47 m2
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 100.00
	ZS 2d : 100.00
	ZS 5a : 100.00
	ZS 5bc: 100.00

Navrhova vyska lana H	:	13.800 m	
Stredna rychl. vetra v H	:	29.212 m/s	
Stredny tlak vetra	:	533.339 N/m2	
Intenzita turbulencie	:	0.178 N/m2	
Spickovy tlak vetra	:	1197.594 N/m2	
Extrémna námraza, priemer lana:	25.505 N/m	0.084261 m	
Menovitá námraza, priemer lana:	8.927 N/m	0.052868 m	
Stredná dĺžka sused. rozpätí	:	196.00 m	
Merná dĺžka turbulencie	:	74.66 m	
Súčiniteľ pôvodu odozvy	:	0.203	
Súčiniteľ konštr. lana Gc	:	0.659	
ZS 1 :pretazenie =	2.054,	namahanie =	82.061 MPa
		plny tah =	2318.554 daN
ZS 4 :pretazenie =	1.200,	namahanie =	58.702 MPa
		plny tah =	1658.567 daN

ZS 2a :pretazenie =	3.654,	namahanie =	129.480 MPa
		plny tah =	3658.324 daN
ZS 2c :pretazenie =	1.796,	namahanie =	73.565 MPa
		plny tah =	2078.517 daN
ZS 2c :pretazenie =	2.858,	namahanie =	106.849 MPa
		plny tah =	3018.906 daN
ZS 3a :pretazenie =	4.120,	namahanie =	142.043 MPa
		plny tah =	4013.271 daN
ZS 3b :pretazenie =	2.818,	namahanie =	105.674 MPa
		plny tah =	2985.715 daN
ZS 5a :pretazenie =	2.061,	namahanie =	82.303 MPa
		plny tah =	2325.380 daN
ZS 5b :pretazenie =	2.327,	namahanie =	90.739 MPa
		plny tah =	2563.738 daN

Posobisko c.8 - uzol 220 - typ : kzl, poloha : zadne

Nazov lana	:AL4/A20SA_74/42-10.5
Prierez lana	:115.90 mm ²
Priemer lana	: 14.90 mm
Hmotnost lana	:0.54300 kg/m
Specificka hmotnost	: 0.04594 N/m.mm ²
Modul pruznosti	: 95300.0 MPa
Koef.tepelnej roztaznosti	:0.000016800 1/st.C
Patri do zväzku	:null
Efektivny pocet lan	: 1.00
Uhol lana od osi X	:-67.21
Vetrove rozpatie	: 68.00 m
Tiazove rozpatie	: 43.00 m
Skutocne rozpatie	:135.00 m
Stredne rozpatie	:153.00 m
Zakladne namahanie	: 35.00 MPa
Namrazova oblast	: "I5"
Dlžka retazca	: 0.00 m
Ekviv.hmotnosti retazca	: 0.00 daN
Ekviv.plocha retazca	: 0.00 m ²
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 100.00 ZS 2d : 100.00 ZS 5a : 100.00 ZS 5bc: 100.00
Navrhova vyska lana H	: 26.450 m
Stredna rychl. vetra v H	: 32.593 m/s
Stredny tlak vetra	: 663.959 N/m ²
Intenzita turbulencie	: 0.159 N/m ²
Spickovy tlak vetra	:1405.103 N/m ²
Extrémna námraza, priemer lana:	38.953 N/m 0.101671 m
Menovitá námraza,priemer lana:	13.634 N/m 0.061337 m
Stredná dĺžka sused.rozpätí	:196.00 m
Merná dĺžka turbulencie	:104.73 m
Súčiniteľ pôvodu odozvy	: 0.263
Súčiniteľ konštr.lana Gc	: 0.704
ZS 1 :pretazenie =	2.944, namahanie = 89.087 MPa plny tahu = 1032.515 daN
ZS 4 :pretazenie =	1.200, namahanie = 46.353 MPa plny tahu = 537.233 daN
ZS 2a :pretazenie =	8.315, namahanie = 203.246 MPa plny tahu = 2355.619 daN
ZS 2c :pretazenie =	3.195, namahanie = 95.300 MPa plny tahu = 1104.532 daN
ZS 2c :pretazenie =	6.121, namahanie = 160.428 MPa

ZS 3a :pretazenie =	9.805,	plny tah = 1859.359 daN
		namahanie = 230.345 MPa
ZS 3b :pretazenie =	6.461,	plny tah = 2669.698 daN
		namahanie = 167.334 MPa
ZS 5a :pretazenie =	3.926,	plny tah = 1939.397 daN
		namahanie = 112.747 MPa
ZS 5b :pretazenie =	4.658,	plny tah = 1306.740 daN
		namahanie = 129.325 MPa
		plny tah = 1498.876 daN

Posobisko c.9 - uzol 168 - typ : faza, poloha : zadne

```

-----
Nazov lana                :243-AL1/39-ST1A
Prierez lana              :282.54 mm2
Priemer lana              : 21.84 mm
Hmotnost lana             :0.98010 kg/m
Specificka hmotnost       : 0.03402 N/m.mm2
Modul pruznosti           : 73900.0 MPa
Koef.tepelnej roztznosti  :0.000018900 1/st.C
Patri do zväzku           :null
Efektivny pocet lan       : 1.00
Uhol lana od osi X        : -67.21
Vetrove rozpatie         : 68.00 m
Tiazove rozpatie         : 43.00 m
Skutocne rozpatie        :135.00 m
Stredne rozpatie         :153.00 m
Zakladne namahanie        : 25.00 MPa
Namrazova oblast         : "I5"
Dlžka retazca            : 2.16 m
Ekviv.hmotnosti retazca   :108.85 daN
Ekviv.plocha retazca      : 0.47 m2
Ine zvisle zatazenie      : 49.03 daN
Percento zostatkoveho tahu : ZS 2c : 100.00
                           : ZS 2d : 100.00
                           : ZS 5a : 100.00
                           : ZS 5bc: 100.00

Navrhova vyska lana H     : 21.400 m
Stredna rychl. vetra v H  : 31.492 m/s
Stredny tlak vetra        : 619.853 N/m2
Intenzita turbulencie     : 0.165 N/m2
Spickovy tlak vetra       :1335.958 N/m2
Exrémna námraza, priemer lana: 43.589 N/m 0.108608 m
Menovitá námraza,priemer lana: 15.256 N/m 0.066622 m
Stredná dĺžka sused.rozpätí :196.00 m
Merná dĺžka turbulencie   : 93.80 m
Súčiniteľ pôvodu odozvy   : 0.242
Súčiniteľ konštr.lana Gc  : 0.690
ZS 1 :pretazenie = 2.321, namahanie = 52.787 MPa
                           plny tah = 1491.444 daN
ZS 4 :pretazenie = 1.200, namahanie = 33.498 MPa
                           plny tah = 946.459 daN
ZS 2a :pretazenie = 5.535, namahanie = 108.525 MPa
                           plny tah = 3066.254 daN
ZS 2c :pretazenie = 2.361, namahanie = 53.560 MPa
                           plny tah = 1513.287 daN
ZS 2c :pretazenie = 4.175, namahanie = 86.376 MPa
                           plny tah = 2440.472 daN
ZS 3a :pretazenie = 6.232, namahanie = 119.275 MPa
                           plny tah = 3369.986 daN
ZS 3b :pretazenie = 3.978, namahanie = 83.030 MPa
                           plny tah = 2345.929 daN
  
```


Posobisko c.11 - uzol 156 - typ : faza, poloha : zadne

```

-----
Nazov lana                :243-AL1/39-ST1A
Prierez lana              :282.54 mm2
Priemer lana              : 21.84 mm
Hmotnost lana             :0.98010 kg/m
Specificka hmotnost       : 0.03402 N/m.mm2
Modul pruznosti           : 73900.0 MPa
Koef.tepelnej roztaznosti :0.000018900 1/st.C
Patri do zväzku           :null
Efektivny pocet lan       : 1.00
Uhol lana od osi X        : -67.21
Vetrove rozpatie          : 68.00 m
Tiazove rozpatie          : 43.00 m
Skutocne rozpatie         :135.00 m
Stredne rozpatie          :153.00 m
Zakladne namahanie        : 25.00 MPa
Namrazova oblast          : "I5"
Dlzska retazca            : 2.16 m
Ekviv.hmotnosti retazca   :108.85 daN
Ekviv.plocha retazca      : 0.47 m2
Ine zvisle zatazenie      : 49.03 daN
Percento zostatkoveho tahu : ZS 2c : 100.00
                           : ZS 2d : 100.00
                           : ZS 5a : 100.00
                           : ZS 5bc: 100.00

Navrhova vyska lana H     : 17.600 m
Stredna rychl. vetra v H  : 30.476 m/s
Stredny tlak vetra        : 580.500 N/m2
Intenzita turbulencie     : 0.171 N/m2
Spickovy tlak vetra       :1273.501 N/m2
Extrémna námraza, priemer lana: 43.589 N/m 0.108608 m
Menovitá námraza, priemer lana: 15.256 N/m 0.066622 m
Stredná dĺžka sused.rozpätí :196.00 m
Merná dĺžka turbulencie   : 84.73 m
Súčiniteľ pôvodu odozvy   : 0.224
Súčiniteľ konštr.lana Gc  : 0.676
ZS 1 :pretazenie = 2.198, namahanie = 50.373 MPa
                           plny tah = 1423.229 daN
ZS 4 :pretazenie = 1.200, namahanie = 33.498 MPa
                           plny tah = 946.459 daN
ZS 2a :pretazenie = 5.535, namahanie = 108.525 MPa
                           plny tah = 3066.254 daN
ZS 2c :pretazenie = 2.361, namahanie = 53.560 MPa
                           plny tah = 1513.287 daN
ZS 2c :pretazenie = 4.175, namahanie = 86.376 MPa
                           plny tah = 2440.472 daN
ZS 3a :pretazenie = 6.148, namahanie = 118.001 MPa
                           plny tah = 3333.997 daN
ZS 3b :pretazenie = 3.830, namahanie = 80.480 MPa
                           plny tah = 2273.877 daN
ZS 5a :pretazenie = 2.814, namahanie = 62.211 MPa
                           plny tah = 1757.708 daN
ZS 5b :pretazenie = 3.268, namahanie = 70.537 MPa
                           plny tah = 1992.948 daN
  
```

Posobisko c.12 - uzol 154 - typ : faza, poloha : zadne

```

-----
Nazov lana                :243-AL1/39-ST1A
Prierez lana              :282.54 mm2
Priemer lana              : 21.84 mm
  
```

Hmotnost lana	:0.98010 kg/m
Specifická hmotnost	: 0.03402 N/m.mm ²
Modul pružnosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null
Efektivny počet lan	: 1.00
Uhol lana od osi X	:-67.21
Vetrove rozpatie	: 68.00 m
Tiazove rozpatie	: 43.00 m
Skutocne rozpatie	:135.00 m
Stredne rozpatie	:153.00 m
Zakladne namahanie	: 25.00 MPa
Namrazova oblast	: "I5"
Dlžka retazca	: 2.16 m
Ekviv.hmotnosti retazca	: 74.53 daN
Ekviv.plocha retazca	: 0.47 m ²
Ine zvisle zatazenie	: 49.03 daN
Percento zostatkoveho tahu	: ZS 2c : 100.00
	: ZS 2d : 100.00
	: ZS 5a : 100.00
	: ZS 5bc: 100.00
Navrhova vyska lana H	: 17.600 m
Stredna rychl. vetra v H	: 30.476 m/s
Stredny tlak vetra	: 580.500 N/m ²
Intenzita turbulencie	: 0.171 N/m ²
Spickovy tlak vetra	:1273.501 N/m ²
Extrémna námraza, priemer lana:	43.589 N/m 0.108608 m
Menovitá námraza, priemer lana:	15.256 N/m 0.066622 m
Stredná dĺžka sused.rozpätí	:196.00 m
Merná dĺžka turbulencie	: 84.73 m
Súčiniteľ pôvodu odozvy	: 0.224
Súčiniteľ konštr.lana Gc	: 0.676
ZS 1 :pretazenie =	2.198, namahanie = 50.373 MPa
	plny tah = 1423.229 daN
ZS 4 :pretazenie =	1.200, namahanie = 33.498 MPa
	plny tah = 946.459 daN
ZS 2a :pretazenie =	5.535, namahanie = 108.525 MPa
	plny tah = 3066.254 daN
ZS 2c :pretazenie =	2.361, namahanie = 53.560 MPa
	plny tah = 1513.287 daN
ZS 2c :pretazenie =	4.175, namahanie = 86.376 MPa
	plny tah = 2440.472 daN
ZS 3a :pretazenie =	6.148, namahanie = 118.001 MPa
	plny tah = 3333.997 daN
ZS 3b :pretazenie =	3.830, namahanie = 80.480 MPa
	plny tah = 2273.877 daN
ZS 5a :pretazenie =	2.814, namahanie = 62.211 MPa
	plny tah = 1757.708 daN
ZS 5b :pretazenie =	3.268, namahanie = 70.537 MPa
	plny tah = 1992.948 daN
Posobisko c.13 - uzol 147 - typ : faza, poloha : zadne	

Nazov lana	:243-AL1/39-ST1A
Prierez lana	:282.54 mm ²
Priemer lana	: 21.84 mm
Hmotnost lana	:0.98010 kg/m
Specifická hmotnost	: 0.03402 N/m.mm ²
Modul pružnosti	: 73900.0 MPa
Koef.tepelnej roztaznosti	:0.000018900 1/st.C
Patri do zväzku	:null

Efektivny pocet lan	:	1.00
Uhol lana od osi X	:	-67.21
Vetrove rozpatie	:	68.00 m
Tiazove rozpatie	:	43.00 m
Skutocne rozpatie	:	135.00 m
Stredne rozpatie	:	153.00 m
Zakladne namahanie	:	25.00 MPa
Namrazova oblast	:	"I5"
Dlžka retazca	:	2.16 m
Ekviv.hmotnosti retazca	:	108.85 daN
Ekviv.plocha retazca	:	0.47 m ²
Ine zvisle zatazenie	:	49.03 daN
Percento zostatkoveho tahu	:	ZS 2c : 100.00
		ZS 2d : 100.00
		ZS 5a : 100.00
		ZS 5bc: 100.00
Navrhova vyska lana H	:	13.800 m
Stredna rychl. vetra v H	:	29.212 m/s
Stredny tlak vetra	:	533.339 N/m ²
Intenzita turbulencie	:	0.178 N/m ²
Spickovy tlak vetra	:	1197.594 N/m ²
Extrémna námraza, priemer lana:	:	43.589 N/m 0.108608 m
Menovitá námraza, priemer lana:	:	15.256 N/m 0.066622 m
Stredná dĺžka sused.rozpätí	:	196.00 m
Merná dĺžka turbulencie	:	74.66 m
Súčiniteľ pôvodu odozvy	:	0.203
Súčiniteľ konštr.lana Gc	:	0.659
ZS 1 :pretazenie =	:	2.054, namahanie = 47.501 MPa
	:	plny tah = 1342.092 daN
ZS 4 :pretazenie =	:	1.200, namahanie = 33.498 MPa
	:	plny tah = 946.459 daN
ZS 2a :pretazenie =	:	5.535, namahanie = 108.525 MPa
	:	plny tah = 3066.254 daN
ZS 2c :pretazenie =	:	2.361, namahanie = 53.560 MPa
	:	plny tah = 1513.287 daN
ZS 2c :pretazenie =	:	4.175, namahanie = 86.376 MPa
	:	plny tah = 2440.472 daN
ZS 3a :pretazenie =	:	6.055, namahanie = 116.568 MPa
	:	plny tah = 3293.502 daN
ZS 3b :pretazenie =	:	3.660, namahanie = 77.512 MPa
	:	plny tah = 2190.018 daN
ZS 5a :pretazenie =	:	2.814, namahanie = 62.211 MPa
	:	plny tah = 1757.708 daN
ZS 5b :pretazenie =	:	3.268, namahanie = 70.537 MPa
	:	plny tah = 1992.948 daN
Posobisko c.14 - uzol 143 - typ : faza, poloha : zadne		

Nazov lana	:	243-AL1/39-ST1A
Prierez lana	:	282.54 mm ²
Priemer lana	:	21.84 mm
Hmotnost lana	:	0.98010 kg/m
Specificka hmotnost	:	0.03402 N/m.mm ²
Modul pružnosti	:	73900.0 MPa
Koef.tepelnej roztaznosti	:	0.000018900 1/st.C
Patri do zväzku	:	null
Efektivny pocet lan	:	1.00
Uhol lana od osi X	:	-67.21
Vetrove rozpatie	:	68.00 m
Tiazove rozpatie	:	43.00 m
Skutocne rozpatie	:	135.00 m

Stredne rozpatie	:	153.00 m	
Zakladne namahanie	:	25.00 MPa	
Namrazova oblast	:	"I5"	
Dlzska retazca	:	2.16 m	
Ekviv.hmotnosti retazca	:	74.53 daN	
Ekviv.plocha retazca	:	0.47 m2	
Ine zvisle zatazenie	:	49.03 daN	
Percento zostatkoveho tahu	:	ZS 2c : 100.00	
		ZS 2d : 100.00	
		ZS 5a : 100.00	
		ZS 5bc: 100.00	
Navrhova vyska lana H	:	13.800 m	
Stredna rychl. vetra v H	:	29.212 m/s	
Stredny tlak vetra	:	533.339 N/m2	
Intenzita turbulencie	:	0.178 N/m2	
Spickovy tlak vetra	:	1197.594 N/m2	
Extrémna námraza, priemer lana:	:	43.589 N/m	0.108608 m
Menovitá námraza, priemer lana:	:	15.256 N/m	0.066622 m
Stredná dĺžka sused.rozpätí	:	196.00 m	
Merná dĺžka turbulencie	:	74.66 m	
Súčiniteľ pôvodu odozvy	:	0.203	
Súčiniteľ konštr.lana Gc	:	0.659	
ZS 1 :pretazenie =	2.054,	namahanie =	47.501 MPa
		plny tah =	1342.092 daN
ZS 4 :pretazenie =	1.200,	namahanie =	33.498 MPa
		plny tah =	946.459 daN
ZS 2a :pretazenie =	5.535,	namahanie =	108.525 MPa
		plny tah =	3066.254 daN
ZS 2c :pretazenie =	2.361,	namahanie =	53.560 MPa
		plny tah =	1513.287 daN
ZS 2c :pretazenie =	4.175,	namahanie =	86.376 MPa
		plny tah =	2440.472 daN
ZS 3a :pretazenie =	6.055,	namahanie =	116.568 MPa
		plny tah =	3293.502 daN
ZS 3b :pretazenie =	3.660,	namahanie =	77.512 MPa
		plny tah =	2190.018 daN
ZS 5a :pretazenie =	2.814,	namahanie =	62.211 MPa
		plny tah =	1757.708 daN
ZS 5b :pretazenie =	3.268,	namahanie =	70.537 MPa
		plny tah =	1992.948 daN

END

3. Zatížení stožáru V30+0

Pocet zakladnych stavov : 39

Pocet kombinacii : 36

ZS 1 Vlastna hmotnost

TLAC 000

1 002	-31.4	2 002	-51.5	3 002	-51.5	4 002	-31.4
5 002	-51.5	6 002	-31.4	7 002	-51.5	8 002	-31.4
9 002	-30.3	10 002	-51.1	11 002	-51.1	12 002	-30.3
13 002	-51.1	14 002	-30.3	15 002	-51.1	16 002	-30.3
17 002	-29.1	18 002	-50.7	19 002	-50.7	20 002	-29.1
21 002	-50.7	22 002	-29.1	23 002	-50.7	24 002	-29.1
25 002	-28.0	26 002	-50.3	27 002	-50.3	28 002	-28.0
29 002	-50.3	30 002	-28.0	31 002	-50.3	32 002	-28.0
33 002	-92.0	34 002	-65.6	35 002	-92.0	36 002	-65.6
37 002	-64.8	38 002	-64.8	39 002	-64.0	40 002	-64.0
41 002	-69.4	42 002	-69.4	43 002	-92.0	44 002	-65.6
45 002	-92.0	46 002	-65.6	47 002	-64.8	48 002	-64.8
49 002	-64.0	50 002	-64.0	51 002	-69.4	52 002	-69.4
53 002	-26.8	54 002	-45.5	55 002	-45.5	56 002	-26.8
57 002	-45.5	58 002	-26.8	59 002	-45.5	60 002	-26.8
61 002	-25.7	62 002	-45.1	63 002	-45.1	64 002	-25.7
65 002	-45.1	66 002	-25.7	67 002	-45.1	68 002	-25.7
69 002	-24.6	70 002	-44.7	71 002	-44.7	72 002	-24.6
73 002	-44.7	74 002	-24.6	75 002	-44.7	76 002	-24.6
77 002	-23.5	78 002	-44.3	79 002	-44.3	80 002	-23.5
81 002	-44.3	82 002	-23.5	83 002	-44.3	84 002	-23.5
85 002	-58.1	86 002	-58.1	87 002	-57.3	88 002	-57.3
89 002	-56.6	90 002	-56.6	91 002	-62.3	92 002	-62.3
93 002	-58.1	94 002	-58.1	95 002	-57.3	96 002	-57.3
97 002	-56.6	98 002	-56.6	99 002	-62.3	100 002	-62.3
101 002	-5.6	102 002	-5.6	103 002	-5.6	104 002	-5.6
105 002	-9.7	106 002	-9.7	107 002	-9.7	108 002	-9.7
109 002	-75.1	110 002	-63.7	111 002	-70.2	112 002	-80.6
113 002	-48.9	114 002	-49.7	115 002	-59.9	116 002	-31.0
117 002	-75.5	118 002	-59.4	119 002	-70.2	120 002	-74.5
121 002	-49.1	122 002	-49.7	123 002	-63.3	124 002	-31.3
125 002	-75.1	126 002	-63.7	127 002	-70.2	128 002	-80.6
129 002	-48.9	130 002	-49.7	131 002	-64.7	132 002	-31.0
133 002	-75.5	134 002	-56.6	135 002	-70.2	136 002	-77.2
137 002	-49.1	138 002	-49.7	139 002	-60.9	140 002	-31.3
141 002	-15.6	142 002	-17.0	143 002	-13.9	144 002	-8.7
145 002	-8.7	146 002	-9.7	147 002	-27.0	148 002	-27.0
149 002	-7.6	150 002	-9.4	151 002	-7.6	152 002	-9.4
153 002	-9.5	154 002	-13.5	155 002	-23.6	156 002	-23.6
157 002	-14.8	158 002	-16.6	159 002	-14.0	160 002	-8.8
161 002	-8.8	162 002	-9.8	163 002	-16.4	164 002	-16.4
165 002	-19.4	166 002	-7.9	167 002	-7.9	168 002	-14.6
169 002	-63.6	170 002	-63.6	171 002	-63.6	172 002	-63.6
173 002	-87.9	174 002	-59.5	175 002	-87.9	176 002	-59.5
177 002	-87.9	178 002	-59.5	179 002	-87.9	180 002	-59.5
181 002	-27.3	182 002	-27.3	183 002	-27.3	184 002	-27.3
185 002	-78.4	186 002	-49.2	187 002	-78.4	188 002	-49.2
189 002	-78.4	190 002	-49.2	191 002	-78.4	192 002	-49.2
193 002	-11.6	194 002	-11.6	195 002	-11.6	196 002	-11.6
197 002	-9.8	198 002	-7.5	199 002	-7.5	200 002	-9.8
201 002	-20.4	202 002	-20.4	203 002	-7.3	204 002	-7.3
205 002	-8.1	206 002	-8.1	207 002	-17.3	208 002	-15.9
209 002	-14.1	210 002	-17.7	211 002	-8.8	212 002	-8.8
213 002	-8.0	214 002	-8.0	215 002	-5.6	216 002	-1.3

