

Myunt volgt:  $270200 - 20,1Z = 39,7Z - 65200 \rightarrow Z = \frac{325400}{67,8} = 4800 \text{ g}$

$M_A = 53000 - 3,1 \times 4800 = 38100 \text{ Nm}$ ;  $M_B = 3,4 \times 4800 = 16300 \text{ Nm}$

$d_{z1} = 270200 - 20,1 \times 4800 = 126200 \text{ Nm}$

$d_{z2} = 39,7 \times 4800 - 65200 = 125800 \text{ Nm}$  } *vibrant aan elkaar gelijk*

$E = 21 \times 10^5 \text{ N/mm}^2$ ;  $I = \frac{1}{12} \times 56 \times 70^3 = 34 \times 10^5 \text{ cm}^4$

$f_z = \frac{126000 \times 10^6}{71,5 \times 10^{10}} = 0,176 \text{ cm}$

Spann in strammen ①

B						C					
BA	BD	DB	BF	FB	BC	CB	CE	EC	CG	GC	C <sub>0</sub>
35	22	0	28	0	15	22	34	0	44	0	-
1460					+16950	-29350					+38100
-5420	-3420	-1710	-4350	-2175	-2300	-1150					
					-1630	-2780	-4300	-2150	-5520	-2960	
+570	+360	+180	+460	+230	+240	+120					
					-13	-26	-41	-20	-53	-26	
+5	+3	+2	+4	+2	+1						
-6305	-3057	-1528	-3886	-1943	+13248	-28186	-4341	-2170	-5573	-2786	+38100
	+100	+100					+100	+100			-1/2
-35	-22	-11	-28	-14	-15	-8					
					-10	-20	-32	-16	-40	-20	
4	+2	+1	+3	+1	+1						
-31	+80	+90	-25	-13	-24	-28	+68	+84	-40	-20	
			+100	+100					+100	+100	1/2
-35	-22	-11	-28	-14	-15	-8					
					-10	-20	-32	-16	-40	-20	
+5	+2	+1	+3	+1	+1						
-31	-20	-10	+75	+87	-24	-28	-32	-16	+60	+80	1/2
-3410	+8800	+9900	-2750	-1430	-2640	-3080	+7480	+9240	-4400	-2200	y M2
-2600	-1680	-840	+6300	+7300	-2020	-2350	-2680	-1340	+5050	+6730	x M1
-6010	+7120	+9060	+3550	+5870	-4660	-5430	+4800	+7700	+650	+4530	M <sub>W</sub>
-1780	+4600	+5180	-1440	-750	-1380	-1610	+3910	+4040	-2300	-1150	b M2
-1720	-1110	-555	+4160	+4030	-1330	-1560	-1780	-890	+3330	+4450	a M1
-9805	+433	+3097	-1166	+2137	+10538	-31356	-2211	+1780	-4542	-514	+38100