217 002	-5.6	218 002	-0.9	219 002	-5.6	220 002	-1.3
221 002	-5.6	222 002	-0.9	223 002	-14.4	224 002	-13.6
225 002	-12.7	226 002	-12.0	227 002	-14.4	228 002	-13.6
229 002	-12.7	230 002	-12.0	231 002	-14.4	232 002	-13.6
233 002	-12.7	234 002	-12.0	235 002	-14.4	236 002	-13.6
237 002	-12.7	238 002	-12.0	239 002	-16.1	240 002	-15.1
241 002	-16.1	242 002	-15.1				

END

ZS 2 Vietor kolmo na vedenie

TLAC 000

1 001	74.1	2 001	48.1	3 001	48.1	9 001	71.3
10 001	47.6	11 001	47.6	17 001	68.6	18 001	47.1
19 001	47.1	25 001	65.9	26 001	46.7	27 001	46.7
33 001	70.7	34 001	64.5	35 001	70.7	36 001	64.5
37 001	63.6	38 001	63.6	39 001	62.7	40 001	62.7
41 001	68.4	42 001	68.4	53 001	63.2	54 001	42.4
55 001	42.4	61 001	60.6	62 001	42.0	63 001	42.0
69 001	64.5	70 001	46.2	71 001	46.2	77 001	61.6
78 001	45.7	79 001	45.7	85 001	57.1	86 001	57.1
87 001	59.4	88 001	59.4	89 001	61.7	90 001	61.7
91 001	71.5	92 001	71.5	105 001	16.9	109 001	63.7
110 001	23.4	111 001	99.2	112 001	63.7	113 001	50.7
114 001	80.0	115 001	52.5	116 001	16.5	125 001	67.2
126 001	23.4	127 001	99.2	128 001	63.7	129 001	48.2
130 001	80.0	131 001	52.5	132 001	30.3	148 001	3.3
151 001	6.8	155 001	2.4	165 001	3.8	167 001	7.7
174 001	8.1	180 001	8.1	184 001	55.4	185 001	46.2
186 001	37.3	191 001	46.2	192 001	37.3	203 001	4.8
205 001	4.9	215 001	10.6	221 001	18.2	222 001	1.8
223 001	34.0	224 001	32.3	225 001	31.4	226 001	30.4
235 001	34.8	236 001	33.0	237 001	31.7	238 001	31.0
242 001	39.5						

END

ZS 3 Vietor v smere vedenia

TLAC 000

3 003	48.1	4 003	74.1	5 003	48.1	11 003	47.6
12 003	71.3	13 003	47.6	19 003	47.1	20 003	68.6
21 003	47.1	27 003	46.7	28 003	65.9	29 003	46.7
34 003	64.5	35 003	70.7	37 003	63.6	39 003	62.7
41 003	68.4	44 003	64.5	45 003	70.7	47 003	63.6
49 003	62.7	51 003	68.4	55 003	42.4	56 003	63.2
57 003	42.4	63 003	42.0	64 003	60.6	65 003	42.0
71 003	46.2	72 003	64.5	73 003	46.2	79 003	45.7
80 003	61.6	81 003	45.7	85 003	57.1	87 003	59.4
89 003	61.7	91 003	71.5	93 003	57.1	95 003	59.4
97 003	61.7	99 003	71.5	106 003	16.9	109 003	98.9
112 003	91.0	114 003	80.0	116 003	57.7	117 003	108.0
120 003	114.3	122 003	80.0	124 003	58.5	126 003	59.7
127 003	99.2	129 003	73.5	131 003	83.2	134 003	80.7
135 003	99.2	137 003	83.0	139 003	107.9	141 003	29.0
143 003	21.8	144 003	28.8	154 003	23.5	157 003	34.2
159 003	25.8	160 003	33.8	174 003	8.1	176 003	8.1
183 003	55.4	189 003	46.2	190 003	37.3	191 003	46.2
192 003	37.3	195 003	17.5	196 003	17.5	209 003	30.6
210 003	41.1	212 003	32.2	214 003	28.9	219 003	18.2
220 003	1.8	221 003	10.6	231 003	34.8	232 003	33.0
233 003	31.7	234 003	31.0	235 003	34.0	236 003	32.3
237 003	31.4	238 003	30.4	241 003	41.9		

END

ZS 4 : Extrem.vietor kolmo na ved.,bez N - ZS 1

TLAC 000

143 001	645.3	143 002	-164.9	143 003	-1138.0	146 001	1081.8
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146 002	-251.4	146 003	1967.6	147 001	645.3	147 002	-199.2
147 003	-1138.0	148 001	1081.8	148 002	-285.7	148 003	1967.6
153 001	1147.2	153 002	-251.4	153 003	2072.2	154 001	686.1
154 002	-164.9	154 003	-1203.3	155 001	1147.2	155 002	-285.7
155 003	2072.2	156 001	686.1	156 002	-199.2	156 003	-1203.3
159 001	720.4	159 002	-164.9	159 003	-1258.4	162 001	1202.0
162 002	-251.4	162 003	2160.1	165 001	1202.0	165 002	-285.7
165 003	2160.1	168 001	720.4	168 002	-199.2	168 003	-1258.4
216 001	767.9	216 002	-119.9	216 003	1445.8	220 001	449.4
220 002	-71.9	220 003	-866.8				

END

ZS 5 : Extrem.vietor v smere ved.,bez N - ZS 1

TLAC 000

143 001	333.5	143 002	-164.9	143 003	-708.7	146 001	570.8
146 002	-251.4	146 003	1459.2	147 001	333.5	147 002	-199.2
147 003	-708.7	148 001	570.8	148 002	-285.7	148 003	1459.2
153 001	584.7	153 002	-251.4	153 003	1499.6	154 001	343.1
154 002	-164.9	154 003	-725.6	155 001	584.7	155 002	-285.7
155 003	1499.6	156 001	343.1	156 002	-199.2	156 003	-725.6
159 001	351.5	159 002	-164.9	159 003	-740.6	162 001	596.9
162 002	-251.4	162 003	1534.7	165 001	596.9	165 002	-285.7
165 003	1534.7	168 001	351.5	168 002	-199.2	168 003	-740.6
216 001	372.8	216 002	-119.9	216 003	915.6	220 001	226.2
220 002	-71.9	220 003	-523.4				

END

ZS 6 : Extrem.vietor pod uhlom 45 st.,bez N - ZS 1

TLAC 000

143 001	556.5	143 002	-164.9	143 003	-1123.0	146 001	692.5
146 002	-251.4	146 003	1397.6	147 001	556.5	147 002	-199.2
147 003	-1123.0	148 001	692.5	148 002	-285.7	148 003	1397.6
153 001	715.9	153 002	-251.4	153 003	1432.4	154 001	589.7
154 002	-164.9	154 003	-1188.3	155 001	715.9	155 002	-285.7
155 003	1432.4	156 001	589.7	156 002	-199.2	156 003	-1188.3
159 001	617.7	159 002	-164.9	159 003	-1243.4	162 001	736.1
162 002	-251.4	162 003	1462.9	165 001	736.1	165 002	-285.7
165 003	1462.9	168 001	617.7	168 002	-199.2	168 003	-1243.4
216 001	435.2	216 002	-119.9	216 003	878.1	220 001	390.4
220 002	-71.9	220 003	-894.8				

END

ZS 7 : Minimalna teplota bez W,bez N - ZS 4

TLAC 000

143 001	366.6	143 002	-173.2	143 003	-872.6	146 001	642.5
146 002	-277.0	146 003	1529.1	147 001	366.6	147 002	-207.5
147 003	-872.6	148 001	642.5	148 002	-311.3	148 003	1529.1
153 001	642.5	153 002	-277.0	153 003	1529.1	154 001	366.6
154 002	-173.2	154 003	-872.6	155 001	642.5	155 002	-311.3
155 003	1529.1	156 001	366.6	156 002	-207.5	156 003	-872.6
159 001	366.6	159 002	-173.2	159 003	-872.6	162 001	642.5
162 002	-277.0	162 003	1529.1	165 001	642.5	165 002	-311.3
165 003	1529.1	168 001	366.6	168 002	-207.5	168 003	-872.6
216 001	358.1	216 002	-134.0	216 003	852.4	220 001	208.1
220 002	-76.5	220 003	-495.3				

END

ZS 8 : Extremna rovnomerna N,bez W - ZS 2a

TLAC 000

143 001	1187.7	143 002	-419.3	143 003	-2826.9	146 001	1417.1
146 002	-590.6	146 003	3372.7	147 001	1187.7	147 002	-453.6
147 003	-2826.9	148 001	1417.1	148 002	-624.9	148 003	3372.7
153 001	1417.1	153 002	-590.6	153 003	3372.7	154 001	1187.7
154 002	-419.3	154 003	-2826.9	155 001	1417.1	155 002	-624.9
155 003	3372.7	156 001	1187.7	156 002	-453.6	156 003	-2826.9
159 001	1187.7	159 002	-419.3	159 003	-2826.9	162 001	1417.1

162 002 -590.6	162 003 3372.7	165 001 1417.1	165 002 -624.9
165 003 3372.7	168 001 1187.7	168 002 -453.6	168 003 -2826.9
216 001 1023.6	216 002 -414.7	216 003 2436.2	220 001 912.5
220 002 -239.4	220 003 -2171.7		

END

ZS 9 : Reduk. N suc. k1 vzadu a k2 vpředu - pozdlz.ohyb - ZS 2c

TLAC 000

143 001 586.2	143 002 -241.2	143 003 -1395.1	146 001 1169.4
146 002 -488.8	146 003 2783.2	147 001 586.2	147 002 -275.5
147 003 -1395.1	148 001 1169.4	148 002 -523.2	148 003 2783.2
153 001 1169.4	153 002 -488.8	153 003 2783.2	154 001 586.2
154 002 -241.2	154 003 -1395.1	155 001 1169.4	155 002 -523.2
155 003 2783.2	156 001 586.2	156 002 -275.5	156 003 -1395.1
159 001 586.2	159 002 -241.2	159 003 -1395.1	162 001 1169.4
162 002 -488.8	162 003 2783.2	165 001 1169.4	165 002 -523.2
165 003 2783.2	168 001 586.2	168 002 -275.5	168 003 -1395.1
216 001 830.7	216 002 -326.2	216 003 1977.2	220 001 427.8
220 002 -122.2	220 003 -1018.3		

END

ZS 10 : Reduk. N suc. k2 vzadu a k1 vpředu - pozdlz.ohyb - ZS 2c

TLAC 000

143 001 945.3	143 002 -343.0	143 003 -2249.9	146 001 805.1
146 002 -353.2	146 003 1916.2	147 001 945.3	147 002 -377.3
147 003 -2249.9	148 001 805.1	148 002 -387.5	148 003 1916.2
153 001 805.1	153 002 -353.2	153 003 1916.2	154 001 945.3
154 002 -343.0	154 003 -2249.9	155 001 805.1	155 002 -387.5
155 003 1916.2	156 001 945.3	156 002 -377.3	156 003 -2249.9
159 001 945.3	159 002 -343.0	159 003 -2249.9	162 001 805.1
162 002 -353.2	162 003 1916.2	165 001 805.1	165 002 -387.5
165 003 1916.2	168 001 945.3	168 002 -377.3	168 003 -2249.9
216 001 540.4	216 002 -208.3	216 003 1286.3	220 001 720.2
220 002 -189.2	220 003 -1714.2		

END

ZS 11 : Mierny vietor kolmo na vedenie + extremna N - ZS 3a

TLAC 000

143 001 1394.1	143 002 -419.3	143 003 -2957.8	146 001 1719.5
146 002 -590.6	146 003 3582.9	147 001 1394.1	147 002 -453.6
147 003 -2957.8	148 001 1719.5	148 002 -624.9	148 003 3582.9
153 001 1757.0	153 002 -590.6	153 003 3626.0	154 001 1419.5
154 002 -419.3	154 003 -2985.6	155 001 1757.0	155 002 -624.9
155 003 3626.0	156 001 1419.5	156 002 -453.6	156 003 -2985.6
159 001 1441.5	159 002 -419.3	159 003 -3010.7	162 001 1789.5
162 002 -590.6	162 003 3664.5	165 001 1789.5	165 002 -624.9
165 003 3664.5	168 001 1441.5	168 002 -453.6	168 003 -3010.7
216 001 1383.8	216 002 -414.7	216 003 2748.8	220 001 1153.3
220 002 -239.4	220 003 -2364.5		

END

ZS 12 : Mierny vietor v smere vedenia + extremna N - ZS 3a

TLAC 000

143 001 1210.2	143 002 -419.3	143 003 -2841.2	146 001 1426.6
146 002 -590.6	146 003 3445.5	147 001 1210.2	147 002 -453.6
147 003 -2841.2	148 001 1426.6	148 002 -624.9	148 003 3445.5
153 001 1429.6	153 002 -590.6	153 003 3457.2	154 001 1213.6
154 002 -419.3	154 003 -2845.8	155 001 1429.6	155 002 -624.9
155 003 3457.2	156 001 1213.6	156 002 -453.6	156 003 -2845.8
159 001 1216.6	159 002 -419.3	159 003 -2850.0	162 001 1432.3
162 002 -590.6	162 003 3467.6	165 001 1432.3	165 002 -624.9
165 003 3467.6	168 001 1216.6	168 002 -453.6	168 003 -2850.0
216 001 1041.8	216 002 -414.7	216 003 2520.1	220 001 942.6
220 002 -239.4	220 003 -2215.2		

END

ZS 13 : Mierny vietor pod uhlom 45 st. + extremna N - ZS 3a

TLAC 000

143 001	1294.0	143 002	-419.3	143 003	-2989.0	146 001	1518.7
146 002	-590.6	146 003	3404.0	147 001	1294.0	147 002	-453.6
147 003	-2989.0	148 001	1518.7	148 002	-624.9	148 003	3404.0
153 001	1529.9	153 002	-590.6	153 003	3411.7	154 001	1310.4
154 002	-419.3	154 003	-3019.9	155 001	1529.9	155 002	-624.9
155 003	3411.7	156 001	1310.4	156 002	-453.6	156 003	-3019.9
159 001	1324.8	159 002	-419.3	159 003	-3047.4	162 001	1539.6
162 002	-590.6	162 003	3418.7	165 001	1539.6	165 002	-624.9
165 003	3418.7	168 001	1324.8	168 002	-453.6	168 003	-3047.4
216 001	1135.2	216 002	-414.7	216 003	2476.6	220 001	1041.2
220 002	-239.4	220 003	-2413.8				

END

ZS 14 : Extremny vietor kolmo na vedenie + menovita N - ZS 3b

TLAC 000

143 001	973.6	143 002	-297.5	143 003	-1903.4	146 001	1331.8
146 002	-370.1	146 003	2586.9	147 001	973.6	147 002	-331.8
147 003	-1903.4	148 001	1331.8	148 002	-404.4	148 003	2586.9
153 001	1391.3	153 002	-370.1	153 003	2675.7	154 001	1016.5
154 002	-297.5	154 003	-1967.9	155 001	1391.3	155 002	-404.4
155 003	2675.7	156 001	1016.5	156 002	-331.8	156 003	-1967.9
159 001	1053.1	159 002	-297.5	159 003	-2023.7	162 001	1442.1
162 002	-370.1	162 003	2752.2	165 001	1442.1	165 002	-404.4
165 003	2752.2	168 001	1053.1	168 002	-331.8	168 003	-2023.7
216 001	1136.1	216 002	-223.0	216 003	2130.8	220 001	860.7
220 002	-130.6	220 003	-1653.5				

END

ZS 15 : Extremny vietor v smere vedenia + menovita N - ZS 3b

TLAC 000

143 001	681.9	143 002	-297.5	143 003	-1567.5	146 001	896.0
146 002	-370.1	146 003	2200.6	147 001	681.9	147 002	-331.8
147 003	-1567.5	148 001	896.0	148 002	-404.4	148 003	2200.6
153 001	904.9	153 002	-370.1	153 003	2227.9	154 001	689.7
154 002	-297.5	154 003	-1581.2	155 001	904.9	155 002	-404.4
155 003	2227.9	156 001	689.7	156 002	-331.8	156 003	-1581.2
159 001	696.7	159 002	-297.5	159 003	-1593.6	162 001	912.9
162 002	-370.1	162 003	2251.9	165 001	912.9	165 002	-404.4
165 003	2251.9	168 001	696.7	168 002	-331.8	168 003	-1593.6
216 001	651.2	216 002	-223.0	216 003	1592.4	220 001	537.5
220 002	-130.6	220 003	-1250.0				

END

ZS 16 : Extremny vietor sikmo na vedenie + menovita N - ZS 3b

TLAC 000

143 001	864.5	143 002	-297.5	143 003	-1928.0	146 001	1003.8
146 002	-370.1	146 003	2148.3	147 001	864.5	147 002	-331.8
147 003	-1928.0	148 001	1003.8	148 002	-404.4	148 003	2148.3
153 001	1022.2	153 002	-370.1	153 003	2170.3	154 001	897.5
154 002	-297.5	154 003	-1994.9	155 001	1022.2	155 002	-404.4
155 003	2170.3	156 001	897.5	156 002	-331.8	156 003	-1994.9
159 001	925.9	159 002	-297.5	159 003	-2052.7	162 001	1038.1
162 002	-370.1	162 003	2190.0	165 001	1038.1	165 002	-404.4
165 003	2190.0	168 001	925.9	168 002	-331.8	168 003	-2052.7
216 001	747.3	216 002	-223.0	216 003	1541.6	220 001	745.0
220 002	-130.6	220 003	-1706.5				

END

ZS 17 : Zabezpec. zat.- Pretrh.lana v posob.c.216 - ZS 5a

TLAC 000

143 001	680.9	143 002	-239.9	143 003	-1620.5	146 001	900.7
146 002	-387.1	146 003	2143.8	147 001	680.9	147 002	-274.2
147 003	-1620.5	148 001	900.7	148 002	-421.4	148 003	2143.8
153 001	900.7	153 002	-387.1	153 003	2143.8	154 001	680.9
154 002	-239.9	154 003	-1620.5	155 001	900.7	155 002	-421.4

155 003 2143.8	156 001 680.9	156 002 -274.2	156 003 -1620.5
159 001 680.9	159 002 -239.9	159 003 -1620.5	162 001 900.7
162 002 -387.1	162 003 2143.8	165 001 900.7	165 002 -421.4
165 003 2143.8	168 001 680.9	168 002 -274.2	168 003 -1620.5
220 001 506.2	220 002 -138.9	220 003 -1204.7	

END

ZS 18 : Zabezpec. zat.- Pretrh.lana v posob.c.165 - ZS 5a

TLAC 000

143 001 680.9	143 002 -239.9	143 003 -1620.5	146 001 900.7
146 002 -387.1	146 003 2143.8	147 001 680.9	147 002 -274.2
147 003 -1620.5	148 001 900.7	148 002 -421.4	148 003 2143.8
153 001 900.7	153 002 -387.1	153 003 2143.8	154 001 680.9
154 002 -239.9	154 003 -1620.5	155 001 900.7	155 002 -421.4
155 003 2143.8	156 001 680.9	156 002 -274.2	156 003 -1620.5
159 001 680.9	159 002 -239.9	159 003 -1620.5	162 001 900.7
162 002 -387.1	162 003 2143.8	168 001 680.9	168 002 -274.2
168 003 -1620.5	216 001 617.7	216 002 -237.8	216 003 1470.2
220 001 506.2	220 002 -138.9	220 003 -1204.7	

END

ZS 19 : Zabezpec. zat.- Pretrh.lana v posob.c.162 - ZS 5a

TLAC 000

143 001 680.9	143 002 -239.9	143 003 -1620.5	146 001 900.7
146 002 -387.1	146 003 2143.8	147 001 680.9	147 002 -274.2
147 003 -1620.5	148 001 900.7	148 002 -421.4	148 003 2143.8
153 001 900.7	153 002 -387.1	153 003 2143.8	154 001 680.9
154 002 -239.9	154 003 -1620.5	155 001 900.7	155 002 -421.4
155 003 2143.8	156 001 680.9	156 002 -274.2	156 003 -1620.5
159 001 680.9	159 002 -239.9	159 003 -1620.5	165 001 900.7
165 002 -421.4	165 003 2143.8	168 001 680.9	168 002 -274.2
168 003 -1620.5	216 001 617.7	216 002 -237.8	216 003 1470.2
220 001 506.2	220 002 -138.9	220 003 -1204.7	

END

ZS 20 : Zabezpec. zat.- Pretrh.lana v posob.c.155 - ZS 5a

TLAC 000

143 001 680.9	143 002 -239.9	143 003 -1620.5	146 001 900.7
146 002 -387.1	146 003 2143.8	147 001 680.9	147 002 -274.2
147 003 -1620.5	148 001 900.7	148 002 -421.4	148 003 2143.8
153 001 900.7	153 002 -387.1	153 003 2143.8	154 001 680.9
154 002 -239.9	154 003 -1620.5	156 001 680.9	156 002 -274.2
156 003 -1620.5	159 001 680.9	159 002 -239.9	159 003 -1620.5
162 001 900.7	162 002 -387.1	162 003 2143.8	165 001 900.7
165 002 -421.4	165 003 2143.8	168 001 680.9	168 002 -274.2
168 003 -1620.5	216 001 617.7	216 002 -237.8	216 003 1470.2
220 001 506.2	220 002 -138.9	220 003 -1204.7	

END

ZS 21 : Zabezpec. zat.- Pretrh.lana v posob.c.153 - ZS 5a

TLAC 000

143 001 680.9	143 002 -239.9	143 003 -1620.5	146 001 900.7
146 002 -387.1	146 003 2143.8	147 001 680.9	147 002 -274.2
147 003 -1620.5	148 001 900.7	148 002 -421.4	148 003 2143.8
154 001 680.9	154 002 -239.9	154 003 -1620.5	155 001 900.7
155 002 -421.4	155 003 2143.8	156 001 680.9	156 002 -274.2
156 003 -1620.5	159 001 680.9	159 002 -239.9	159 003 -1620.5
162 001 900.7	162 002 -387.1	162 003 2143.8	165 001 900.7
165 002 -421.4	165 003 2143.8	168 001 680.9	168 002 -274.2
168 003 -1620.5	216 001 617.7	216 002 -237.8	216 003 1470.2
220 001 506.2	220 002 -138.9	220 003 -1204.7	

END

ZS 22 : Zabezpec. zat.- Pretrh.lana v posob.c.148 - ZS 5a

TLAC 000

143 001 680.9	143 002 -239.9	143 003 -1620.5	146 001 900.7
146 002 -387.1	146 003 2143.8	147 001 680.9	147 002 -274.2

147 003 -1620.5	153 001 900.7	153 002 -387.1	153 003 2143.8
154 001 680.9	154 002 -239.9	154 003 -1620.5	155 001 900.7
155 002 -421.4	155 003 2143.8	156 001 680.9	156 002 -274.2
156 003 -1620.5	159 001 680.9	159 002 -239.9	159 003 -1620.5
162 001 900.7	162 002 -387.1	162 003 2143.8	165 001 900.7
165 002 -421.4	165 003 2143.8	168 001 680.9	168 002 -274.2
168 003 -1620.5	216 001 617.7	216 002 -237.8	216 003 1470.2
220 001 506.2	220 002 -138.9	220 003 -1204.7	

END

ZS 23 : Zabezpec. zat.- Pretrh.lana v posob.c.146 - ZS 5a

TLAC 000

143 001 680.9	143 002 -239.9	143 003 -1620.5	147 001 680.9
147 002 -274.2	147 003 -1620.5	148 001 900.7	148 002 -421.4
148 003 2143.8	153 001 900.7	153 002 -387.1	153 003 2143.8
154 001 680.9	154 002 -239.9	154 003 -1620.5	155 001 900.7
155 002 -421.4	155 003 2143.8	156 001 680.9	156 002 -274.2
156 003 -1620.5	159 001 680.9	159 002 -239.9	159 003 -1620.5
162 001 900.7	162 002 -387.1	162 003 2143.8	165 001 900.7
165 002 -421.4	165 003 2143.8	168 001 680.9	168 002 -274.2
168 003 -1620.5	216 001 617.7	216 002 -237.8	216 003 1470.2
220 001 506.2	220 002 -138.9	220 003 -1204.7	

END

ZS 24 : Zabezpec. zat.- Pretrh.lana v posob.c.220 - ZS 5a

TLAC 000

143 001 680.9	143 002 -239.9	143 003 -1620.5	146 001 900.7
146 002 -387.1	146 003 2143.8	147 001 680.9	147 002 -274.2
147 003 -1620.5	148 001 900.7	148 002 -421.4	148 003 2143.8
153 001 900.7	153 002 -387.1	153 003 2143.8	154 001 680.9
154 002 -239.9	154 003 -1620.5	155 001 900.7	155 002 -421.4
155 003 2143.8	156 001 680.9	156 002 -274.2	156 003 -1620.5
159 001 680.9	159 002 -239.9	159 003 -1620.5	162 001 900.7
162 002 -387.1	162 003 2143.8	165 001 900.7	165 002 -421.4
165 003 2143.8	168 001 680.9	168 002 -274.2	168 003 -1620.5
216 001 617.7	216 002 -237.8	216 003 1470.2	

END

ZS 25 : Zabezpec. zat.- Pretrh.lana v posob.c.168 - ZS 5a

TLAC 000

143 001 680.9	143 002 -239.9	143 003 -1620.5	146 001 900.7
146 002 -387.1	146 003 2143.8	147 001 680.9	147 002 -274.2
147 003 -1620.5	148 001 900.7	148 002 -421.4	148 003 2143.8
153 001 900.7	153 002 -387.1	153 003 2143.8	154 001 680.9
154 002 -239.9	154 003 -1620.5	155 001 900.7	155 002 -421.4
155 003 2143.8	156 001 680.9	156 002 -274.2	156 003 -1620.5
159 001 680.9	159 002 -239.9	159 003 -1620.5	162 001 900.7
162 002 -387.1	162 003 2143.8	165 001 900.7	165 002 -421.4
165 003 2143.8	216 001 617.7	216 002 -237.8	216 003 1470.2
220 001 506.2	220 002 -138.9	220 003 -1204.7	

END

ZS 26 : Zabezpec. zat.- Pretrh.lana v posob.c.159 - ZS 5a

TLAC 000

143 001 680.9	143 002 -239.9	143 003 -1620.5	146 001 900.7
146 002 -387.1	146 003 2143.8	147 001 680.9	147 002 -274.2
147 003 -1620.5	148 001 900.7	148 002 -421.4	148 003 2143.8
153 001 900.7	153 002 -387.1	153 003 2143.8	154 001 680.9
154 002 -239.9	154 003 -1620.5	155 001 900.7	155 002 -421.4
155 003 2143.8	156 001 680.9	156 002 -274.2	156 003 -1620.5
162 001 900.7	162 002 -387.1	162 003 2143.8	165 001 900.7
165 002 -421.4	165 003 2143.8	168 001 680.9	168 002 -274.2
168 003 -1620.5	216 001 617.7	216 002 -237.8	216 003 1470.2
220 001 506.2	220 002 -138.9	220 003 -1204.7	

END

ZS 27 : Zabezpec. zat.- Pretrh.lana v posob.c.156 - ZS 5a

TLAC 000

143 001	680.9	143 002	-239.9	143 003	-1620.5	146 001	900.7
146 002	-387.1	146 003	2143.8	147 001	680.9	147 002	-274.2
147 003	-1620.5	148 001	900.7	148 002	-421.4	148 003	2143.8
153 001	900.7	153 002	-387.1	153 003	2143.8	154 001	680.9
154 002	-239.9	154 003	-1620.5	155 001	900.7	155 002	-421.4
155 003	2143.8	159 001	680.9	159 002	-239.9	159 003	-1620.5
162 001	900.7	162 002	-387.1	162 003	2143.8	165 001	900.7
165 002	-421.4	165 003	2143.8	168 001	680.9	168 002	-274.2
168 003	-1620.5	216 001	617.7	216 002	-237.8	216 003	1470.2
220 001	506.2	220 002	-138.9	220 003	-1204.7		

END

ZS 28 : Zabezpec. zat.- Pretrh.lana v posob.c.154 - ZS 5a

TLAC 000

143 001	680.9	143 002	-239.9	143 003	-1620.5	146 001	900.7
146 002	-387.1	146 003	2143.8	147 001	680.9	147 002	-274.2
147 003	-1620.5	148 001	900.7	148 002	-421.4	148 003	2143.8
153 001	900.7	153 002	-387.1	153 003	2143.8	155 001	900.7
155 002	-421.4	155 003	2143.8	156 001	680.9	156 002	-274.2
156 003	-1620.5	159 001	680.9	159 002	-239.9	159 003	-1620.5
162 001	900.7	162 002	-387.1	162 003	2143.8	165 001	900.7
165 002	-421.4	165 003	2143.8	168 001	680.9	168 002	-274.2
168 003	-1620.5	216 001	617.7	216 002	-237.8	216 003	1470.2
220 001	506.2	220 002	-138.9	220 003	-1204.7		

END

ZS 29 : Zabezpec. zat.- Pretrh.lana v posob.c.147 - ZS 5a

TLAC 000

143 001	680.9	143 002	-239.9	143 003	-1620.5	146 001	900.7
146 002	-387.1	146 003	2143.8	148 001	900.7	148 002	-421.4
148 003	2143.8	153 001	900.7	153 002	-387.1	153 003	2143.8
154 001	680.9	154 002	-239.9	154 003	-1620.5	155 001	900.7
155 002	-421.4	155 003	2143.8	156 001	680.9	156 002	-274.2
156 003	-1620.5	159 001	680.9	159 002	-239.9	159 003	-1620.5
162 001	900.7	162 002	-387.1	162 003	2143.8	165 001	900.7
165 002	-421.4	165 003	2143.8	168 001	680.9	168 002	-274.2
168 003	-1620.5	216 001	617.7	216 002	-237.8	216 003	1470.2
220 001	506.2	220 002	-138.9	220 003	-1204.7		

END

ZS 30 : Zabezpec. zat.- Pretrh.lana v posob.c.143 - ZS 5a

TLAC 000

146 001	900.7	146 002	-387.1	146 003	2143.8	147 001	680.9
147 002	-274.2	147 003	-1620.5	148 001	900.7	148 002	-421.4
148 003	2143.8	153 001	900.7	153 002	-387.1	153 003	2143.8
154 001	680.9	154 002	-239.9	154 003	-1620.5	155 001	900.7
155 002	-421.4	155 003	2143.8	156 001	680.9	156 002	-274.2
156 003	-1620.5	159 001	680.9	159 002	-239.9	159 003	-1620.5
162 001	900.7	162 002	-387.1	162 003	2143.8	165 001	900.7
165 002	-421.4	165 003	2143.8	168 001	680.9	168 002	-274.2
168 003	-1620.5	216 001	617.7	216 002	-237.8	216 003	1470.2
220 001	506.2	220 002	-138.9	220 003	-1204.7		

END

ZS 31 : Zabezp.zataz - pozdlzny ohyb - zadne rozpatie - ZS 5c

TLAC 000

146 001	993.1	146 002	-421.0	146 003	2363.6	148 001	993.1
148 002	-455.3	148 003	2363.6	153 001	993.1	153 002	-421.0
153 003	2363.6	155 001	993.1	155 002	-455.3	155 003	2363.6
162 001	993.1	162 002	-421.0	162 003	2363.6	165 001	993.1
165 002	-455.3	165 003	2363.6	216 001	691.5	216 002	-267.3
216 003	1645.9						

END

ZS 32 : Zabezp.zataz - pozdlzny ohyb - predne rozpatie - ZS 5c

TLAC 000

143 001	772.0	143 002	-258.6	143 003	-1837.4	147 001	772.0
147 002	-292.9	147 003	-1837.4	154 001	772.0	154 002	-258.6
154 003	-1837.4	156 001	772.0	156 002	-292.9	156 003	-1837.4
159 001	772.0	159 002	-258.6	159 003	-1837.4	168 001	772.0
168 002	-292.9	168 003	-1837.4	220 001	580.6	220 002	-155.7
220 003	-1381.9						

END

ZS 33 : Montaz lana v posob. 216-ZS 6

TLAC 000

143 001	273.6	143 002	-115.9	143 003	-651.2	146 001	-273.6
146 002	-407.8	146 003	651.2	147 001	273.6	147 002	-150.2
147 003	-651.2	148 001	-273.6	148 002	-407.8	148 003	651.2
153 001	-273.6	153 002	-407.8	153 003	651.2	154 001	273.6
154 002	-115.9	154 003	-651.2	155 001	-273.6	155 002	-407.8
155 003	651.2	156 001	273.6	156 002	-150.2	156 003	-651.2
159 001	273.6	159 002	-115.9	159 003	-651.2	162 001	-273.6
162 002	-407.8	162 003	651.2	165 001	-273.6	165 002	-407.8
165 003	651.2	168 001	273.6	168 002	-150.2	168 003	-651.2
216 001	-116.1	216 002	-908.5	216 003	471.6	220 001	157.1
220 002	-22.9	220 003	-374.0				

END

ZS 34 : Montaz lana v posob. 165-ZS 6

TLAC 000

143 001	273.6	143 002	-115.9	143 003	-651.2	146 001	-273.6
146 002	-407.8	146 003	651.2	147 001	273.6	147 002	-150.2
147 003	-651.2	148 001	-273.6	148 002	-407.8	148 003	651.2
153 001	-273.6	153 002	-407.8	153 003	651.2	154 001	273.6
154 002	-115.9	154 003	-651.2	155 001	-273.6	155 002	-407.8
155 003	651.2	156 001	273.6	156 002	-150.2	156 003	-651.2
159 001	273.6	159 002	-115.9	159 003	-651.2	162 001	-273.6
162 002	-407.8	162 003	651.2	165 001	-201.0	165 002	-1599.1
165 003	824.0	168 001	273.6	168 002	-150.2	168 003	-651.2
216 001	278.3	216 002	-70.8	216 003	662.5	220 001	157.1
220 002	-22.9	220 003	-374.0				

END

ZS 35 : Montaz lana v posob. 162-ZS 6

TLAC 000

143 001	273.6	143 002	-115.9	143 003	-651.2	146 001	-273.6
146 002	-407.8	146 003	651.2	147 001	273.6	147 002	-150.2
147 003	-651.2	148 001	-273.6	148 002	-407.8	148 003	651.2
153 001	-273.6	153 002	-407.8	153 003	651.2	154 001	273.6
154 002	-115.9	154 003	-651.2	155 001	-273.6	155 002	-407.8
155 003	651.2	156 001	273.6	156 002	-150.2	156 003	-651.2
159 001	273.6	159 002	-115.9	159 003	-651.2	162 001	-201.0
162 002	-1564.7	162 003	824.0	165 001	492.5	165 002	-236.7
165 003	1172.2	168 001	273.6	168 002	-150.2	168 003	-651.2
216 001	278.3	216 002	-70.8	216 003	662.5	220 001	157.1
220 002	-22.9	220 003	-374.0				

END

ZS 36 : Montaz lana v posob. 155-ZS 6

TLAC 000

143 001	273.6	143 002	-115.9	143 003	-651.2	146 001	-273.6
146 002	-407.8	146 003	651.2	147 001	273.6	147 002	-150.2
147 003	-651.2	148 001	-273.6	148 002	-407.8	148 003	651.2
153 001	-273.6	153 002	-407.8	153 003	651.2	154 001	273.6
154 002	-115.9	154 003	-651.2	155 001	-201.0	155 002	-1599.1
155 003	824.0	156 001	273.6	156 002	-150.2	156 003	-651.2
159 001	273.6	159 002	-115.9	159 003	-651.2	162 001	492.5
162 002	-202.4	162 003	1172.2	165 001	492.5	165 002	-236.7
165 003	1172.2	168 001	273.6	168 002	-150.2	168 003	-651.2
216 001	278.3	216 002	-70.8	216 003	662.5	220 001	157.1
220 002	-22.9	220 003	-374.0				

END

ZS 37 : Montaz lana v posob. 153-ZS 6

TLAC 000

143 001	273.6	143 002	-115.9	143 003	-651.2	146 001	-273.6
146 002	-407.8	146 003	651.2	147 001	273.6	147 002	-150.2
147 003	-651.2	148 001	-273.6	148 002	-407.8	148 003	651.2
153 001	-201.0	153 002	-1564.7	153 003	824.0	154 001	273.6
154 002	-115.9	154 003	-651.2	155 001	492.5	155 002	-236.7
155 003	1172.2	156 001	273.6	156 002	-150.2	156 003	-651.2
159 001	273.6	159 002	-115.9	159 003	-651.2	162 001	492.5
162 002	-202.4	162 003	1172.2	165 001	492.5	165 002	-236.7
165 003	1172.2	168 001	273.6	168 002	-150.2	168 003	-651.2
216 001	278.3	216 002	-70.8	216 003	662.5	220 001	157.1
220 002	-22.9	220 003	-374.0				

END

ZS 38 : Montaz lana v posob. 148-ZS 6

TLAC 000

143 001	273.6	143 002	-115.9	143 003	-651.2	146 001	-273.6
146 002	-407.8	146 003	651.2	147 001	273.6	147 002	-150.2
147 003	-651.2	148 001	-201.0	148 002	-1599.1	148 003	824.0
153 001	492.5	153 002	-202.4	153 003	1172.2	154 001	273.6
154 002	-115.9	154 003	-651.2	155 001	492.5	155 002	-236.7
155 003	1172.2	156 001	273.6	156 002	-150.2	156 003	-651.2
159 001	273.6	159 002	-115.9	159 003	-651.2	162 001	492.5
162 002	-202.4	162 003	1172.2	165 001	492.5	165 002	-236.7
165 003	1172.2	168 001	273.6	168 002	-150.2	168 003	-651.2
216 001	278.3	216 002	-70.8	216 003	662.5	220 001	157.1
220 002	-22.9	220 003	-374.0				

END

ZS 39 : Montaz lana v posob. 146-ZS 6

TLAC 000

143 001	273.6	143 002	-115.9	143 003	-651.2	146 001	-201.0
146 002	-1564.7	146 003	824.0	147 001	273.6	147 002	-150.2
147 003	-651.2	148 001	492.5	148 002	-236.7	148 003	1172.2
153 001	492.5	153 002	-202.4	153 003	1172.2	154 001	273.6
154 002	-115.9	154 003	-651.2	155 001	492.5	155 002	-236.7
155 003	1172.2	156 001	273.6	156 002	-150.2	156 003	-651.2
159 001	273.6	159 002	-115.9	159 003	-651.2	162 001	492.5
162 002	-202.4	162 003	1172.2	165 001	492.5	165 002	-236.7
165 003	1172.2	168 001	273.6	168 002	-150.2	168 003	-651.2
216 001	278.3	216 002	-70.8	216 003	662.5	220 001	157.1
220 002	-22.9	220 003	-374.0				

END

KOMB ZS 40: 1+2+4

DISK

KOMB

1	1.000	2	1.000	4	1.000
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END

KOMB ZS 41: 1+3+5

DISK

KOMB

1	1.000	3	1.000	5	1.000
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END

KOMB ZS 42: 1+2+3+6

DISK

KOMB

1	1.000	2	1.000	3	1.000	6	1.000
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END

KOMB ZS 43: 1+7

DISK

KOMB

1	1.000	7	1.000
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END
KOMB ZS 44: 1+8
DISK
KOMB
  1  1.000  8  1.000
END
KOMB ZS 45: 1+9
DISK
KOMB
  1  1.000  9  1.000
END
KOMB ZS 46: 1+10
DISK
KOMB
  1  1.000 10  1.000
END
KOMB ZS 47: 1+2+11
DISK
KOMB
  1  1.000  2  0.500 11  1.000
END
KOMB ZS 48: 1+3+12
DISK
KOMB
  1  1.000  3  0.500 12  1.000
END
KOMB ZS 49: 1+2+3+13
DISK
KOMB
  1  1.000  2  0.500  3  0.500 13  1.000
END
KOMB ZS 47: 1+2+11
DISK
KOMB
  1  1.000  2  1.000 14  1.000
END
KOMB ZS 48: 1+3+12
DISK
KOMB
  1  1.000  3  1.000 15  1.000
END
KOMB ZS 49: 1+2+3+13
DISK
KOMB
  1  1.000  2  1.000  3  1.000 16  1.000
END
KOMB ZS 53: 1+17
DISK
KOMB
  1  1.000 17  1.000
END
KOMB ZS 54: 1+18
DISK
KOMB
  1  1.000 18  1.000
END
KOMB ZS 55: 1+19
DISK
KOMB
  1  1.000 19  1.000
END
KOMB ZS 56: 1+20

```

DISK
KOMB
1 1.000 20 1.000
END
KOMB ZS 57: 1+21
DISK
KOMB
1 1.000 21 1.000
END
KOMB ZS 58: 1+22
DISK
KOMB
1 1.000 22 1.000
END
KOMB ZS 59: 1+23
DISK
KOMB
1 1.000 23 1.000
END
KOMB ZS 60: 1+24
DISK
KOMB
1 1.000 24 1.000
END
KOMB ZS 61: 1+25
DISK
KOMB
1 1.000 25 1.000
END
KOMB ZS 62: 1+26
DISK
KOMB
1 1.000 26 1.000
END
KOMB ZS 63: 1+27
DISK
KOMB
1 1.000 27 1.000
END
KOMB ZS 64: 1+28
DISK
KOMB
1 1.000 28 1.000
END
KOMB ZS 65: 1+29
DISK
KOMB
1 1.000 29 1.000
END
KOMB ZS 66: 1+30
DISK
KOMB
1 1.000 30 1.000
END
KOMB ZS 67: 1+31
DISK
KOMB
1 1.000 31 1.000
END
KOMB ZS 68: 1+32
DISK
KOMB

```
1 1.000 32 1.000
END
KOMB ZS 69: 1+33
DISK
KOMB
1 1.000 33 1.000
END
KOMB ZS 70: 1+34
DISK
KOMB
1 1.000 34 1.000
END
KOMB ZS 71: 1+35
DISK
KOMB
1 1.000 35 1.000
END
KOMB ZS 72: 1+36
DISK
KOMB
1 1.000 36 1.000
END
KOMB ZS 73: 1+37
DISK
KOMB
1 1.000 37 1.000
END
KOMB ZS 74: 1+38
DISK
KOMB
1 1.000 38 1.000
END
KOMB ZS 75: 1+39
DISK
KOMB
1 1.000 39 1.000
END
```

4. Dimenzační tabulka prutů V30+0

Stožiar : V30+0

Norma : ČSN Pocet prutov : 656 Datum : Wed Apr 26 09:33:32 2017

Medzný stav použiteľnosti - vychýlenie vrcholu stožiaru

Material uholnikov : ocel 52J2- medza klzu v tahu = 355.0 MPa

Vrubová húževnatosť 27 KV (J) pri -20°

Material skrutiek : kval 8.8 - medza klzu v tahu = 500.0 MPa

Vyznam hodnot v nasledovnej tabulke :

Prut : cislo pruta
 Diel : nazov dielca
 Typ : skratka pre staticky vyznam pruta podla nasledujuceho :

ru ... rohovy uholnik
 th ... tiahlo
 dp ... dolny pas
 hp ... horny pas
 hd ... hlavna diagonala
 rv ... ramova vyztuha
 vr ... vodorovny ram
 pp ... podruzny prut

Rozmer : oznacenie a rozmery uholnika v [mm]
 Kval : kvalita materialu uholnikov alebo skrutiek
 Lskut : skutocna dlzka pruta v [cm]
 Lcrit : vzperna dlzka pruta v [cm]
 DovSt : dovolena stihlost
 SkutSt : skutocna stihlost
 VyTlak : vyuzitie pruta vo vzpernom tlaku
 VyTah : vyuzitie pruta v tahu
 ZStlak : cislo ZS pre dimenzacnu tlakovu silu
 ZStah : cislo ZS pre dimenzacnu tahovu silu
 VyStrih : vyuzitie pripojenia na strih
 VyOtl : vyuzitie pripojenia v otlaceni
 Zahl : zahlavie ako nasobok priemeru otvoru
 Pprir : pocet pripojenych prirub

Prut	Diel	Rozmer	Prip.	Lskut	DovSt	VyTlak	ZStlak	VyStrih	Zahl
cis.	Typ	Kval	Kval	Lcrit	SkutSt	VyTah	ZStah	VyOtl	Pprir
1	d4	L	60x 6	1M16/1	130.3	250	0.1061	47	0.1082
	pp	52	8.8	130.3	110.5	0.0116	67	0.1707	1.50
2	d4	L	60x 6	1M16/1	130.3	250	0.1310	47	0.1336
	pp	52	8.8	130.3	110.5	0.0095	68	0.2107	1.50
3	d4	L	60x 6	1M16/1	130.3	250	0.1017	67	0.1038
	pp	52	8.8	130.3	110.5	0.0449	68	0.1636	1.50
4	d4	L	60x 6	1M16/1	130.3	250	0.0629	67	0.0884
	pp	52	8.8	130.3	110.5	0.0695	68	0.1395	1.50
5	d4	L	60x 6	1M16/1	130.3	250	0.0065	67	0.1199
	pp	52	8.8	130.3	110.5	0.0942	47	0.1890	1.50
6	d4	L	60x 6	1M16/1	130.3	250	0.0047	68	0.1451
									1.50

		pp		52		8.8		130.3		110.5		0.1140		47		0.2288		1	
+																			+
	7	d4	L	60x	6	1M16/1		130.3		250		0.0491		68		0.1120		1.50	
		pp		52		8.8		130.3		110.5		0.0880		67		0.1766		1	
+																			+
	8	d4	L	60x	6	1M16/1		130.3		250		0.0796		68		0.0812		1.50	
		pp		52		8.8		130.3		110.5		0.0567		67		0.1280		1	
+																			+
	9	d4	L	60x	6	1M16/1		124.4		250		0.1321		47		0.1445		1.50	
		pp		52		8.8		124.4		105.5		0.0078		69		0.2278		1	
+																			+
	10	d4	L	60x	6	1M16/1		124.4		250		0.1548		47		0.1692		1.50	
		pp		52		8.8		124.4		105.5		0.0050		69		0.2669		1	
+																			+
	11	d4	L	60x	6	1M16/1		124.4		250		0.1181		67		0.1291		1.50	
		pp		52		8.8		124.4		105.5		0.0622		68		0.2036		1	
+																			+
	12	d4	L	60x	6	1M16/1		124.4		250		0.0821		67		0.1098		1.50	
		pp		52		8.8		124.4		105.5		0.0862		68		0.1731		1	
+																			+
	13	d4	L	60x	6	1M16/1		124.4		250		0.0000		67		0.1591		1.50	
		pp		52		8.8		124.4		105.5		0.1250		47		0.2509		1	
+																			+
	14	d4	L	60x	6	1M16/1		124.4		250		0.0000		68		0.1843		1.50	
		pp		52		8.8		124.4		105.5		0.1447		47		0.2906		1	
+																			+
	15	d4	L	60x	6	1M16/1		124.4		250		0.0641		68		0.1390		1.50	
		pp		52		8.8		124.4		105.5		0.1092		67		0.2192		1	
+																			+
	16	d4	L	60x	6	1M16/1		124.4		250		0.0924		68		0.1011		1.50	
		pp		52		8.8		124.4		105.5		0.0787		67		0.1594		1	
+																			+
	17	d4	L	60x	6	1M16/1		118.5		250		0.1203		47		0.1411		1.50	
		pp		52		8.8		118.5		100.5		0.0078		69		0.2225		1	
+																			+
	18	d4	L	60x	6	1M16/1		118.5		250		0.1412		47		0.1657		1.50	
		pp		52		8.8		118.5		100.5		0.0048		69		0.2613		1	
+																			+
	19	d4	L	60x	6	1M16/1		118.5		250		0.1080		67		0.1267		1.50	
		pp		52		8.8		118.5		100.5		0.0608		68		0.1998		1	
+																			+
	20	d4	L	60x	6	1M16/1		118.5		250		0.0746		67		0.1078		1.50	
		pp		52		8.8		118.5		100.5		0.0847		68		0.1700		1	
+																			+
	21	d4	L	60x	6	1M16/1		118.5		250		0.0000		67		0.1560		1.50	
		pp		52		8.8		118.5		100.5		0.1226		47		0.2461		1	
+																			+
	22	d4	L	60x	6	1M16/1		118.5		250		0.0000		68		0.1811		1.50	
		pp		52		8.8		118.5		100.5		0.1422		47		0.2856		1	
+																			+
	23	d4	L	60x	6	1M16/1		118.5		250		0.0584		68		0.1365		1.50	
		pp		52		8.8		118.5		100.5		0.1072		67		0.2153		1	
+																			+
	24	d4	L	60x	6	1M16/1		118.5		250		0.0846		68		0.0993		1.50	
		pp		52		8.8		118.5		100.5		0.0769		67		0.1566		1	
+																			+
	25	d4	L	60x	6	1M16/1		112.6		250		0.0915		47		0.1153		1.50	
		pp		52		8.8		112.6		95.5		0.0102		67		0.1818		1	
+																			+
	26	d4	L	60x	6	1M16/1		112.6		250		0.1114		47		0.1403		1.50	
		pp		52		8.8		112.6		95.5		0.0084		68		0.2213		1	
+																			+

	27	d4	L	60x	6	1M16/1	112.6	250	0.0871	67	0.1097	1.50	
		pp		52		8.8	112.6	95.5	0.0496	68	0.1730	1	
+													
	28	d4	L	60x	6	1M16/1	112.6	250	0.0554	67	0.0940	1.50	
		pp		52		8.8	112.6	95.5	0.0738	68	0.1483	1	
+													
	29	d4	L	60x	6	1M16/1	112.6	250	0.0029	67	0.1286	1.50	
		pp		52		8.8	112.6	95.5	0.1010	47	0.2028	1	
+													
	30	d4	L	60x	6	1M16/1	112.6	250	0.0020	68	0.1541	1.50	
		pp		52		8.8	112.6	95.5	0.1211	47	0.2430	1	
+													
	31	d4	L	60x	6	1M16/1	112.6	250	0.0433	68	0.1189	1.50	
		pp		52		8.8	112.6	95.5	0.0934	67	0.1875	1	
+													
	32	d4	L	60x	6	1M16/1	112.6	250	0.0682	68	0.0859	1.50	
		pp		52		8.8	112.6	95.5	0.0626	67	0.1355	1	
+													
	33	d4	L	70x	6	2M16/1	153.1	250	0.2795	67	0.1679	2.00	
		hd		52		8.8	153.1	110.6	0.1168	68	0.1985	1	
+													
	34	d4	L	70x	6	2M16/1	146.3	250	0.2158	67	0.1387	2.00	
		hd		52		8.8	146.3	105.7	0.1021	68	0.1640	1	
+													
	35	d4	L	70x	6	2M16/1	153.1	250	0.2193	68	0.2009	2.00	
		hd		52		8.8	153.1	110.6	0.1499	67	0.2377	1	
+													
	36	d4	L	70x	6	2M16/1	146.3	250	0.1684	68	0.1752	2.00	
		hd		52		8.8	146.3	105.7	0.1307	67	0.2072	1	
+													
	37	d4	L	70x	6	2M16/1	148.0	250	0.2937	67	0.1856	2.00	
		hd		52		8.8	148.0	106.9	0.1180	68	0.2195	1	
+													
	38	d4	L	70x	6	2M16/1	141.2	250	0.2313	67	0.1565	2.00	
		hd		52		8.8	141.2	102.0	0.1033	68	0.1851	1	
+													
	39	d4	L	70x	6	2M16/1	148.0	250	0.2303	68	0.2028	2.00	
		hd		52		8.8	148.0	106.9	0.1513	67	0.2398	1	
+													
	40	d4	L	70x	6	2M16/1	141.2	250	0.1805	68	0.1772	2.00	
		hd		52		8.8	141.2	102.0	0.1321	67	0.2095	1	
+													
	41	d4	L	70x	6	2M16/1	143.0	250	0.2948	67	0.1959	2.00	
		hd		52		8.8	143.0	103.3	0.1256	68	0.2317	1	
+													
	42	d4	L	70x	6	2M16/1	136.1	250	0.2342	67	0.1671	2.00	
		hd		52		8.8	136.1	98.3	0.1105	68	0.1976	1	
+													
	43	d4	L	70x	6	2M16/1	143.0	250	0.2311	68	0.2158	2.00	
		hd		52		8.8	143.0	103.3	0.1609	67	0.2552	1	
+													
	44	d4	L	70x	6	2M16/1	136.1	250	0.1828	68	0.1895	2.00	
		hd		52		8.8	136.1	98.3	0.1413	67	0.2241	1	
+													
	45	d4	L	70x	6	2M16/1	138.1	250	0.2897	67	0.2024	2.00	
		hd		52		8.8	138.1	99.8	0.1370	68	0.2394	1	
+													
	46	d4	L	70x	6	2M16/1	131.1	250	0.2295	67	0.1723	2.00	
		hd		52		8.8	131.1	94.7	0.1214	68	0.2038	1	
+													
	47	d4	L	70x	6	2M16/1	138.1	250	0.2271	68	0.2354	2.00	
		hd		52		8.8	138.1	99.8	0.1756	67	0.2784	1	

48	d4	L	70x	6	2M16/1	131.1	250	0.1791	68	0.2084	2.00
	hd		52		8.8	131.1	94.7	0.1554	67	0.2464	1
49	d4	L	70x	6	2M16/1	153.1	250	0.3373	67	0.2025	2.00
	hd		52		8.8	153.1	110.6	0.0900	68	0.2395	1
50	d4	L	70x	6	2M16/1	146.3	250	0.2675	67	0.1719	2.00
	hd		52		8.8	146.3	105.7	0.0762	68	0.2033	1
51	d4	L	70x	6	2M16/1	153.1	250	0.2645	68	0.1589	2.00
	hd		52		8.8	153.1	110.6	0.1157	67	0.1879	1
52	d4	L	70x	6	2M16/1	146.3	250	0.2089	68	0.1343	2.00
	hd		52		8.8	146.3	105.7	0.0977	67	0.1588	1
53	d4	L	70x	6	2M16/1	148.0	250	0.3204	67	0.2025	2.00
	hd		52		8.8	148.0	106.9	0.1014	68	0.2395	1
54	d4	L	70x	6	2M16/1	141.2	250	0.2543	67	0.1721	2.00
	hd		52		8.8	141.2	102.0	0.0873	68	0.2036	1
55	d4	L	70x	6	2M16/1	148.0	250	0.2512	68	0.1746	2.00
	hd		52		8.8	148.0	106.9	0.1302	67	0.2065	1
56	d4	L	70x	6	2M16/1	141.2	250	0.1985	68	0.1499	2.00
	hd		52		8.8	141.2	102.0	0.1118	67	0.1773	1
57	d4	L	70x	6	2M16/1	143.0	250	0.3235	67	0.2150	2.00
	hd		52		8.8	143.0	103.3	0.1073	68	0.2543	1
58	d4	L	70x	6	2M16/1	136.1	250	0.2583	67	0.1842	2.00
	hd		52		8.8	136.1	98.3	0.0931	68	0.2179	1
59	d4	L	70x	6	2M16/1	143.0	250	0.2535	68	0.1846	2.00
	hd		52		8.8	143.0	103.3	0.1377	67	0.2184	1
60	d4	L	70x	6	2M16/1	136.1	250	0.2016	68	0.1599	2.00
	hd		52		8.8	136.1	98.3	0.1192	67	0.1891	1
61	d4	L	70x	6	2M16/1	138.1	250	0.3375	67	0.2358	2.00
	hd		52		8.8	138.1	99.8	0.1099	68	0.2789	1
62	d4	L	70x	6	2M16/1	131.1	250	0.2725	67	0.2047	2.00
	hd		52		8.8	131.1	94.7	0.0947	68	0.2421	1
63	d4	L	70x	6	2M16/1	138.1	250	0.2645	68	0.1891	2.00
	hd		52		8.8	138.1	99.8	0.1411	67	0.2237	1
64	d4	L	70x	6	2M16/1	131.1	250	0.2129	68	0.1629	2.00
	hd		52		8.8	131.1	94.7	0.1215	67	0.1927	1
65	d4	L	70x	6	2M16/1	153.1	250	0.0000	69	0.2796	2.00
	hd		52		8.8	153.1	110.6	0.2085	47	0.3306	1
66	d4	L	70x	6	2M16/1	146.3	250	0.0000	71	0.2408	2.00
	hd		52		8.8	146.3	105.7	0.1796	47	0.2849	1
67	d4	L	70x	6	2M16/1	153.1	250	0.4410	47	0.2648	2.00
	hd		52		8.8	153.1	110.6	0.0000	71	0.3132	1
68	d4	L	70x	6	2M16/1	146.3	250	0.3456	47	0.2221	2.00

	hd		52		8.8	146.3	105.7	0.0000	71	0.2627	1
69	d4	L	70x 6	2M16/1	148.0	250	0.0000	71	0.2858	2.00	
	hd		52		8.8	148.0	106.9	0.2131	47	0.3380	1
70	d4	L	70x 6	2M16/1	141.2	250	0.0000	71	0.2477	2.00	
	hd		52		8.8	141.2	102.0	0.1847	47	0.2929	1
71	d4	L	70x 6	2M16/1	148.0	250	0.4428	47	0.2798	2.00	
	hd		52		8.8	148.0	106.9	0.0000	71	0.3309	1
72	d4	L	70x 6	2M16/1	141.2	250	0.3515	47	0.2379	2.00	
	hd		52		8.8	141.2	102.0	0.0000	71	0.2814	1
73	d4	L	70x 6	2M16/1	143.0	250	0.0000	71	0.3003	2.00	
	hd		52		8.8	143.0	103.3	0.2240	47	0.3552	1
74	d4	L	70x 6	2M16/1	136.1	250	0.0000	71	0.2616	2.00	
	hd		52		8.8	136.1	98.3	0.1951	47	0.3093	1
75	d4	L	70x 6	2M16/1	143.0	250	0.4403	47	0.2926	2.00	
	hd		52		8.8	143.0	103.3	0.0000	71	0.3461	1
76	d4	L	70x 6	2M16/1	136.1	250	0.3515	47	0.2507	2.00	
	hd		52		8.8	136.1	98.3	0.0000	71	0.2965	1
77	d4	L	70x 6	2M16/1	138.1	250	0.0000	69	0.3192	2.00	
	hd		52		8.8	138.1	99.8	0.2381	47	0.3775	1
78	d4	L	70x 6	2M16/1	131.1	250	0.0000	71	0.2791	2.00	
	hd		52		8.8	131.1	94.7	0.2082	47	0.3301	1
79	d4	L	70x 6	2M16/1	138.1	250	0.4362	47	0.3048	2.00	
	hd		52		8.8	138.1	99.8	0.0000	71	0.3604	1
80	d4	L	70x 6	2M16/1	131.1	250	0.3480	47	0.2614	2.00	
	hd		52		8.8	131.1	94.7	0.0000	71	0.3091	1
81	d4	L	70x 6	2M16/1	153.1	250	0.0385	69	0.2585	2.00	
	hd		52		8.8	153.1	110.6	0.1928	47	0.3057	1
82	d4	L	70x 6	2M16/1	146.3	250	0.0301	69	0.2207	2.00	
	hd		52		8.8	146.3	105.7	0.1646	47	0.2610	1
83	d4	L	70x 6	2M16/1	153.1	250	0.4913	47	0.2951	2.00	
	hd		52		8.8	153.1	110.6	0.0073	69	0.3490	1
84	d4	L	70x 6	2M16/1	146.3	250	0.3911	47	0.2514	2.00	
	hd		52		8.8	146.3	105.7	0.0101	69	0.2973	1
85	d4	L	70x 6	2M16/1	148.0	250	0.0343	69	0.2761	2.00	
	hd		52		8.8	148.0	106.9	0.2059	47	0.3265	1
86	d4	L	70x 6	2M16/1	141.2	250	0.0278	69	0.2389	2.00	
	hd		52		8.8	141.2	102.0	0.1782	47	0.2825	1
87	d4	L	70x 6	2M16/1	148.0	250	0.4729	47	0.2988	2.00	
	hd		52		8.8	148.0	106.9	0.0089	69	0.3534	1
88	d4	L	70x 6	2M16/1	141.2	250	0.3787	47	0.2563	2.00	
	hd		52		8.8	141.2	102.0	0.0120	69	0.3031	1

	89	d4	L	70x	6	2M16/1	143.0	250	0.0342	69	0.2892	2.00	
		hd		52		8.8	143.0	103.3	0.2157	47	0.3420	1	
+													+
	90	d4	L	70x	6	2M16/1	136.1	250	0.0282	69	0.2516	2.00	
		hd		52		8.8	136.1	98.3	0.1877	47	0.2976	1	
+													+
	91	d4	L	70x	6	2M16/1	143.0	250	0.4721	47	0.3137	2.00	
		hd		52		8.8	143.0	103.3	0.0098	69	0.3711	1	
+													+
	92	d4	L	70x	6	2M16/1	136.1	250	0.3797	47	0.2708	2.00	
		hd		52		8.8	136.1	98.3	0.0127	69	0.3203	1	
+													+
	93	d4	L	70x	6	2M16/1	138.1	250	0.0369	69	0.2993	2.00	
		hd		52		8.8	138.1	99.8	0.2233	47	0.3540	1	
+													+
	94	d4	L	70x	6	2M16/1	131.1	250	0.0313	69	0.2600	2.00	
		hd		52		8.8	131.1	94.7	0.1939	47	0.3075	1	
+													+
	95	d4	L	70x	6	2M16/1	138.1	250	0.4798	47	0.3352	2.00	
		hd		52		8.8	138.1	99.8	0.0092	69	0.3965	1	
+													+
	96	d4	L	70x	6	2M16/1	131.1	250	0.3880	47	0.2914	2.00	
		hd		52		8.8	131.1	94.7	0.0120	69	0.3446	1	
+													+
	97	d3	L	60x	6	1M16/1	106.7	250	0.0838	47	0.1134	1.50	
		pp		52		8.8	106.7	90.5	0.0063	69	0.1789	1	
+													+
	98	d3	L	60x	6	1M16/1	106.7	250	0.1002	47	0.1357	1.50	
		pp		52		8.8	106.7	90.5	0.0050	68	0.2140	1	
+													+
	99	d3	L	60x	6	1M16/1	106.7	250	0.0784	67	0.1061	1.50	
		pp		52		8.8	106.7	90.5	0.0484	68	0.1673	1	
+													+
	100	d3	L	60x	6	1M16/1	106.7	250	0.0521	67	0.0890	1.50	
		pp		52		8.8	106.7	90.5	0.0699	68	0.1403	1	
+													+
	101	d3	L	60x	6	1M16/1	106.7	250	0.0006	67	0.1247	1.50	
		pp		52		8.8	106.7	90.5	0.0980	47	0.1967	1	
+													+
	102	d3	L	60x	6	1M16/1	106.7	250	0.0005	68	0.1474	1.50	
		pp		52		8.8	106.7	90.5	0.1158	47	0.2325	1	
+													+
	103	d3	L	60x	6	1M16/1	106.7	250	0.0410	68	0.1128	1.50	
		pp		52		8.8	106.7	90.5	0.0886	67	0.1779	1	
+													+
	104	d3	L	60x	6	1M16/1	106.7	250	0.0616	68	0.0835	1.50	
		pp		52		8.8	106.7	90.5	0.0614	67	0.1316	1	
+													+
	105	d3	L	60x	6	1M16/1	100.8	250	0.0921	47	0.1341	1.50	
		pp		52		8.8	100.8	85.5	0.0081	69	0.2114	1	
+													+
	106	d3	L	60x	6	1M16/1	100.8	250	0.1070	47	0.1557	1.50	
		pp		52		8.8	100.8	85.5	0.0043	69	0.2455	1	
+													+
	107	d3	L	60x	6	1M16/1	100.8	250	0.0817	67	0.1189	1.50	
		pp		52		8.8	100.8	85.5	0.0586	68	0.1875	1	
+													+
	108	d3	L	60x	6	1M16/1	100.8	250	0.0580	67	0.1011	1.50	
		pp		52		8.8	100.8	85.5	0.0794	68	0.1595	1	
+													+
	109	d3	L	60x	6	1M16/1	100.8	250	0.0000	67	0.1494	1.50	
		pp		52		8.8	100.8	85.5	0.1173	47	0.2356	1	

	110	d3	L	60x	6	1M16/1	100.8	250	0.0000	68	0.1715	1.50	
		pp		52		8.8	100.8	85.5	0.1347	47	0.2705	1	
+													+
	111	d3	L	60x	6	1M16/1	100.8	250	0.0455	68	0.1280	1.50	
		pp		52		8.8	100.8	85.5	0.1005	67	0.2018	1	
+													+
	112	d3	L	60x	6	1M16/1	100.8	250	0.0642	68	0.0943	1.50	
		pp		52		8.8	100.8	85.5	0.0740	67	0.1487	1	
+													+
	113	d3	L	60x	6	1M16/1	94.9	250	0.0817	47	0.1277	1.50	
		pp		52		8.8	94.9	80.5	0.0084	69	0.2014	1	
+													+
	114	d3	L	60x	6	1M16/1	94.9	250	0.0942	47	0.1473	1.50	
		pp		52		8.8	94.9	80.5	0.0042	69	0.2322	1	
+													+
	115	d3	L	60x	6	1M16/1	94.9	250	0.0724	67	0.1131	1.50	
		pp		52		8.8	94.9	80.5	0.0573	68	0.1784	1	
+													+
	116	d3	L	60x	6	1M16/1	94.9	250	0.0523	67	0.0969	1.50	
		pp		52		8.8	94.9	80.5	0.0761	68	0.1528	1	
+													+
	117	d3	L	60x	6	1M16/1	94.9	250	0.0000	69	0.1435	1.50	
		pp		52		8.8	94.9	80.5	0.1127	47	0.2263	1	
+													+
	118	d3	L	60x	6	1M16/1	94.9	250	0.0000	68	0.1636	1.50	
		pp		52		8.8	94.9	80.5	0.1285	47	0.2580	1	
+													+
	119	d3	L	60x	6	1M16/1	94.9	250	0.0412	68	0.1226	1.50	
		pp		52		8.8	94.9	80.5	0.0963	67	0.1934	1	
+													+
	120	d3	L	60x	6	1M16/1	94.9	250	0.0570	68	0.0923	1.50	
		pp		52		8.8	94.9	80.5	0.0725	67	0.1456	1	
+													+
	121	d3	L	60x	6	1M16/1	89.0	250	0.0542	47	0.0910	1.50	
		pp		52		8.8	89.0	75.5	0.0066	69	0.1434	1	
+													+
	122	d3	L	60x	6	1M16/1	89.0	250	0.0620	47	0.1040	1.50	
		pp		52		8.8	89.0	75.5	0.0014	69	0.1640	1	
+													+
	123	d3	L	60x	6	1M16/1	89.0	250	0.0520	67	0.0872	1.50	
		pp		52		8.8	89.0	75.5	0.0470	68	0.1375	1	
+													+
	124	d3	L	60x	6	1M16/1	89.0	250	0.0380	67	0.0754	1.50	
		pp		52		8.8	89.0	75.5	0.0592	68	0.1189	1	
+													+
	125	d3	L	60x	6	1M16/1	89.0	250	0.0000	70	0.1001	1.50	
		pp		52		8.8	89.0	75.5	0.0786	47	0.1579	1	
+													+
	126	d3	L	60x	6	1M16/1	89.0	250	0.0000	69	0.1137	1.50	
		pp		52		8.8	89.0	75.5	0.0893	47	0.1794	1	
+													+
	127	d3	L	60x	6	1M16/1	89.0	250	0.0300	68	0.0962	1.50	
		pp		52		8.8	89.0	75.5	0.0755	67	0.1517	1	
+													+
	128	d3	L	60x	6	1M16/1	89.0	250	0.0410	68	0.0764	1.50	
		pp		52		8.8	89.0	75.5	0.0600	67	0.1205	1	
+													+
	129	d3	L	70x	6	2M16/1	133.3	250	0.2943	67	0.2161	2.00	
		hd		52		8.8	133.3	96.3	0.1448	68	0.2555	1	
+													+
	130	d3	L	70x	6	2M16/1	126.1	250	0.2393	67	0.1893	2.00	

		hd		52		8.8		126.1		91.1		0.1304		68		0.2238		1	
+																			+
	131	d3	L	70x	6	2M16/1		133.3		250		0.2306		68		0.2487		2.00	
		hd		52		8.8		133.3		96.3		0.1855		67		0.2941		1	
+																			+
	132	d3	L	70x	6	2M16/1		126.1		250		0.1868		68		0.2237		2.00	
		hd		52		8.8		126.1		91.1		0.1668		67		0.2646		1	
+																			+
	133	d3	L	70x	6	2M16/1		128.6		250		0.3118		67		0.2403		2.00	
		hd		52		8.8		128.6		92.9		0.1514		68		0.2843		1	
+																			+
	134	d3	L	70x	6	2M16/1		121.2		250		0.2566		67		0.2136		2.00	
		hd		52		8.8		121.2		87.6		0.1371		68		0.2527		1	
+																			+
	135	d3	L	70x	6	2M16/1		128.6		250		0.2442		68		0.2598		2.00	
		hd		52		8.8		128.6		92.9		0.1938		67		0.3072		1	
+																			+
	136	d3	L	70x	6	2M16/1		121.2		250		0.2003		68		0.2351		2.00	
		hd		52		8.8		121.2		87.6		0.1754		67		0.2781		1	
+																			+
	137	d3	L	70x	6	2M16/1		123.9		250		0.3211		67		0.2599		2.00	
		hd		52		8.8		123.9		89.5		0.1626		68		0.3074		1	
+																			+
	138	d3	L	70x	6	2M16/1		116.4		250		0.2691		67		0.2355		2.00	
		hd		52		8.8		116.4		84.1		0.1491		68		0.2785		1	
+																			+
	139	d3	L	70x	6	2M16/1		123.9		250		0.2515		68		0.2790		2.00	
		hd		52		8.8		123.9		89.5		0.2081		67		0.3300		1	
+																			+
	140	d3	L	70x	6	2M16/1		116.4		250		0.2101		68		0.2557		2.00	
		hd		52		8.8		116.4		84.1		0.1907		67		0.3024		1	
+																			+
	141	d3	L	70x	6	2M16/1		119.4		250		0.3255		67		0.2761		2.00	
		hd		52		8.8		119.4		86.3		0.1791		68		0.3266		1	
+																			+
	142	d3	L	70x	6	2M16/1		111.8		250		0.2816		67		0.2585		2.00	
		hd		52		8.8		111.8		80.8		0.1701		68		0.3057		1	
+																			+
	143	d3	L	70x	6	2M16/1		119.4		250		0.2548		68		0.3073		2.00	
		hd		52		8.8		119.4		86.3		0.2292		67		0.3634		1	
+																			+
	144	d3	L	70x	6	2M16/1		111.8		250		0.2198		68		0.2917		2.00	
		hd		52		8.8		111.8		80.8		0.2175		67		0.3450		1	
+																			+
	145	d3	L	70x	6	2M16/1		133.3		250		0.3391		67		0.2489		2.00	
		hd		52		8.8		133.3		96.3		0.1182		68		0.2944		1	
+																			+
	146	d3	L	70x	6	2M16/1		126.1		250		0.2783		67		0.2202		2.00	
		hd		52		8.8		126.1		91.1		0.1048		68		0.2604		1	
+																			+
	147	d3	L	70x	6	2M16/1		133.3		250		0.2656		68		0.2034		2.00	
		hd		52		8.8		133.3		96.3		0.1517		67		0.2406		1	
+																			+
	148	d3	L	70x	6	2M16/1		126.1		250		0.2173		68		0.1802		2.00	
		hd		52		8.8		126.1		91.1		0.1344		67		0.2132		1	
+																			+
	149	d3	L	70x	6	2M16/1		128.6		250		0.3347		67		0.2580		2.00	
		hd		52		8.8		128.6		92.9		0.1331		68		0.3051		1	
+																			+
	150	d3	L	70x	6	2M16/1		121.2		250		0.2760		67		0.2298		2.00	
		hd		52		8.8		121.2		87.6		0.1195		68		0.2718		1	
+																			+

	151	d3	L	70x	6	2M16/1	128.6	250	0.2621	68	0.2289	2.00	
		hd		52		8.8	128.6	92.9	0.1707	67	0.2707	1	
+													
	152	d3	L	70x	6	2M16/1	121.2	250	0.2155	68	0.2054	2.00	
		hd		52		8.8	121.2	87.6	0.1532	67	0.2430	1	
+													
	153	d3	L	70x	6	2M16/1	123.9	250	0.3417	67	0.2765	2.00	
		hd		52		8.8	123.9	89.5	0.1443	68	0.3271	1	
+													
	154	d3	L	70x	6	2M16/1	116.4	250	0.2855	67	0.2499	2.00	
		hd		52		8.8	116.4	84.1	0.1320	68	0.2955	1	
+													
	155	d3	L	70x	6	2M16/1	123.9	250	0.2673	68	0.2480	2.00	
		hd		52		8.8	123.9	89.5	0.1850	67	0.2933	1	
+													
	156	d3	L	70x	6	2M16/1	116.4	250	0.2228	68	0.2267	2.00	
		hd		52		8.8	116.4	84.1	0.1690	67	0.2681	1	
+													
	157	d3	L	70x	6	2M16/1	119.4	250	0.3604	67	0.3057	2.00	
		hd		52		8.8	119.4	86.3	0.1522	68	0.3616	1	
+													
	158	d3	L	70x	6	2M16/1	111.8	250	0.3130	67	0.2873	2.00	
		hd		52		8.8	111.8	80.8	0.1436	68	0.3398	1	
+													
	159	d3	L	70x	6	2M16/1	119.4	250	0.2824	68	0.2620	2.00	
		hd		52		8.8	119.4	86.3	0.1954	67	0.3098	1	
+													
	160	d3	L	70x	6	2M16/1	111.8	250	0.2446	68	0.2471	2.00	
		hd		52		8.8	111.8	80.8	0.1843	67	0.2923	1	
+													
	161	d3	L	70x	6	2M16/1	133.3	250	0.0000	69	0.3352	2.00	
		hd		52		8.8	133.3	96.3	0.2500	47	0.3965	1	
+													
	162	d3	L	70x	6	2M16/1	126.1	250	0.0000	71	0.2986	2.00	
		hd		52		8.8	126.1	91.1	0.2227	47	0.3531	1	
+													
	163	d3	L	70x	6	2M16/1	133.3	250	0.4368	47	0.3206	2.00	
		hd		52		8.8	133.3	96.3	0.0000	71	0.3792	1	
+													
	164	d3	L	70x	6	2M16/1	126.1	250	0.3557	47	0.2814	2.00	
		hd		52		8.8	126.1	91.1	0.0000	71	0.3328	1	
+													
	165	d3	L	70x	6	2M16/1	128.6	250	0.0000	71	0.3533	2.00	
		hd		52		8.8	128.6	92.9	0.2635	47	0.4179	1	
+													
	166	d3	L	70x	6	2M16/1	121.2	250	0.0000	71	0.3168	2.00	
		hd		52		8.8	121.2	87.6	0.2363	47	0.3747	1	
+													
	167	d3	L	70x	6	2M16/1	128.6	250	0.4493	47	0.3463	2.00	
		hd		52		8.8	128.6	92.9	0.0000	71	0.4095	1	
+													
	168	d3	L	70x	6	2M16/1	121.2	250	0.3690	47	0.3072	2.00	
		hd		52		8.8	121.2	87.6	0.0000	71	0.3634	1	
+													
	169	d3	L	70x	6	2M16/1	123.9	250	0.0000	71	0.3774	2.00	
		hd		52		8.8	123.9	89.5	0.2815	47	0.4463	1	
+													
	170	d3	L	70x	6	2M16/1	116.4	250	0.0000	71	0.3430	2.00	
		hd		52		8.8	116.4	84.1	0.2558	47	0.4056	1	
+													
	171	d3	L	70x	6	2M16/1	123.9	250	0.4571	47	0.3699	2.00	
		hd		52		8.8	123.9	89.5	0.0000	71	0.4375	1	

172	d3	L	70x	6	2M16/1	116.4	250	0.3811	47	0.3335	2.00
	hd			52	8.8	116.4	84.1	0.0000	71	0.3945	1
173	d3	L	70x	6	2M16/1	119.4	250	0.0000	69	0.4069	2.00
	hd			52	8.8	119.4	86.3	0.3035	47	0.4812	1
174	d3	L	70x	6	2M16/1	111.8	250	0.0000	71	0.3812	2.00
	hd			52	8.8	111.8	80.8	0.2843	47	0.4508	1
175	d3	L	70x	6	2M16/1	119.4	250	0.4660	47	0.3953	2.00
	hd			52	8.8	119.4	86.3	0.0000	71	0.4675	1
176	d3	L	70x	6	2M16/1	111.8	250	0.4001	47	0.3672	2.00
	hd			52	8.8	111.8	80.8	0.0000	71	0.4343	1
177	d3	L	70x	6	2M16/1	133.3	250	0.0363	69	0.3166	2.00
	hd			52	8.8	133.3	96.3	0.2361	47	0.3745	1
178	d3	L	70x	6	2M16/1	126.1	250	0.0310	69	0.2813	2.00
	hd			52	8.8	126.1	91.1	0.2098	47	0.3327	1
179	d3	L	70x	6	2M16/1	133.3	250	0.4783	47	0.3511	2.00
	hd			52	8.8	133.3	96.3	0.0106	69	0.4153	1
180	d3	L	70x	6	2M16/1	126.1	250	0.3930	47	0.3109	2.00
	hd			52	8.8	126.1	91.1	0.0133	69	0.3677	1
181	d3	L	70x	6	2M16/1	128.6	250	0.0353	69	0.3439	2.00
	hd			52	8.8	128.6	92.9	0.2565	47	0.4067	1
182	d3	L	70x	6	2M16/1	121.2	250	0.0306	69	0.3084	2.00
	hd			52	8.8	121.2	87.6	0.2300	47	0.3648	1
183	d3	L	70x	6	2M16/1	128.6	250	0.4782	47	0.3686	2.00
	hd			52	8.8	128.6	92.9	0.0126	69	0.4359	1
184	d3	L	70x	6	2M16/1	121.2	250	0.3950	47	0.3288	2.00
	hd			52	8.8	121.2	87.6	0.0152	69	0.3889	1
185	d3	L	70x	6	2M16/1	123.9	250	0.0347	69	0.3696	2.00
	hd			52	8.8	123.9	89.5	0.2757	47	0.4372	1
186	d3	L	70x	6	2M16/1	116.4	250	0.0302	69	0.3368	2.00
	hd			52	8.8	116.4	84.1	0.2512	47	0.3983	1
187	d3	L	70x	6	2M16/1	123.9	250	0.4838	47	0.3916	2.00
	hd			52	8.8	123.9	89.5	0.0148	69	0.4631	1
188	d3	L	70x	6	2M16/1	116.4	250	0.4046	47	0.3541	2.00
	hd			52	8.8	116.4	84.1	0.0174	69	0.4187	1
189	d3	L	70x	6	2M16/1	119.4	250	0.0408	69	0.3890	2.00
	hd			52	8.8	119.4	86.3	0.2902	47	0.4601	1
190	d3	L	70x	6	2M16/1	111.8	250	0.0370	69	0.3646	2.00
	hd			52	8.8	111.8	80.8	0.2719	47	0.4312	1
191	d3	L	70x	6	2M16/1	119.4	250	0.5049	47	0.4283	2.00
	hd			52	8.8	119.4	86.3	0.0131	69	0.5065	1
192	d3	L	70x	6	2M16/1	111.8	250	0.4360	47	0.4001	2.00

	hd			52	8.8	111.8	80.8	0.0161	69	0.4732	1
193	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 77.5	250 87.3	0.0000 0.0254	69 47	0.0294 0.0391	2.00 1
194	d4 rv	L	45x 4	52	1M12/1 8.8	109.6 109.6	250 123.5	0.0000 0.0358	69 47	0.0414 0.0551	2.00 1
195	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 77.5	250 87.3	0.0000 0.0255	69 47	0.0295 0.0393	2.00 1
196	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 77.5	250 87.3	0.0190 0.0000	47 69	0.0243 0.0323	2.00 1
197	d4 rv	L	45x 4	52	1M12/1 8.8	109.6 109.6	250 123.5	0.0441 0.0000	47 69	0.0340 0.0453	2.00 1
198	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 77.5	250 87.3	0.0190 0.0000	47 69	0.0241 0.0321	2.00 1
199	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 116.2	250 130.9	0.0106 0.0038	52 58	0.0074 0.0099	2.00 1
200	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 116.2	250 130.9	0.0400 0.0000	47 69	0.0281 0.0373	2.00 1
201	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 116.2	250 130.9	0.0000 0.0255	69 47	0.0295 0.0392	2.00 1
202	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 116.2	250 130.9	0.0064 0.0059	58 74	0.0068 0.0091	2.00 1
203	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 116.2	250 130.9	0.0095 0.0041	74 58	0.0067 0.0089	2.00 1
204	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 116.2	250 130.9	0.0000 0.0248	69 47	0.0287 0.0381	2.00 1
205	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 116.2	250 130.9	0.0384 0.0002	47 74	0.0269 0.0358	2.00 1
206	d4 rv	L	45x 4	52	1M12/1 8.8	77.5 116.2	250 130.9	0.0076 0.0059	50 74	0.0069 0.0091	2.00 1
207	d4 vr	L	60x 6	52	1M16/1 8.8	109.6 164.4	250 139.4	0.1562 0.0046	47 69	0.1099 0.1299	2.00 1
208	d4 vr	L	60x 6	52	1M16/1 8.8	109.6 164.4	250 139.4	0.1556 0.0047	47 69	0.1094 0.1294	2.00 1
209	d4 vr	L	60x 6	52	1M16/1 8.8	109.6 164.4	250 139.4	0.1096 0.0563	67 68	0.0771 0.0912	2.00 1
210	d4 vr	L	60x 6	52	1M16/1 8.8	109.6 164.4	250 139.4	0.1205 0.0530	67 68	0.0847 0.1002	2.00 1
211	d4 vr	L	60x 6	52	1M16/1 8.8	109.6 164.4	250 139.4	0.0000 0.0936	69 47	0.1192 0.1410	2.00 1
212	d4 vr	L	60x 6	52	1M16/1 8.8	109.6 164.4	250 139.4	0.0000 0.0939	69 47	0.1195 0.1414	2.00 1

	213	d4	L	60x 6	1M16/1	109.6	250	0.0944	68	0.0855	2.00	
		vr		52	8.8	164.4	139.4	0.0672	67	0.1011	1	
+												+
	214	d4	L	60x 6	1M16/1	109.6	250	0.0860	68	0.0906	2.00	
		vr		52	8.8	164.4	139.4	0.0712	67	0.1072	1	
+												+
	215	d4	L	200x16	10M24/2	73.9	200	0.1435	68	0.2731	2.00	
		ru		52	8.8	73.9	55.6	0.4475	47	0.3634	2	
+												+
	216	d4	L	200x16	10M24/2	73.9	200	0.1434	68	0.2735	2.00	
		ru		52	8.8	73.9	55.6	0.4482	47	0.3639	2	
+												+
	217	d4	L	200x16	10M24/2	73.9	200	0.1371	68	0.2606	2.00	
		ru		52	8.8	73.9	55.6	0.4270	47	0.3467	2	
+												+
	218	d4	L	200x16	10M24/2	73.9	200	0.1370	68	0.2610	2.00	
		ru		52	8.8	73.9	55.6	0.4278	47	0.3473	2	
+												+
	219	d4	L	200x16	10M24/2	73.9	200	0.1297	68	0.2461	2.00	
		ru		52	8.8	73.9	55.6	0.4033	47	0.3274	2	
+												+
	220	d4	L	200x16	10M24/2	73.9	200	0.1295	68	0.2466	2.00	
		ru		52	8.8	73.9	55.6	0.4040	47	0.3281	2	
+												+
	221	d4	L	200x16	10M24/2	73.9	200	0.1212	68	0.2296	2.00	
		ru		52	8.8	73.9	55.6	0.3762	47	0.3055	2	
+												+
	222	d4	L	200x16	10M24/2	73.9	200	0.1211	68	0.2300	2.00	
		ru		52	8.8	73.9	55.6	0.3769	47	0.3060	2	
+												+
	223	d4	L	200x16	10M24/2	73.9	200	0.3543	47	0.2074	2.00	
		ru		52	8.8	73.9	55.6	0.1458	67	0.2759	2	
+												+
	224	d4	L	200x16	10M24/2	73.9	200	0.3543	47	0.2074	2.00	
		ru		52	8.8	73.9	55.6	0.1462	67	0.2760	2	
+												+
	225	d4	L	200x16	10M24/2	73.9	200	0.3380	47	0.1979	2.00	
		ru		52	8.8	73.9	55.6	0.1396	67	0.2633	2	
+												+
	226	d4	L	200x16	10M24/2	73.9	200	0.3382	47	0.1979	2.00	
		ru		52	8.8	73.9	55.6	0.1400	67	0.2634	2	
+												+
	227	d4	L	200x16	10M24/2	73.9	200	0.3194	47	0.1870	2.00	
		ru		52	8.8	73.9	55.6	0.1323	67	0.2488	2	
+												+
	228	d4	L	200x16	10M24/2	73.9	200	0.3195	47	0.1870	2.00	
		ru		52	8.8	73.9	55.6	0.1327	67	0.2489	2	
+												+
	229	d4	L	200x16	10M24/2	73.9	200	0.2983	47	0.1746	2.00	
		ru		52	8.8	73.9	55.6	0.1238	67	0.2324	2	
+												+
	230	d4	L	200x16	10M24/2	73.9	200	0.2984	47	0.1747	2.00	
		ru		52	8.8	73.9	55.6	0.1242	67	0.2324	2	
+												+
	231	d4	L	200x16	10M24/2	73.9	200	0.5064	47	0.2964	2.00	
		ru		52	8.8	73.9	55.6	0.1132	68	0.3944	2	
+												+
	232	d4	L	200x16	10M24/2	73.9	200	0.5066	47	0.2966	2.00	
		ru		52	8.8	73.9	55.6	0.1136	68	0.3946	2	
+												+
	233	d4	L	200x16	10M24/2	73.9	200	0.4835	47	0.2830	2.00	
		ru		52	8.8	73.9	55.6	0.1086	68	0.3766	2	

234	d4	L 200x16	10M24/2	73.9	200	0.4838	47	0.2832	2.00
ru		52	8.8	73.9	55.6	0.1090	68	0.3768	2
235	d4	L 200x16	10M24/2	73.9	200	0.4571	47	0.2676	2.00
ru		52	8.8	73.9	55.6	0.1031	68	0.3560	2
236	d4	L 200x16	10M24/2	73.9	200	0.4574	47	0.2677	2.00
ru		52	8.8	73.9	55.6	0.1035	68	0.3562	2
237	d4	L 200x16	10M24/2	73.9	200	0.4270	47	0.2499	2.00
ru		52	8.8	73.9	55.6	0.0966	68	0.3326	2
238	d4	L 200x16	10M24/2	73.9	200	0.4272	47	0.2501	2.00
ru		52	8.8	73.9	55.6	0.0970	68	0.3327	2
239	d4	L 200x16	10M24/2	73.9	200	0.1805	67	0.1841	2.00
ru		52	8.8	73.9	55.6	0.3016	47	0.2449	2
240	d4	L 200x16	10M24/2	73.9	200	0.1804	67	0.1844	2.00
ru		52	8.8	73.9	55.6	0.3022	47	0.2454	2
241	d4	L 200x16	10M24/2	73.9	200	0.1725	67	0.1755	2.00
ru		52	8.8	73.9	55.6	0.2875	47	0.2335	2
242	d4	L 200x16	10M24/2	73.9	200	0.1724	67	0.1758	2.00
ru		52	8.8	73.9	55.6	0.2881	47	0.2339	2
243	d4	L 200x16	10M24/2	73.9	200	0.1632	67	0.1655	2.00
ru		52	8.8	73.9	55.6	0.2713	47	0.2203	2
244	d4	L 200x16	10M24/2	73.9	200	0.1631	67	0.1659	2.00
ru		52	8.8	73.9	55.6	0.2719	47	0.2208	2
245	d4	L 200x16	10M24/2	73.9	200	0.1526	67	0.1543	2.00
ru		52	8.8	73.9	55.6	0.2529	47	0.2053	2
246	d4	L 200x16	10M24/2	73.9	200	0.1525	67	0.1546	2.00
ru		52	8.8	73.9	55.6	0.2534	47	0.2058	2
247	d3	L 180x16	8M24/2	73.9	200	0.1250	68	0.2654	2.00
ru		52	8.8	73.9	49.7	0.3880	47	0.3532	2
248	d3	L 180x16	8M24/2	73.9	200	0.1249	68	0.2659	2.00
ru		52	8.8	73.9	49.7	0.3888	47	0.3539	2
249	d3	L 180x16	8M24/2	73.9	200	0.1146	68	0.2420	2.00
ru		52	8.8	73.9	49.7	0.3538	47	0.3220	2
250	d3	L 180x16	8M24/2	73.9	200	0.1145	68	0.2425	2.00
ru		52	8.8	73.9	49.7	0.3546	47	0.3227	2
251	d3	L 180x16	8M24/2	73.9	200	0.1028	68	0.2150	2.00
ru		52	8.8	73.9	49.7	0.3143	47	0.2860	2
252	d3	L 180x16	8M24/2	73.9	200	0.1027	68	0.2155	2.00
ru		52	8.8	73.9	49.7	0.3151	47	0.2868	2
253	d3	L 180x16	8M24/2	73.9	200	0.0887	68	0.1836	2.00
ru		52	8.8	73.9	49.7	0.2684	47	0.2442	2
254	d3	L 180x16	8M24/2	73.9	200	0.0885	68	0.1840	2.00

	ru		52	8.8	73.9	49.7	0.2690	47	0.2448	2
255	d3	L	180x16	8M24/2	73.9	200	0.3077	47	0.2023	2.00
	ru		52	8.8	73.9	49.7	0.1281	67	0.2692	2
256	d3	L	180x16	8M24/2	73.9	200	0.3078	47	0.2024	2.00
	ru		52	8.8	73.9	49.7	0.1285	67	0.2693	2
257	d3	L	180x16	8M24/2	73.9	200	0.2820	47	0.1854	2.00
	ru		52	8.8	73.9	49.7	0.1168	67	0.2467	2
258	d3	L	180x16	8M24/2	73.9	200	0.2822	47	0.1855	2.00
	ru		52	8.8	73.9	49.7	0.1173	67	0.2468	2
259	d3	L	180x16	8M24/2	73.9	200	0.2526	47	0.1661	2.00
	ru		52	8.8	73.9	49.7	0.1038	67	0.2210	2
260	d3	L	180x16	8M24/2	73.9	200	0.2527	47	0.1662	2.00
	ru		52	8.8	73.9	49.7	0.1042	67	0.2211	2
261	d3	L	180x16	8M24/2	73.9	200	0.2183	47	0.1435	2.00
	ru		52	8.8	73.9	49.7	0.0883	67	0.1910	2
262	d3	L	180x16	8M24/2	73.9	200	0.2183	47	0.1435	2.00
	ru		52	8.8	73.9	49.7	0.0887	67	0.1910	2
263	d3	L	180x16	8M24/2	73.9	200	0.4404	47	0.2895	2.00
	ru		52	8.8	73.9	49.7	0.1002	68	0.3852	2
264	d3	L	180x16	8M24/2	73.9	200	0.4406	47	0.2897	2.00
	ru		52	8.8	73.9	49.7	0.1006	68	0.3855	2
265	d3	L	180x16	8M24/2	73.9	200	0.4031	47	0.2650	2.00
	ru		52	8.8	73.9	49.7	0.0916	68	0.3527	2
266	d3	L	180x16	8M24/2	73.9	200	0.4035	47	0.2653	2.00
	ru		52	8.8	73.9	49.7	0.0920	68	0.3530	2
267	d3	L	180x16	8M24/2	73.9	200	0.3604	47	0.2370	2.00
	ru		52	8.8	73.9	49.7	0.0816	68	0.3153	2
268	d3	L	180x16	8M24/2	73.9	200	0.3608	47	0.2372	2.00
	ru		52	8.8	73.9	49.7	0.0820	68	0.3156	2
269	d3	L	180x16	8M24/2	73.9	200	0.3104	47	0.2041	2.00
	ru		52	8.8	73.9	49.7	0.0696	68	0.2716	2
270	d3	L	180x16	8M24/2	73.9	200	0.3106	47	0.2042	2.00
	ru		52	8.8	73.9	49.7	0.0700	68	0.2717	2
271	d3	L	180x16	8M24/2	73.9	200	0.1575	67	0.1782	2.00
	ru		52	8.8	73.9	49.7	0.2606	47	0.2371	2
272	d3	L	180x16	8M24/2	73.9	200	0.1574	67	0.1786	2.00
	ru		52	8.8	73.9	49.7	0.2612	47	0.2377	2
273	d3	L	180x16	8M24/2	73.9	200	0.1444	67	0.1623	2.00
	ru		52	8.8	73.9	49.7	0.2373	47	0.2159	2
274	d3	L	180x16	8M24/2	73.9	200	0.1443	67	0.1627	2.00
	ru		52	8.8	73.9	49.7	0.2379	47	0.2165	2

	275	d3	L	180x16	8M24/2	73.9	200	0.1294	67	0.1439	2.00	
		ru		52	8.8	73.9	49.7	0.2104	47	0.1915	2	
+												+
	276	d3	L	180x16	8M24/2	73.9	200	0.1294	67	0.1444	2.00	
		ru		52	8.8	73.9	49.7	0.2111	47	0.1921	2	
+												+
	277	d3	L	180x16	8M24/2	73.9	200	0.1116	67	0.1228	2.00	
		ru		52	8.8	73.9	49.7	0.1795	47	0.1634	2	
+												+
	278	d3	L	180x16	8M24/2	73.9	200	0.1115	67	0.1231	2.00	
		ru		52	8.8	73.9	49.7	0.1800	47	0.1638	2	
+												+
	279	d2	L	60x 6	2M16/1	188.0	250	0.1889	67	0.1483	2.00	
		hd		52	8.8	96.2	81.6	0.1355	56	0.1754	1	
+												+
	280	d2	L	60x 6	2M16/1	209.3	250	0.2446	68	0.2083	2.00	
		hd		52	8.8	108.6	92.1	0.1904	67	0.2463	1	
+												+
	281	d2	L	60x 6	2M16/1	200.4	250	0.3270	67	0.2282	2.00	
		hd		52	8.8	104.2	88.3	0.1663	68	0.2699	1	
+												+
	282	d1	L	60x 6	2M16/1	162.5	250	0.1017	54	0.1544	2.00	
		hd		52	8.8	83.6	70.9	0.1412	61	0.1827	1	
+												+
	283	d1	L	60x 6	2M16/1	188.2	250	0.2223	61	0.1664	2.00	
		hd		52	8.8	98.5	83.5	0.1460	54	0.1968	1	
+												+
	284	d1	L	60x 6	2M16/1	180.3	250	0.2328	54	0.1937	2.00	
		hd		52	8.8	94.7	80.3	0.1771	61	0.2291	1	
+												+
	285	d1	L	60x 6	1M16/1	139.0	250	0.0284	67	0.0740	2.00	
		hd		52	8.8	72.1	61.1	0.0581	68	0.0875	1	
+												+
	286	d2	L	60x 6	2M16/1	188.0	250	0.2469	67	0.1900	2.00	
		hd		52	8.8	96.2	81.6	0.0983	68	0.2247	1	
+												+
	287	d2	L	60x 6	2M16/1	209.3	250	0.2546	68	0.2037	2.00	
		hd		52	8.8	108.6	92.1	0.1862	67	0.2410	1	
+												+
	288	d2	L	60x 6	2M16/1	200.4	250	0.3303	67	0.2306	2.00	
		hd		52	8.8	104.2	88.3	0.1677	68	0.2727	1	
+												+
	289	d1	L	60x 6	2M16/1	162.5	250	0.1670	55	0.1493	2.00	
		hd		52	8.8	83.6	70.9	0.0891	62	0.1766	1	
+												+
	290	d1	L	60x 6	2M16/1	188.2	250	0.2489	62	0.1862	2.00	
		hd		52	8.8	98.5	83.5	0.1416	55	0.2203	1	
+												+
	291	d1	L	60x 6	2M16/1	180.3	250	0.2319	55	0.2130	2.00	
		hd		52	8.8	94.7	80.3	0.1947	62	0.2519	1	
+												+
	292	d1	L	60x 6	1M16/1	139.0	250	0.0541	47	0.1098	2.00	
		hd		52	8.8	72.1	61.1	0.0113	53	0.1298	1	
+												+
	293	d2	L	60x 6	2M16/1	188.0	250	0.1481	68	0.1881	2.00	
		hd		52	8.8	96.2	81.6	0.1719	67	0.2224	1	
+												+
	294	d2	L	60x 6	2M16/1	209.3	250	0.3117	67	0.2062	2.00	
		hd		52	8.8	108.6	92.1	0.1495	68	0.2439	1	
+												+
	295	d2	L	60x 6	2M16/1	200.4	250	0.2569	68	0.2321	2.00	
		hd		52	8.8	104.2	88.3	0.2121	67	0.2745	1	

296	d1	L	60x	6	2M16/1	162.5	250	0.1129	61	0.1468	2.00
	hd		52		8.8	83.6	70.9	0.1342	54	0.1736	1
297	d1	L	60x	6	2M16/1	188.2	250	0.2171	54	0.1785	2.00
	hd		52		8.8	98.5	83.5	0.1631	61	0.2111	1
298	d1	L	60x	6	2M16/1	180.3	250	0.2619	61	0.2053	2.00
	hd		52		8.8	94.7	80.3	0.1736	54	0.2428	1
299	d1	L	60x	6	1M16/1	139.0	250	0.0212	53	0.0813	2.00
	hd		52		8.8	72.1	61.1	0.0638	47	0.0961	1
300	d2	L	60x	6	2M16/1	188.0	250	0.2007	68	0.1545	2.00
	hd		52		8.8	96.2	81.6	0.1294	67	0.1827	1
301	d2	L	60x	6	2M16/1	209.3	250	0.3298	67	0.2181	2.00
	hd		52		8.8	108.6	92.1	0.1476	68	0.2580	1
302	d2	L	60x	6	2M16/1	200.4	250	0.2622	68	0.2380	2.00
	hd		52		8.8	104.2	88.3	0.2176	67	0.2815	1
303	d1	L	60x	6	2M16/1	162.5	250	0.1795	62	0.1604	2.00
	hd		52		8.8	83.6	70.9	0.0817	55	0.1897	1
304	d1	L	60x	6	2M16/1	188.2	250	0.2256	55	0.1688	2.00
	hd		52		8.8	98.5	83.5	0.1541	62	0.1997	1
305	d1	L	60x	6	2M16/1	180.3	250	0.2521	62	0.1975	2.00
	hd		52		8.8	94.7	80.3	0.1761	55	0.2336	1
306	d1	L	60x	6	1M16/1	139.0	250	0.0707	71	0.1435	2.00
	hd		52		8.8	72.1	61.1	0.0117	67	0.1698	1
307	d2	L	60x	6	2M16/1	188.0	250	0.0395	68	0.2670	2.00
	hd		52		8.8	96.2	81.6	0.2441	47	0.3158	1
308	d2	L	60x	6	2M16/1	209.3	250	0.4301	47	0.2845	2.00
	hd		52		8.8	108.6	92.1	0.0470	57	0.3365	1
309	d2	L	60x	6	2M16/1	200.4	250	0.0826	57	0.3128	2.00
	hd		52		8.8	104.2	88.3	0.2859	47	0.3700	1
310	d1	L	60x	6	2M16/1	162.5	250	0.1668	54	0.1491	2.00
	hd		52		8.8	83.6	70.9	0.0553	55	0.1764	1
311	d1	L	60x	6	2M16/1	188.2	250	0.0876	55	0.2286	2.00
	hd		52		8.8	98.5	83.5	0.2089	54	0.2704	1
312	d1	L	60x	6	2M16/1	180.3	250	0.3391	54	0.2657	2.00
	hd		52		8.8	94.7	80.3	0.0688	55	0.3142	1
313	d1	L	60x	6	2M16/1	139.0	250	0.0625	68	0.1032	2.00
	hd		52		8.8	72.1	61.1	0.0944	67	0.1221	1
314	d2	L	60x	6	2M16/1	188.0	250	0.2851	47	0.2194	2.00
	hd		52		8.8	96.2	81.6	0.0274	57	0.2595	1
315	d2	L	60x	6	2M16/1	209.3	250	0.0318	57	0.3042	2.00
	hd		52		8.8	108.6	92.1	0.2780	47	0.3597	1
316	d2	L	60x	6	2M16/1	200.4	250	0.4810	47	0.3357	2.00

		hd		52		8.8		104.2		88.3		0.0185		57		0.3971		1	
+																			+
	317	d1	L	60x	6	2M16/1		162.5		250		0.0902		68		0.1953		2.00	
		hd		52		8.8		83.6		70.9		0.1785		47		0.2310		1	
+																			+
	318	d1	L	60x	6	2M16/1		188.2		250		0.2822		54		0.2111		2.00	
		hd		52		8.8		98.5		83.5		0.0778		55		0.2497		1	
+																			+
	319	d1	L	60x	6	2M16/1		180.3		250		0.1264		55		0.2439		2.00	
		hd		52		8.8		94.7		80.3		0.2229		54		0.2885		1	
+																			+
	320	d1	L	60x	6	2M16/1		139.0		250		0.0684		68		0.0695		2.00	
		hd		52		8.8		72.1		61.1		0.0540		67		0.0822		1	
+																			+
	321	d2	L	60x	6	2M16/1		188.0		250		0.0928		74		0.2132		2.00	
		hd		52		8.8		96.2		81.6		0.1949		47		0.2522		1	
+																			+
	322	d2	L	60x	6	2M16/1		209.3		250		0.4169		47		0.2757		2.00	
		hd		52		8.8		108.6		92.1		0.0434		56		0.3261		1	
+																			+
	323	d2	L	60x	6	2M16/1		200.4		250		0.0691		56		0.3020		2.00	
		hd		52		8.8		104.2		88.3		0.2760		57		0.3572		1	
+																			+
	324	d1	L	60x	6	2M16/1		162.5		250		0.3656		73		0.3268		2.00	
		hd		52		8.8		83.6		70.9		0.1795		72		0.3865		1	
+																			+
	325	d1	L	60x	6	2M16/1		188.2		250		0.0897		54		0.2373		2.00	
		hd		52		8.8		98.5		83.5		0.2169		55		0.2806		1	
+																			+
	326	d1	L	60x	6	2M16/1		180.3		250		0.3496		55		0.2739		2.00	
		hd		52		8.8		94.7		80.3		0.0716		54		0.3240		1	
+																			+
	327	d1	L	60x	6	2M16/1		139.0		250		0.1665		70		0.2095		2.00	
		hd		52		8.8		72.1		61.1		0.1914		71		0.2477		1	
+																			+
	328	d2	L	60x	6	2M16/1		188.0		250		0.3515		47		0.2704		2.00	
		hd		52		8.8		96.2		81.6		0.0405		74		0.3198		1	
+																			+
	329	d2	L	60x	6	2M16/1		209.3		250		0.0530		56		0.3269		2.00	
		hd		52		8.8		108.6		92.1		0.2988		47		0.3867		1	
+																			+
	330	d2	L	60x	6	2M16/1		200.4		250		0.5278		47		0.3684		2.00	
		hd		52		8.8		104.2		88.3		0.0346		56		0.4357		1	
+																			+
	331	d1	L	60x	6	2M16/1		162.5		250		0.2248		72		0.2868		2.00	
		hd		52		8.8		83.6		70.9		0.2621		73		0.3392		1	
+																			+
	332	d1	L	60x	6	2M16/1		188.2		250		0.2890		55		0.2162		2.00	
		hd		52		8.8		98.5		83.5		0.0793		54		0.2558		1	
+																			+
	333	d1	L	60x	6	2M16/1		180.3		250		0.1260		54		0.2513		2.00	
		hd		52		8.8		94.7		80.3		0.2296		55		0.2972		1	
+																			+
	334	d1	L	60x	6	2M16/1		139.0		250		0.2377		71		0.2414		2.00	
		hd		52		8.8		72.1		61.1		0.1461		70		0.2855		1	
+																			+
	335	pdk	L	45x	4	1M16/1		172.7		250		0.5172		67		0.1028		2.00	
		hd		52		8.8		172.7		194.6		0.1446		68		0.1824		1	
+																			+
	336	pdk	L	45x	4	1M16/1		94.2		250		0.1326		68		0.0931		2.00	
		hd		52		8.8		94.2		106.1		0.1679		67		0.1651		1	
+																			+

	337	pdk	2L	45x	4	1M16/1	127.6	250	0.3552	67	0.4894	2.00	
		hd		52		8.8	127.6	93.7	0.3443	68	0.4341	1	
+													
	338	pdk	L	45x	4	1M12/1	46.8	250	0.0121	75	0.0243	1.50	
		pp		52		8.8	46.8	52.7	0.0126	68	0.0431	1	
+													
	339	pdk	L	45x	4	1M12/1	128.6	250	0.0433	68	0.0329	1.50	
		pp		52		8.8	128.6	144.9	0.0285	75	0.0584	1	
+													
	340	pdk	L	45x	4	1M12/1	46.8	250	0.0023	68	0.0398	1.50	
		pp		52		8.8	46.8	52.7	0.0345	75	0.0706	1	
+													
	341	pdk	L	45x	4	1M12/1	128.6	250	0.1007	75	0.0596	1.50	
		pp		52		8.8	128.6	144.9	0.0041	68	0.1058	1	
+													
	342	pdk	L	50x	5	2M16/1	131.5	400	0.0000	66	0.1124	2.00	
		th		52		8.8	197.2	200.8	0.1556	75	0.1596	1	
+													
	343	pdk	L	50x	5	2M16/1	127.2	400	0.0000	68	0.1228	2.00	
		th		52		8.8	190.8	194.3	0.1699	75	0.1743	1	
+													
	344	pdk	L	50x	5	2M16/1	131.5	400	0.0000	59	0.4161	2.00	
		th		52		8.8	197.2	200.8	0.5756	75	0.5905	1	
+													
	345	pdk	L	50x	5	2M16/1	127.2	400	0.0000	59	0.3976	2.00	
		th		52		8.8	190.8	194.3	0.5501	75	0.5643	1	
+													
	346	pdk	L	80x	6	2M20/1	119.0	200	0.1726	68	0.1603	2.00	
		dp		52		8.8	119.0	75.0	0.1661	67	0.2370	1	
+													
	347	pdk	L	80x	6	2M20/1	119.0	200	0.1475	68	0.1377	2.00	
		dp		52		8.8	119.0	75.0	0.1427	67	0.2035	1	
+													
	348	pdk	L	80x	6	2M20/1	119.0	200	0.3517	75	0.2483	2.00	
		dp		52		8.8	119.0	75.0	0.0231	40	0.3672	1	
+													
	349	pdk	L	80x	6	2M20/1	119.0	200	0.3575	75	0.2524	2.00	
		dp		52		8.8	119.0	75.0	0.1130	68	0.3731	1	
+													
	350	ldk	L	60x	6	1M16/1	257.6	250	0.2981	67	0.3095	2.00	
		hd		52		8.8	128.8	109.2	0.1459	68	0.3661	1	
+													
	351	ldk	L	60x	6	1M16/1	257.6	250	0.2297	68	0.2385	2.00	
		hd		52		8.8	128.8	109.2	0.1850	67	0.2821	1	
+													
	352	ldk	L	45x	4	1M12/1	109.0	250	0.0130	73	0.0101	1.50	
		pp		52		8.8	109.0	122.8	0.0000	67	0.0179	1	
+													
	353	ldk	L	45x	4	1M12/1	46.6	250	0.0000	67	0.0076	1.50	
		pp		52		8.8	46.6	52.5	0.0065	47	0.0134	1	
+													
	354	ldk	L	45x	4	1M12/1	109.0	250	0.0214	74	0.0167	1.50	
		pp		52		8.8	109.0	122.8	0.0000	68	0.0296	1	
+													
	355	ldk	L	45x	4	1M12/1	46.6	250	0.0000	68	0.0117	1.50	
		pp		52		8.8	46.6	52.5	0.0101	74	0.0208	1	
+													
	356	ldk	L	50x	5	2M16/1	113.2	400	0.0000	65	0.0867	2.00	
		th		52		8.8	169.8	172.9	0.1199	47	0.1230	1	
+													
	357	ldk	L	50x	5	2M16/1	109.0	400	0.0000	65	0.0835	2.00	
		th		52		8.8	163.5	166.5	0.1156	48	0.1185	1	

358	ldk	L	50x 5	2M16/1	113.2	400	0.0000	58	0.4286	2.00
	th		52	8.8	169.8	172.9	0.5930	74	0.6083	1
359	ldk	L	50x 5	2M16/1	109.0	400	0.0000	58	0.4229	2.00
	th		52	8.8	163.5	166.5	0.5851	74	0.6002	1
360	ldk	L	80x 6	2M20/1	98.5	200	0.2074	68	0.1142	2.00
	dp		52	8.8	147.8	93.1	0.0750	67	0.1688	1
361	ldk	L	80x 6	2M20/1	98.5	200	0.2073	68	0.1141	2.00
	dp		52	8.8	147.8	93.1	0.0750	67	0.1687	1
362	ldk	L	80x 6	2M20/1	98.5	200	0.3745	74	0.2062	2.00
	dp		52	8.8	147.8	93.1	0.0572	68	0.3049	1
363	ldk	L	80x 6	2M20/1	98.5	200	0.3758	74	0.2069	2.00
	dp		52	8.8	147.8	93.1	0.0572	68	0.3059	1
364	d2	L	60x 6	1M16/1	158.4	250	0.2114	47	0.1582	2.00
	vr		52	8.8	158.4	134.3	0.0071	69	0.1871	1
365	d2	L	60x 6	1M16/1	158.4	250	0.1521	67	0.1871	2.00
	vr		52	8.8	158.4	134.3	0.1469	68	0.2213	1
366	d2	L	60x 6	1M16/1	158.4	250	0.0781	75	0.1325	2.00
	vr		52	8.8	158.4	134.3	0.1041	47	0.1567	1
367	d2	L	60x 6	1M16/1	158.4	250	0.1204	68	0.4386	2.00
	vr		52	8.8	158.4	134.3	0.3445	74	0.5187	1
368	d2	L	140x12	8M20/1	95.2	200	0.1301	68	0.4079	2.00
	ru		52	8.8	95.2	51.6	0.3545	47	0.3016	2
369	d2	L	140x12	8M20/1	143.2	200	0.1376	68	0.3594	2.00
	ru		52	8.8	143.2	52.0	0.3122	47	0.2656	2
370	d2	L	140x12	8M20/1	142.2	200	0.1030	68	0.2798	2.00
	ru		52	8.8	142.2	51.9	0.2431	47	0.2068	2
371	d2	L	140x12	8M20/1	95.2	200	0.3286	47	0.3293	2.00
	ru		52	8.8	95.2	51.6	0.1138	67	0.2434	2
372	d2	L	140x12	8M20/1	143.2	200	0.3345	47	0.2844	2.00
	ru		52	8.8	143.2	52.0	0.1056	67	0.2102	2
373	d2	L	140x12	8M20/1	142.2	200	0.2663	47	0.2273	2.00
	ru		52	8.8	142.2	51.9	0.0742	67	0.1680	2
374	d2	L	140x12	8M20/1	95.2	200	0.4622	47	0.4632	2.00
	ru		52	8.8	95.2	51.6	0.0906	68	0.3424	2
375	d2	L	140x12	8M20/1	143.2	200	0.4751	47	0.4038	2.00
	ru		52	8.8	143.2	52.0	0.0837	68	0.2985	2
376	d2	L	140x12	8M20/1	142.2	200	0.3687	47	0.3146	2.00
	ru		52	8.8	142.2	51.9	0.0599	68	0.2326	2
377	d2	L	140x12	8M20/1	95.2	200	0.1637	67	0.2733	2.00
	ru		52	8.8	95.2	51.6	0.2375	47	0.2020	2
378	d2	L	140x12	8M20/1	143.2	200	0.1727	67	0.2419	2.00

	ru		52		8.8	143.2	52.0	0.2102	68	0.1788	2
379	d2 ru	L	140x12 52		8M20/1 8.8	142.2 142.2	200 51.9	0.1281 0.1658	67 47	0.1909 0.1411	2.00 2
380	psk hd	L	80x10 52		3M16/1 8.8	22.5 22.5	250 34.4	0.0000 0.1007	57 47	0.1929 0.1369	2.00 1
381	lsk hd	L	80x10 52		3M16/1 8.8	135.6 135.6	250 86.8	0.0000 0.0952	56 47	0.1825 0.1295	2.00 1
382	phk hd	L	45x 4 52		1M16/1 8.8	145.7 145.7	250 164.1	0.7085 0.2675	67 68	0.1904 0.3379	2.00 1
383	phk hd	L	45x 4 52		1M16/1 8.8	63.8 63.8	250 71.9	0.1137 0.2345	68 67	0.1300 0.2306	2.00 1
384	phk hd	2L	45x 4 52		1M16/1 8.8	126.3 126.3	250 92.8	0.4844 0.4767	67 68	0.6784 0.6018	2.00 1
385	phk pp	L	45x 4 52		1M12/1 8.8	129.6 129.6	250 146.0	0.0530 0.0239	68 71	0.0310 0.0550	1.50 1
386	phk pp	L	45x 4 52		1M12/1 8.8	46.8 46.8	250 52.7	0.0104 0.0157	71 68	0.0210 0.0372	1.50 1
387	phk pp	L	45x 4 52		1M12/1 8.8	129.6 129.6	250 146.0	0.0948 0.0061	71 68	0.0554 0.0983	1.50 1
388	phk pp	L	45x 4 52		1M12/1 8.8	46.8 46.8	250 52.7	0.0031 0.0315	68 71	0.0363 0.0645	1.50 1
389	phk th	L	50x 5 52		2M16/1 8.8	133.0 199.5	400 203.1	0.0000 0.1380	62 47	0.0998 0.1416	2.00 1
390	phk th	L	50x 5 52		2M16/1 8.8	128.9 193.4	400 196.9	0.0000 0.1384	68 47	0.1000 0.1419	2.00 1
391	phk th	L	50x 5 52		2M16/1 8.8	133.0 199.5	400 203.1	0.0000 0.6174	55 71	0.4462 0.6333	2.00 1
392	phk th	L	50x 5 52		2M16/1 8.8	128.9 193.4	400 196.9	0.0000 0.5937	55 71	0.4291 0.6090	2.00 1
393	phk dp	L	80x 6 52		2M20/1 8.8	120.5 120.5	200 75.9	0.2835 0.2655	68 67	0.2563 0.3789	2.00 1
394	phk dp	L	80x 6 52		2M20/1 8.8	120.5 120.5	200 75.9	0.2264 0.2126	68 67	0.2052 0.3034	2.00 1
395	phk dp	L	80x 6 52		2M20/1 8.8	120.5 120.5	200 75.9	0.3847 0.0246	71 40	0.2682 0.3966	2.00 1
396	phk dp	L	80x 6 52		2M20/1 8.8	120.5 120.5	200 75.9	0.3980 0.1679	71 68	0.2775 0.4103	2.00 1
397	lhk hd	L	60x 6 52		1M16/1 8.8	147.7 147.7	250 125.2	0.4542 0.3835	68 67	0.4883 0.5775	2.00 1
398	lhk hd	L	45x 4 52		1M16/1 8.8	105.2 105.2	250 118.5	0.7476 0.4864	67 68	0.3461 0.6141	2.00 1

	399	lhk	L	60x 6	1M16/1	147.7	250	0.4545	68	0.4894	2.00	
		hd		52	8.8	147.7	125.2	0.3844	67	0.5789	1	
+												
	400	lhk	L	45x 4	1M12/1	113.7	250	0.0180	69	0.0131	1.50	
		pp		52	8.8	113.7	128.1	0.0000	67	0.0233	1	
+												
	401	lhk	L	45x 4	1M12/1	46.7	250	0.0000	67	0.0079	2.00	
		hd		52	8.8	46.7	52.6	0.0068	47	0.0105	1	
+												
	402	lhk	L	45x 4	1M12/1	113.7	250	0.0326	70	0.0237	1.50	
		pp		52	8.8	113.7	128.1	0.0000	68	0.0420	1	
+												
	403	lhk	L	45x 4	1M12/1	46.7	250	0.0000	68	0.0161	2.00	
		hd		52	8.8	46.7	52.6	0.0140	70	0.0215	1	
+												
	404	lhk	L	50x 5	2M16/1	117.9	400	0.0000	61	0.0887	2.00	
		th		52	8.8	176.8	180.0	0.1227	47	0.1259	1	
+												
	405	lhk	L	50x 5	2M16/1	113.7	400	0.0000	61	0.0851	2.00	
		th		52	8.8	170.6	173.7	0.1177	48	0.1207	1	
+												
	406	lhk	L	50x 5	2M16/1	117.9	400	0.0000	54	0.4450	2.00	
		th		52	8.8	176.8	180.0	0.6156	70	0.6315	1	
+												
	407	lhk	L	50x 5	2M16/1	113.7	400	0.0000	54	0.4374	2.00	
		th		52	8.8	170.6	173.7	0.6052	70	0.6208	1	
+												
	408	lhk	L	80x 6	2M20/1	103.7	200	0.1944	68	0.1552	2.00	
		dp		52	8.8	103.7	65.3	0.1123	67	0.2295	1	
+												
	409	lhk	L	80x 6	2M20/1	103.7	250	0.1485	47	0.1186	1.50	
		pp		52	8.8	103.7	65.3	0.0000	61	0.2337	1	
+												
	410	lhk	L	80x 6	2M20/1	103.7	250	0.3115	70	0.2488	1.50	
		pp		52	8.8	103.7	65.3	0.0860	68	0.4904	1	
+												
	411	lhk	L	80x 6	2M20/1	103.7	200	0.3968	67	0.3169	2.00	
		dp		52	8.8	103.7	65.3	0.1748	68	0.4685	1	
+												
	412	d2	L	40x 5	1M12/1	234.8	250	0.2105	58	0.1266	2.00	
		rv		52	8.8	117.4	150.5	0.0768	59	0.1348	1	
+												
	413	d2	L	40x 5	1M12/1	234.8	250	0.2335	59	0.1404	2.00	
		rv		52	8.8	117.4	150.5	0.0938	58	0.1495	1	
+												
	414	d2	L	40x 5	1M12/1	191.8	250	0.4488	56	0.3775	2.00	
		rv		52	8.8	95.9	122.9	0.2709	57	0.4018	1	
+												
	415	d2	L	40x 5	1M12/1	191.8	250	0.4633	57	0.3897	2.00	
		rv		52	8.8	95.9	122.9	0.2906	56	0.4148	1	
+												
	416	d2	L	70x 6	1M16/1	135.6	250	0.0174	50	0.1005	2.00	
		vr		52	8.8	135.6	98.0	0.0628	72	0.1189	1	
+												
	417	d2	L	80x 6	2M20/1	135.6	250	0.3094	68	0.1895	2.00	
		vr		52	8.8	135.6	85.4	0.1895	67	0.2802	1	
+												
	418	d2	L	70x 6	1M16/1	135.6	250	0.0000	68	0.2097	2.00	
		vr		52	8.8	135.6	98.0	0.1309	73	0.2481	1	
+												
	419	d2	L	80x 6	2M20/1	135.6	250	0.4162	67	0.2549	2.00	
		vr		52	8.8	135.6	85.4	0.1465	68	0.3769	1	

420	d1	L	40x 5	1M12/1	148.8	250	0.2514	54	0.3089	2.00
	rv		52	8.8	74.4	95.4	0.2342	55	0.3288	1
421	d1	L	40x 5	1M12/1	148.8	250	0.2848	55	0.3499	2.00
	rv		52	8.8	74.4	95.4	0.2752	54	0.3725	1
422	d1	L	70x 6	1M16/1	105.2	250	0.0767	67	0.1507	2.00
	vr		52	8.8	105.2	76.0	0.0698	68	0.1782	1
423	d1	L	80x 6	2M20/1	105.2	250	0.2292	68	0.1975	2.00
	vr		52	8.8	105.2	66.3	0.2047	67	0.2920	1
424	d1	L	70x 6	1M16/1	105.2	250	0.0084	68	0.1616	2.00
	vr		52	8.8	105.2	76.0	0.1009	71	0.1911	1
425	d1	L	80x 6	2M20/1	105.2	250	0.3014	67	0.2379	2.00
	vr		52	8.8	105.2	66.3	0.1544	68	0.3517	1
426	zd0	L	60x 6	1M16/1	299.6	250	0.0003	69	0.0006	2.00
	vr		52	8.8	74.9	63.5	0.0000	40	0.0007	1
427	zd0	L	60x 6	1M16/1	299.6	250	0.0003	69	0.0006	2.00
	vr		52	8.8	74.9	63.5	0.0000	40	0.0007	1
428	zd0	L	60x 6	1M16/1	299.6	250	0.0003	69	0.0006	2.00
	vr		52	8.8	74.9	63.5	0.0000	40	0.0007	1
429	zd0	L	60x 6	1M16/1	299.6	250	0.0003	69	0.0006	2.00
	vr		52	8.8	74.9	63.5	0.0000	40	0.0007	1
430	zd0	L	60x 6	1M16/1	327.7	250	0.0001	69	0.0003	2.00
	hd		52	8.8	81.9	69.4	0.0000	40	0.0003	1
431	zd0	L	60x 6	1M16/1	317.3	250	0.0003	69	0.0005	2.00
	hd		52	8.8	79.3	67.2	0.0000	40	0.0006	1
432	zd0	L	60x 6	1M16/1	327.7	250	0.0001	69	0.0003	2.00
	hd		52	8.8	81.9	69.4	0.0000	40	0.0003	1
433	zd0	L	60x 6	1M16/1	317.3	250	0.0003	69	0.0005	2.00
	hd		52	8.8	79.3	67.2	0.0000	40	0.0006	1
434	zd0	L	60x 6	1M16/1	327.7	250	0.0001	69	0.0003	2.00
	hd		52	8.8	81.9	69.4	0.0000	40	0.0003	1
435	zd0	L	60x 6	1M16/1	317.3	250	0.0003	69	0.0005	2.00
	hd		52	8.8	79.3	67.2	0.0000	40	0.0006	1
436	zd0	L	60x 6	1M16/1	327.7	250	0.0001	69	0.0003	2.00
	hd		52	8.8	81.9	69.4	0.0000	40	0.0003	1
437	zd0	L	60x 6	1M16/1	317.3	250	0.0003	69	0.0005	2.00
	hd		52	8.8	79.3	67.2	0.0000	40	0.0006	1
438	zd0	L	160x16	8M24/2	145.2	200	0.0000	40	0.0010	2.00
	ru		52	8.8	36.3	43.8	0.0016	69	0.0013	2
439	zd0	L	160x16	8M24/2	145.2	200	0.0000	40	0.0004	2.00
	ru		52	8.8	36.3	43.8	0.0007	69	0.0005	2
440	zd0	L	160x16	8M24/2	145.2	200	0.0000	40	0.0010	2.00

	ru		52	8.8	36.3	43.8	0.0016	69	0.0013	2
+										+
	441	zd0	L 160x16	8M24/2	145.2	200	0.0000	40	0.0004	2.00
		ru	52	8.8	36.3	43.8	0.0007	69	0.0005	2
+										+
	442	zd0	L 160x16	8M24/2	145.2	200	0.0000	40	0.0010	2.00
		ru	52	8.8	36.3	43.8	0.0016	69	0.0013	2
+										+
	443	zd0	L 160x16	8M24/2	145.2	200	0.0000	40	0.0004	2.00
		ru	52	8.8	36.3	43.8	0.0007	69	0.0005	2
+										+
	444	zd0	L 160x16	8M24/2	145.2	200	0.0000	40	0.0010	2.00
		ru	52	8.8	36.3	43.8	0.0016	69	0.0013	2
+										+
	445	zd0	L 160x16	8M24/2	145.2	200	0.0000	40	0.0004	2.00
		ru	52	8.8	36.3	43.8	0.0007	69	0.0005	2
+										+
	446	d1	L 45x 4	1M16/1	97.6	250	0.1482	47	0.0771	2.00
		vr	52	8.8	97.6	110.0	0.0211	67	0.1367	1
+										+
	447	d1	L 60x 6	1M16/1	97.6	250	0.0734	67	0.1936	2.00
		vr	52	8.8	97.6	82.7	0.1521	68	0.2290	1
+										+
	448	d1	L 45x 4	1M16/1	97.6	250	0.0399	71	0.0739	2.00
		vr	52	8.8	97.6	110.0	0.1333	47	0.1311	1
+										+
	449	d1	L 60x 6	1M16/1	97.6	250	0.0547	68	0.5380	2.00
		vr	52	8.8	97.6	82.7	0.4226	70	0.6363	1
+										+
	450	d+0	L 80x 6	2M16/1	133.2	250	0.3603	47	0.1999	2.00
		vr	52	8.8	199.8	125.9	0.0104	69	0.2364	1
+										+
	451	d+0	L 80x 6	2M16/1	133.2	250	0.0171	69	0.2142	2.00
		vr	52	8.8	199.8	125.9	0.1356	47	0.2533	1
+										+
	452	d+0	L 80x 6	2M16/1	133.2	250	0.1687	68	0.1434	2.00
		vr	52	8.8	199.8	125.9	0.0908	67	0.1696	1
+										+
	453	d+0	L 80x 6	2M16/1	133.2	250	0.2168	67	0.1203	2.00
		vr	52	8.8	199.8	125.9	0.0711	68	0.1423	1
+										+
	454	d+0	L 80x 6	2M16/1	133.2	250	0.0000	71	0.1983	2.00
		vr	52	8.8	199.8	125.9	0.1255	47	0.2345	1
+										+
	455	d+0	L 80x 6	2M16/1	133.2	250	0.3760	47	0.2086	2.00
		vr	52	8.8	199.8	125.9	0.0000	71	0.2467	1
+										+
	456	d+0	L 80x 6	2M16/1	133.2	250	0.2593	67	0.1439	2.00
		vr	52	8.8	199.8	125.9	0.0638	68	0.1702	1
+										+
	457	d+0	L 80x 6	2M16/1	133.2	250	0.2022	68	0.1285	2.00
		vr	52	8.8	199.8	125.9	0.0814	67	0.1520	1
+										+
	458	ru0	L 250x28	8M24/2	75.1	200	0.1246	67	0.3559	2.00
		ru	52	8.8	75.1	38.9	0.2167	47	0.2706	2
+										+
	459	ru0	L 250x28	8M24/2	25.0	200	0.1225	67	0.3636	2.00
		ru	52	8.8	25.0	38.9	0.2214	47	0.2765	2
+										+
	460	ru0	L 250x28	8M24/2	25.0	200	0.1227	67	0.3633	2.00
		ru	52	8.8	25.0	38.9	0.2212	47	0.2762	2
+										+

	461	ru0	L	250x28	8M24/2	75.1	200	0.3497	47	0.5737	2.00	
		ru		52	8.8	75.1	38.9	0.0810	68	0.4362	2	
+												
	462	ru0	L	250x28	8M24/2	25.0	200	0.3437	47	0.5863	2.00	
		ru		52	8.8	25.0	38.9	0.0824	68	0.4458	2	
+												
	463	ru0	L	250x28	8M24/2	25.0	200	0.3438	47	0.5866	2.00	
		ru		52	8.8	25.0	38.9	0.0823	68	0.4460	2	
+												
	464	ru0	L	250x28	8M24/2	75.1	200	0.2448	47	0.4016	2.00	
		ru		52	8.8	75.1	38.9	0.1044	67	0.3054	2	
+												
	465	ru0	L	250x28	8M24/2	25.0	200	0.2407	47	0.4107	2.00	
		ru		52	8.8	25.0	38.9	0.1063	67	0.3122	2	
+												
	466	ru0	L	250x28	8M24/2	25.0	200	0.2409	47	0.4110	2.00	
		ru		52	8.8	25.0	38.9	0.1061	67	0.3125	2	
+												
	467	ru0	L	250x28	8M24/2	75.1	200	0.0992	68	0.5279	2.00	
		ru		52	8.8	75.1	38.9	0.3215	47	0.4014	2	
+												
	468	ru0	L	250x28	8M24/2	25.0	200	0.0975	68	0.5392	2.00	
		ru		52	8.8	25.0	38.9	0.3284	47	0.4100	2	
+												
	469	ru0	L	250x28	8M24/2	25.0	200	0.0977	68	0.5389	2.00	
		ru		52	8.8	25.0	38.9	0.3282	47	0.4097	2	
+												
	470	d+0	L	60x 6	1M16/1	274.4	250	0.0015	68	0.0053	2.00	
		vr		52	8.8	68.6	58.2	0.0042	67	0.0063	1	
+												
	471	d+0	L	60x 6	1M16/1	274.4	250	0.0000	69	0.0075	2.00	
		vr		52	8.8	68.6	58.2	0.0059	47	0.0088	1	
+												
	472	d+0	L	60x 6	1M16/1	274.4	250	0.0020	67	0.0043	2.00	
		vr		52	8.8	68.6	58.2	0.0033	68	0.0050	1	
+												
	473	d+0	L	60x 6	1M16/1	274.4	250	0.0029	47	0.0061	2.00	
		vr		52	8.8	68.6	58.2	0.0007	69	0.0073	1	
+												
	474	d+0	L	70x 8	2M16/1	155.5	250	0.0238	69	0.2343	2.00	
		hd		52	8.8	155.5	113.5	0.1339	47	0.2078	1	
+												
	475	d+0	L	70x 8	2M16/1	155.5	250	0.3157	47	0.2388	2.00	
		hd		52	8.8	155.5	113.5	0.0067	69	0.2118	1	
+												
	476	d+0	L	70x 8	2M16/1	155.5	250	0.0000	71	0.2304	2.00	
		hd		52	8.8	155.5	113.5	0.1317	47	0.2044	1	
+												
	477	d+0	L	70x 8	2M16/1	155.5	250	0.3100	47	0.2344	2.00	
		hd		52	8.8	155.5	113.5	0.0000	71	0.2079	1	
+												
	478	d+0	L	70x 8	2M16/1	155.5	250	0.2022	67	0.1529	2.00	
		hd		52	8.8	155.5	113.5	0.0660	68	0.1356	1	
+												
	479	d+0	L	70x 8	2M16/1	155.5	250	0.1585	68	0.1483	2.00	
		hd		52	8.8	155.5	113.5	0.0848	67	0.1316	1	
+												
	480	d+0	L	70x 8	2M16/1	155.5	250	0.2083	67	0.1575	2.00	
		hd		52	8.8	155.5	113.5	0.0684	68	0.1397	1	
+												
	481	d+0	L	70x 8	2M16/1	155.5	250	0.1634	68	0.1537	2.00	
		hd		52	8.8	155.5	113.5	0.0878	67	0.1363	1	

482	d1	L 100x10	6M16/1	95.2	200	0.0662	70	0.1003	2.00
	ru	52	8.8	95.2	48.5	0.0725	47	0.0712	2
483	d2	L 140x12	8M20/1	75.1	200	0.1693	67	0.2942	2.00
	ru	52	8.8	75.1	51.6	0.2556	68	0.2175	2
484	d1	L 100x10	6M16/1	95.2	200	0.1617	47	0.1754	2.00
	ru	52	8.8	95.2	48.5	0.0197	53	0.1245	2
485	d2	L 140x12	8M20/1	75.1	200	0.4681	47	0.4963	2.00
	ru	52	8.8	75.1	51.6	0.0985	68	0.3669	2
486	d1	L 100x10	6M16/1	95.2	200	0.1280	47	0.1389	2.00
	ru	52	8.8	95.2	48.5	0.0229	60	0.0986	2
487	d2	L 140x12	8M20/1	75.1	200	0.3314	47	0.3514	2.00
	ru	52	8.8	75.1	51.6	0.1242	67	0.2598	2
488	d1	L 100x10	6M16/1	95.2	200	0.0437	53	0.1407	2.00
	ru	52	8.8	95.2	48.5	0.1017	47	0.0998	2
489	d2	L 140x12	8M20/1	75.1	200	0.1346	68	0.4388	2.00
	ru	52	8.8	75.1	51.6	0.3813	47	0.3244	2
490	lhk	L 80x10	3M16/1	105.2	250	0.0000	61	0.1517	2.00
	hd	52	8.8	105.2	67.4	0.0792	49	0.1077	1
491	phk	L 80x10	3M16/1	22.5	250	0.0000	55	0.1959	2.00
	hd	52	8.8	22.5	34.4	0.1023	47	0.1390	1
492	d1	L 100x10	6M16/1	142.2	200	0.1183	70	0.1718	2.00
	ru	52	8.8	142.2	72.4	0.1242	47	0.1219	2
493	d1	L 100x10	6M16/1	143.2	200	0.1859	67	0.2494	2.00
	ru	52	8.8	143.2	72.9	0.1802	47	0.1770	2
494	d1	L 100x10	6M16/1	47.6	200	0.1570	67	0.2989	2.00
	ru	52	8.8	95.2	48.5	0.2160	47	0.2121	2
495	d2	L 140x12	8M20/1	47.6	200	0.0817	67	0.1433	2.00
	ru	52	8.8	95.2	51.6	0.1245	47	0.1059	2
496	d1	L 100x10	6M16/1	142.2	200	0.3411	47	0.2764	2.00
	ru	52	8.8	142.2	72.4	0.0411	68	0.1961	2
497	d1	L 100x10	6M16/1	143.2	200	0.5219	47	0.4199	2.00
	ru	52	8.8	143.2	72.9	0.0732	68	0.2979	2
498	d1	L 100x10	6M16/1	47.6	200	0.4713	47	0.5115	2.00
	ru	52	8.8	95.2	48.5	0.0752	68	0.3629	2
499	d2	L 140x12	8M20/1	47.6	200	0.2451	47	0.2456	2.00
	ru	52	8.8	95.2	51.6	0.0433	68	0.1816	2
500	d1	L 100x10	6M16/1	142.2	200	0.2577	47	0.2087	2.00
	ru	52	8.8	142.2	72.4	0.0481	67	0.1481	2
501	d1	L 100x10	6M16/1	143.2	200	0.3731	47	0.3002	2.00
	ru	52	8.8	143.2	72.9	0.0912	67	0.2130	2
502	d1	L 100x10	6M16/1	47.6	200	0.3464	47	0.3759	2.00

	ru		52		8.8		95.2	48.5	0.0920	67	0.2668	2	
	503	d2	L	140x12	8M20/1		47.6	200	0.1802	47	0.1806	2.00	
		ru		52	8.8		95.2	51.6	0.0530	67	0.1335	2	
	504	d1	L	100x10	6M16/1		142.2	200	0.0943	68	0.2429	2.00	
		ru		52	8.8		142.2	72.4	0.1755	47	0.1724	2	
	505	d1	L	100x10	6M16/1		143.2	200	0.1477	68	0.3659	2.00	
		ru		52	8.8		143.2	72.9	0.2644	47	0.2596	2	
	506	d1	L	100x10	6M16/1		47.6	200	0.1259	68	0.4356	2.00	
		ru		52	8.8		95.2	48.5	0.3148	47	0.3091	2	
	507	d2	L	140x12	8M20/1		47.6	200	0.0656	68	0.2089	2.00	
		ru		52	8.8		95.2	51.6	0.1815	47	0.1545	2	
	508	d1	L	60x 6	1M16/1		128.0	250	0.0848	68	0.7292	2.00	
		vr		52	8.8		128.0	108.5	0.5728	72	0.8625	1	
	509	d1	L	45x 4	1M16/1		128.0	250	0.0964	73	0.0971	2.00	
		vr		52	8.8		128.0	144.2	0.1752	47	0.1723	1	
	510	d1	L	60x 6	1M16/1		128.0	250	0.1072	67	0.2601	2.00	
		vr		52	8.8		128.0	108.5	0.2043	68	0.3076	1	
	511	d1	L	45x 4	1M16/1		128.0	250	0.3577	47	0.1202	2.00	
		vr		52	8.8		128.0	144.2	0.0097	69	0.2132	1	
	512	lsk	L	80x 6	2M20/1		105.7	200	0.4551	72	0.3578	2.00	
		dp		52	8.8		105.7	66.6	0.1608	68	0.5290	1	
	513	lsk	L	80x 6	2M20/1		105.7	200	0.6747	72	0.3381	2.00	
		dp		52	8.8		158.6	99.9	0.0527	68	0.4998	1	
	514	lsk	L	80x 6	2M20/1		105.7	200	0.2600	68	0.1303	2.00	
		dp		52	8.8		158.6	99.9	0.0695	67	0.1926	1	
	515	lsk	L	80x 6	2M20/1		105.7	200	0.2977	68	0.2341	2.00	
		dp		52	8.8		105.7	66.6	0.2089	67	0.3461	1	
	516	lsk	L	80x 6	2M20/1		52.9	200	0.3799	72	0.3478	2.00	
		dp		52	8.8		84.6	59.1	0.1619	68	0.5142	1	
	517	lsk	L	80x 6	2M20/1		52.9	200	0.3721	72	0.3407	2.00	
		dp		52	8.8		84.6	59.1	0.0526	68	0.5036	1	
	518	lsk	L	80x 6	2M20/1		52.9	200	0.1424	68	0.1304	2.00	
		dp		52	8.8		84.6	59.1	0.0694	67	0.1927	1	
	519	lsk	L	80x 6	2M20/1		52.9	200	0.2509	68	0.2297	2.00	
		dp		52	8.8		84.6	59.1	0.2097	67	0.3396	1	
	520	lsk	L	50x 5	2M16/1		110.3	400	0.0000	56	0.6227	2.00	
		th		52	8.8		215.0	218.9	0.8615	72	0.8837	1	
	521	lsk	L	50x 5	2M16/1		110.3	400	0.0000	63	0.1241	2.00	
		th		52	8.8		215.0	218.9	0.1718	48	0.1762	1	
	522	lsk	L	50x 5	2M16/1		110.3	400	0.0000	56	0.6426	2.00	
		th		52	8.8		215.0	218.9	0.8891	72	0.9121	1	

	523	lsk	L	50x 5	2M16/1	114.2	400	0.0000	56	0.6485	2.00	
		th		52	8.8	222.8	226.9	0.8972	72	0.9204	1	
+												+
	524	lsk	L	50x 5	2M16/1	110.3	400	0.0000	63	0.1302	2.00	
		th		52	8.8	215.0	218.9	0.1801	47	0.1847	1	
+												+
	525	lsk	L	50x 5	2M16/1	114.2	400	0.0000	63	0.1339	2.00	
		th		52	8.8	222.8	226.9	0.1852	47	0.1900	1	
+												+
	526	lsk	L	45x 4	1M12/1	31.3	250	0.0000	68	0.0297	1.50	
		pp		52	8.8	31.3	49.1	0.0257	72	0.0526	1	
+												+
	527	lsk	L	45x 4	1M12/1	110.3	250	0.0748	72	0.0571	1.50	
		pp		52	8.8	110.3	124.3	0.0000	68	0.1013	1	
+												+
	528	lsk	L	45x 4	1M12/1	62.6	250	0.0000	68	0.0149	1.50	
		pp		52	8.8	62.6	70.5	0.0129	72	0.0264	1	
+												+
	529	lsk	L	45x 4	1M12/1	122.9	250	0.0367	73	0.0234	1.50	
		pp		52	8.8	122.9	138.5	0.0000	68	0.0416	1	
+												+
	530	lsk	L	45x 4	1M12/1	31.3	250	0.0000	67	0.0115	1.50	
		pp		52	8.8	31.3	49.1	0.0100	68	0.0204	1	
+												+
	531	lsk	L	45x 4	1M12/1	110.3	250	0.0339	68	0.0259	1.50	
		pp		52	8.8	110.3	124.3	0.0000	67	0.0459	1	
+												+
	532	lsk	L	45x 4	1M12/1	62.6	250	0.0000	67	0.0140	1.50	
		pp		52	8.8	62.6	70.5	0.0121	73	0.0248	1	
+												+
	533	lsk	L	45x 4	1M12/1	122.9	250	0.0339	73	0.0217	1.50	
		pp		52	8.8	122.9	138.5	0.0000	67	0.0384	1	
+												+
	534	lsk	L	60x 6	1M16/1	208.7	250	0.1673	68	0.2374	2.00	
		hd		52	8.8	104.3	88.4	0.1865	67	0.2808	1	
+												+
	535	lsk	L	60x 6	1M16/1	208.7	250	0.2287	67	0.3189	2.00	
		hd		52	8.8	104.3	88.4	0.1375	68	0.3771	1	
+												+
	536	lsk	L	60x 6	1M16/1	208.7	250	0.2176	67	0.3034	2.00	
		hd		52	8.8	104.3	88.4	0.1475	68	0.3588	1	
+												+
	537	lsk	L	60x 6	1M16/1	208.7	250	0.1763	68	0.2458	2.00	
		hd		52	8.8	104.3	88.4	0.1742	67	0.2907	1	
+												+
	538	lsk	L	45x 4	1M16/1	135.6	250	0.0000	56	0.1884	2.00	
		hd		52	8.8	135.6	152.8	0.3399	72	0.3342	1	
+												+
	539	psk	L	80x 6	2M20/1	117.3	200	0.5355	73	0.3835	2.00	
		dp		52	8.8	117.3	73.9	0.2032	68	0.5670	1	
+												+
	540	psk	L	80x 6	2M20/1	117.3	200	0.5025	73	0.3598	2.00	
		dp		52	8.8	117.3	73.9	0.1537	68	0.5320	1	
+												+
	541	psk	L	80x 6	2M20/1	117.3	200	0.4835	73	0.3462	2.00	
		dp		52	8.8	117.3	73.9	0.0145	40	0.5119	1	
+												+
	542	psk	L	80x 6	2M20/1	117.3	200	0.2198	68	0.1836	2.00	
		dp		52	8.8	117.3	73.9	0.1903	67	0.2714	1	
+												+
	543	psk	L	80x 6	2M20/1	117.3	200	0.2829	68	0.2411	2.00	
		dp		52	8.8	117.3	73.9	0.2499	67	0.3565	1	

544	psk	L	80x 6	2M20/1	117.3	200	0.3239	68	0.2745	2.00
	dp		52	8.8	117.3	73.9	0.2844	67	0.4058	1
545	psk	L	50x 5	2M16/1	125.1	400	0.0000	57	0.5940	2.00
	th		52	8.8	244.0	248.4	0.8218	73	0.8430	1
546	psk	L	50x 5	2M16/1	125.1	400	0.0000	68	0.1672	2.00
	th		52	8.8	244.0	248.4	0.2313	73	0.2373	1
547	psk	L	50x 5	2M16/1	121.2	400	0.0000	57	0.5389	2.00
	th		52	8.8	236.2	240.5	0.7456	73	0.7648	1
548	psk	L	50x 5	2M16/1	121.2	400	0.0000	57	0.5820	2.00
	th		52	8.8	236.2	240.5	0.8052	73	0.8260	1
549	psk	L	50x 5	2M16/1	121.2	400	0.0000	68	0.1956	2.00
	th		52	8.8	236.2	240.5	0.2706	73	0.2776	1
550	psk	L	50x 5	2M16/1	121.2	400	0.0000	68	0.1692	2.00
	th		52	8.8	236.2	240.5	0.2341	73	0.2402	1
551	psk	L	45x 4	1M12/1	133.4	250	0.0837	73	0.0466	1.50
	pp		52	8.8	133.4	150.3	0.0000	68	0.0827	1
552	psk	L	45x 4	1M12/1	62.7	250	0.0008	68	0.0297	1.50
	pp		52	8.8	62.7	70.6	0.0257	73	0.0528	1
553	psk	L	45x 4	1M12/1	121.6	250	0.2046	73	0.1332	1.50
	pp		52	8.8	121.6	137.0	0.0208	68	0.2363	1
554	psk	L	45x 4	1M12/1	31.4	250	0.0054	68	0.0661	1.50
	pp		52	8.8	31.4	49.1	0.0572	73	0.1173	1
555	psk	L	45x 4	1M12/1	133.4	250	0.0452	68	0.0252	1.50
	pp		52	8.8	133.4	150.3	0.0075	73	0.0446	1
556	psk	L	45x 4	1M12/1	62.7	250	0.0060	73	0.0150	1.50
	pp		52	8.8	62.7	70.6	0.0130	68	0.0267	1
557	psk	L	45x 4	1M12/1	121.6	250	0.0971	68	0.0795	1.50
	pp		52	8.8	121.6	137.0	0.0688	73	0.1410	1
558	psk	L	45x 4	1M12/1	31.4	250	0.0170	73	0.0405	1.50
	pp		52	8.8	31.4	49.1	0.0243	68	0.0719	1
559	psk	2L	45x 4	1M16/1	122.9	250	0.4730	67	0.6913	2.00
	hd		52	8.8	122.9	90.3	0.4838	68	0.6132	1
560	psk	L	45x 4	1M16/1	60.2	250	0.1136	68	0.1371	2.00
	hd		52	8.8	60.2	67.8	0.2473	67	0.2432	1
561	psk	L	45x 4	1M16/1	140.2	250	0.7271	67	0.2090	2.00
	hd		52	8.8	140.2	157.9	0.2936	68	0.3708	1
562	psk	L	45x 4	1M16/1	97.9	250	0.1316	68	0.0874	2.00
	hd		52	8.8	97.9	110.3	0.1577	67	0.1551	1
563	psk	L	45x 4	1M16/1	164.4	250	0.4808	67	0.1044	2.00
	hd		52	8.8	164.4	185.2	0.1466	68	0.1852	1
564	ldk	L	80x10	3M16/1	166.0	250	0.0000	58	0.1843	2.00

		hd		52		8.8		166.0	106.3	0.0962	47	0.1308	1	
+														+
	565	pdk	L	80x10	3M16/1	22.5	250	0.0000	59	0.2030	2.00			
		hd		52	8.8	22.5	34.4	0.1060	47	0.1440	1			
+														+
	566	sp	L	35x 4	1M12/1	15.0	250	0.0272	69	0.3320	2.00			
		hd		52	8.8	15.0	37.8	0.4347	47	0.4418	1			
+														+
	567	sp	L	35x 4	1M12/1	15.0	250	0.0161	69	0.0324	2.00			
		hd		52	8.8	15.0	37.8	0.0000	53	0.0430	1			
+														+
	568	sp	L	35x 4	1M12/1	15.0	250	0.0821	67	0.1650	2.00			
		hd		52	8.8	15.0	37.8	0.1818	68	0.2195	1			
+														+
	569	sp	L	35x 4	1M12/1	15.0	250	0.0022	41	0.0044	2.00			
		hd		52	8.8	15.0	37.8	0.0054	47	0.0059	1			
+														+
	570	sp	L	35x 4	1M12/1	15.0	250	0.1632	47	0.3279	2.00			
		hd		52	8.8	15.0	37.8	0.0000	69	0.4362	1			
+														+
	571	sp	L	35x 4	1M12/1	15.0	250	0.0053	47	0.0107	2.00			
		hd		52	8.8	15.0	37.8	0.0014	68	0.0143	1			
+														+
	572	sp	L	35x 4	1M12/1	15.0	250	0.1049	68	0.2516	2.00			
		hd		52	8.8	15.0	37.8	0.3294	67	0.3348	1			
+														+
	573	sp	L	35x 4	1M12/1	15.0	250	0.0048	69	0.0096	2.00			
		hd		52	8.8	15.0	37.8	0.0007	70	0.0128	1			
+														+
	574	sp	L	35x 4	1M12/1	21.2	250	0.0481	68	0.1165	2.00			
		hd		52	8.8	21.2	37.8	0.1525	67	0.1550	1			
+														+
	575	sp	L	35x 4	1M12/1	21.2	250	0.0594	67	0.1118	2.00			
		hd		52	8.8	21.2	37.8	0.1289	68	0.1488	1			
+														+
	576	sp	L	35x 4	1M12/1	21.2	250	0.0893	67	0.1679	2.00			
		hd		52	8.8	21.2	37.8	0.1957	68	0.2234	1			
+														+
	577	sp	L	35x 4	1M12/1	21.2	250	0.0770	68	0.1848	2.00			
		hd		52	8.8	21.2	37.8	0.2420	67	0.2459	1			
+														+
	578	sp	L	35x 4	1M12/1	30.0	250	0.0000	53	0.6406	2.00			
		hd		52	8.8	30.0	43.8	0.8386	47	0.8523	1			
+														+
	579	sp	L	70x 6	4M16/1	82.6	200	0.1101	67	0.1713	2.00			
		ru		52	8.8	82.6	59.7	0.2139	47	0.2026	2			
+														+
	580	sp	L	70x 6	4M16/1	82.6	200	0.0945	67	0.1591	2.00			
		ru		52	8.8	82.6	59.7	0.1986	47	0.1881	2			
+														+
	581	sp	L	70x 6	4M16/1	82.6	200	0.0710	67	0.1425	2.00			
		ru		52	8.8	82.6	59.7	0.1779	47	0.1686	2			
+														+
	582	sp	L	70x 6	4M16/1	82.6	200	0.0462	69	0.1194	2.00			
		ru		52	8.8	82.6	59.7	0.1490	47	0.1412	2			
+														+
	583	sp	L	70x 6	4M16/1	82.6	200	0.0500	69	0.0853	2.00			
		ru		52	8.8	82.6	59.7	0.1065	47	0.1009	2			
+														+
	584	sp	L	70x 6	4M16/1	82.6	200	0.3786	47	0.2308	2.00			
		ru		52	8.8	82.6	59.7	0.0801	68	0.2730	2			
+														+

	585	sp	L	70x 6	4M16/1	82.6	200	0.3389	47	0.2066	2.00	
		ru		52	8.8	82.6	59.7	0.0753	68	0.2443	2	
+												
	586	sp	L	70x 6	4M16/1	82.6	200	0.2819	47	0.1718	2.00	
		ru		52	8.8	82.6	59.7	0.0687	68	0.2032	2	
+												
	587	sp	L	70x 6	4M16/1	82.6	200	0.1923	47	0.1172	2.00	
		ru		52	8.8	82.6	59.7	0.0596	68	0.1386	2	
+												
	588	sp	L	70x 6	4M16/1	82.6	200	0.0836	67	0.0510	2.00	
		ru		52	8.8	82.6	59.7	0.0470	68	0.0603	2	
+												
	589	sp	L	70x 6	4M16/1	82.6	200	0.3044	47	0.1855	2.00	
		ru		52	8.8	82.6	59.7	0.0841	67	0.2194	2	
+												
	590	sp	L	70x 6	4M16/1	82.6	200	0.2816	47	0.1717	2.00	
		ru		52	8.8	82.6	59.7	0.0740	67	0.2031	2	
+												
	591	sp	L	70x 6	4M16/1	82.6	200	0.2518	47	0.1535	2.00	
		ru		52	8.8	82.6	59.7	0.0587	67	0.1815	2	
+												
	592	sp	L	70x 6	4M16/1	82.6	200	0.2102	47	0.1281	2.00	
		ru		52	8.8	82.6	59.7	0.0335	67	0.1515	2	
+												
	593	sp	L	70x 6	4M16/1	82.6	200	0.1470	47	0.0896	2.00	
		ru		52	8.8	82.6	59.7	0.0000	69	0.1060	2	
+												
	594	sp	L	70x 6	4M16/1	82.6	200	0.1153	68	0.2137	2.00	
		ru		52	8.8	82.6	59.7	0.2668	47	0.2528	2	
+												
	595	sp	L	70x 6	4M16/1	82.6	200	0.1112	68	0.1912	2.00	
		ru		52	8.8	82.6	59.7	0.2387	47	0.2262	2	
+												
	596	sp	L	70x 6	4M16/1	82.6	200	0.1063	68	0.1586	2.00	
		ru		52	8.8	82.6	59.7	0.1980	47	0.1875	2	
+												
	597	sp	L	70x 6	4M16/1	82.6	200	0.1013	68	0.1168	2.00	
		ru		52	8.8	82.6	59.7	0.1458	67	0.1381	2	
+												
	598	sp	L	70x 6	4M16/1	82.6	200	0.0991	68	0.0686	2.00	
		ru		52	8.8	82.6	59.7	0.0856	67	0.0811	2	
+												
	599	sp	L	50x 5	1M16/1	90.1	250	0.4385	47	0.4055	2.00	
		hd		52	8.8	90.1	91.7	0.0216	69	0.5754	1	
+												
	600	sp	L	45x 4	1M16/1	43.5	250	0.0000	69	0.1388	2.00	
		hd		52	8.8	43.5	49.5	0.2503	47	0.2462	1	
+												
	601	sp	L	50x 5	1M16/1	96.4	250	0.2819	47	0.2378	2.00	
		hd		52	8.8	96.4	98.2	0.0162	69	0.3375	1	
+												
	602	sp	L	45x 4	1M16/1	57.0	250	0.0073	69	0.1063	2.00	
		hd		52	8.8	57.0	64.2	0.1918	47	0.1886	1	
+												
	603	sp	L	50x 5	1M16/1	104.1	250	0.2140	47	0.1616	2.00	
		hd		52	8.8	104.1	106.0	0.0094	69	0.2293	1	
+												
	604	sp	L	45x 4	1M16/1	70.6	250	0.0055	69	0.0882	2.00	
		hd		52	8.8	70.6	79.5	0.1591	47	0.1565	1	
+												
	605	sp	L	50x 5	1M16/1	112.9	250	0.1836	47	0.1226	2.00	
		hd		52	8.8	112.9	115.0	0.0070	69	0.1740	1	

606	sp	L	45x	4	1M16/1	84.1	250	0.0051	69	0.0764	2.00
	hd		52		8.8	84.1	94.7	0.1378	47	0.1355	1
607	sp	L	50x	5	1M16/1	122.6	250	0.1667	47	0.0977	2.00
	hd		52		8.8	122.6	124.8	0.0061	69	0.1387	1
608	sp	L	50x	5	1M16/1	90.1	250	0.1783	68	0.1949	2.00
	hd		52		8.8	90.1	91.7	0.2410	67	0.2767	1
609	sp	L	45x	4	1M16/1	43.5	250	0.0555	67	0.0654	2.00
	hd		52		8.8	43.5	49.5	0.1001	68	0.1161	1
610	sp	L	50x	5	1M16/1	96.4	250	0.1146	68	0.1132	2.00
	hd		52		8.8	96.4	98.2	0.1399	67	0.1606	1
611	sp	L	45x	4	1M16/1	57.0	250	0.0519	67	0.0513	2.00
	hd		52		8.8	57.0	64.2	0.0784	68	0.0910	1
612	sp	L	50x	5	1M16/1	104.1	250	0.0856	68	0.0760	2.00
	hd		52		8.8	104.1	106.0	0.0939	67	0.1078	1
613	sp	L	45x	4	1M16/1	70.6	250	0.0525	67	0.0421	2.00
	hd		52		8.8	70.6	79.5	0.0639	68	0.0746	1
614	sp	L	50x	5	1M16/1	112.9	250	0.0722	68	0.0568	2.00
	hd		52		8.8	112.9	115.0	0.0703	67	0.0807	1
615	sp	L	45x	4	1M16/1	84.1	250	0.0545	67	0.0351	2.00
	hd		52		8.8	84.1	94.7	0.0543	68	0.0622	1
616	sp	L	50x	5	1M16/1	122.6	250	0.0647	68	0.0436	2.00
	hd		52		8.8	122.6	124.8	0.0539	67	0.0619	1
617	sp	L	50x	5	1M16/1	90.1	250	0.0000	69	0.3676	2.00
	hd		52		8.8	90.1	91.7	0.4544	47	0.5217	1
618	sp	L	45x	4	1M16/1	43.5	250	0.1054	47	0.1243	2.00
	hd		52		8.8	43.5	49.5	0.0000	69	0.2205	1
619	sp	L	50x	5	1M16/1	96.4	250	0.0000	69	0.2178	2.00
	hd		52		8.8	96.4	98.2	0.2692	47	0.3091	1
620	sp	L	45x	4	1M16/1	57.0	250	0.1019	47	0.1006	2.00
	hd		52		8.8	57.0	64.2	0.0000	69	0.1785	1
621	sp	L	50x	5	1M16/1	104.1	250	0.0000	69	0.1476	2.00
	hd		52		8.8	104.1	106.0	0.1825	47	0.2095	1
622	sp	L	45x	4	1M16/1	70.6	250	0.1043	47	0.0836	2.00
	hd		52		8.8	70.6	79.5	0.0000	70	0.1482	1
623	sp	L	50x	5	1M16/1	112.9	250	0.0000	70	0.1122	2.00
	hd		52		8.8	112.9	115.0	0.1387	47	0.1593	1
624	sp	L	45x	4	1M16/1	84.1	250	0.1123	47	0.0723	2.00
	hd		52		8.8	84.1	94.7	0.0000	70	0.1283	1
625	sp	L	50x	5	1M16/1	122.6	250	0.0000	70	0.0914	2.00
	hd		52		8.8	122.6	124.8	0.1130	47	0.1297	1
626	sp	L	50x	5	1M16/1	90.1	250	0.3201	67	0.2959	2.00

	hd		52		8.8		90.1	91.7	0.3081	68	0.4200	1	
+													+
	627	sp	L	45x 4	1M16/1		43.5	250	0.0712	68	0.0989	2.00	
		hd		52	8.8		43.5	49.5	0.1784	67	0.1754	1	
+													+
	628	sp	L	50x 5	1M16/1		96.4	250	0.2014	67	0.1698	2.00	
		hd		52	8.8		96.4	98.2	0.1787	68	0.2410	1	
+													+
	629	sp	L	45x 4	1M16/1		57.0	250	0.0656	68	0.0759	2.00	
		hd		52	8.8		57.0	64.2	0.1370	67	0.1347	1	
+													+
	630	sp	L	50x 5	1M16/1		104.1	250	0.1486	67	0.1122	2.00	
		hd		52	8.8		104.1	106.0	0.1175	68	0.1592	1	
+													+
	631	sp	L	45x 4	1M16/1		70.6	250	0.0649	68	0.0612	2.00	
		hd		52	8.8		70.6	79.5	0.1103	67	0.1085	1	
+													+
	632	sp	L	50x 5	1M16/1		112.9	250	0.1235	67	0.0825	2.00	
		hd		52	8.8		112.9	115.0	0.0862	68	0.1171	1	
+													+
	633	sp	L	45x 4	1M16/1		84.1	250	0.0677	68	0.0506	2.00	
		hd		52	8.8		84.1	94.7	0.0913	67	0.0898	1	
+													+
	634	sp	L	50x 5	1M16/1		122.6	250	0.1075	67	0.0630	2.00	
		hd		52	8.8		122.6	124.8	0.0665	68	0.0894	1	
+													+
	635	d3	L	60x 6	1M16/1		172.0	250	0.0396	68	0.0286	2.00	
		vr		52	8.8		172.0	145.8	0.0225	67	0.0338	1	
+													+
	636	d3	L	60x 6	1M16/1		172.0	250	0.0000	69	0.0798	2.00	
		vr		52	8.8		172.0	145.8	0.0627	47	0.0944	1	
+													+
	637	d3	L	60x 6	1M16/1		172.0	250	0.0502	67	0.0327	2.00	
		vr		52	8.8		172.0	145.8	0.0191	68	0.0387	1	
+													+
	638	d3	L	60x 6	1M16/1		172.0	250	0.1000	47	0.0652	2.00	
		vr		52	8.8		172.0	145.8	0.0044	69	0.0771	1	
+													+
	639	d2	L	80x 6	2M20/1		83.0	250	0.4242	47	0.2859	2.00	
		vr		52	8.8		124.5	78.4	0.0225	68	0.4227	1	
+													+
	640	d2	L	80x 6	2M20/1		83.0	250	0.1227	74	0.1397	2.00	
		vr		52	8.8		124.5	78.4	0.1448	59	0.2065	1	
+													+
	641	d2	L	70x 6	1M16/1		83.0	250	0.2034	68	0.5185	2.00	
		vr		52	8.8		124.5	90.0	0.3237	67	0.6133	1	
+													+
	642	d2	L	70x 6	1M16/1		83.0	250	0.2323	67	0.3736	2.00	
		vr		52	8.8		124.5	90.0	0.2308	68	0.4419	1	
+													+
	643	d2	L	80x 6	2M20/1		83.0	250	0.0683	68	0.1807	2.00	
		vr		52	8.8		124.5	78.4	0.1873	47	0.2672	1	
+													+
	644	d2	L	80x 6	2M20/1		83.0	250	0.3241	47	0.2185	2.00	
		vr		52	8.8		124.5	78.4	0.0293	67	0.3230	1	
+													+
	645	d2	L	70x 6	1M16/1		83.0	250	0.2868	67	0.4613	2.00	
		vr		52	8.8		124.5	90.0	0.2169	68	0.5456	1	
+													+
	646	d2	L	70x 6	1M16/1		83.0	250	0.2246	68	0.4447	2.00	
		vr		52	8.8		124.5	90.0	0.2776	67	0.5260	1	
+													+

	647	d2	L	70x 6	2M16/1	114.1	250	0.0360	69	0.4213	2.00	
		hd		52	8.8	114.1	82.4	0.3142	47	0.4983	1	
+												
	648	d2	L	70x 6	2M16/1	114.1	250	0.4747	47	0.4255	2.00	
		hd		52	8.8	114.1	82.4	0.0214	69	0.5032	1	
+												
	649	d2	L	70x 6	2M16/1	114.1	250	0.0000	71	0.4137	2.00	
		hd		52	8.8	114.1	82.4	0.3086	47	0.4893	1	
+												
	650	d2	L	70x 6	2M16/1	114.1	250	0.4626	47	0.4146	2.00	
		hd		52	8.8	114.1	82.4	0.0000	71	0.4903	1	
+												
	651	d2	L	70x 6	2M16/1	114.1	250	0.3323	67	0.2979	2.00	
		hd		52	8.8	114.1	82.4	0.1715	68	0.3523	1	
+												
	652	d2	L	70x 6	2M16/1	114.1	250	0.2599	68	0.2945	2.00	
		hd		52	8.8	114.1	82.4	0.2197	67	0.3483	1	
+												
	653	d2	L	70x 6	2M16/1	114.1	250	0.3359	67	0.3010	2.00	
		hd		52	8.8	114.1	82.4	0.1752	68	0.3560	1	
+												
	654	d2	L	70x 6	2M16/1	114.1	250	0.2629	68	0.3006	2.00	
		hd		52	8.8	114.1	82.4	0.2242	67	0.3555	1	
+												
	655	d3	L	35x 4	1M12/1	243.2	250	0.1430	59	0.0489	2.00	
		rv		52	8.8	121.6	177.4	0.0640	58	0.0651	1	
+												
	656	d3	L	35x 4	1M12/1	243.2	250	0.1461	58	0.0466	2.00	
		rv		52	8.8	121.6	177.4	0.0610	59	0.0620	1	
+												

END

5. Přehledná tabulka hmotností stožáru V30+0

Nazov dielca	Hmotnost [kg]	Nater [m2]
Dielec sp	290.3	11.2
Dielec lhk	112.8	4.4
Dielec phk	103.8	4.5
Dielec lsk	189.1	7.6
Dielec psk	150.6	6.7
Dielec ldk	127.9	4.8
Dielec pdk	104.8	4.5
Dielec d1	799.5	24.6
Dielec d2	1214.5	33.0
Dielec d3	2134.9	51.4
Dielec d4	2482.8	61.4
Dielec d+0	292.7	9.9
Dielec ru0	833.6	8.5
Dielec zd0	857.4	18.8
Stožiar V30+0		
celkom	9694.7	251.4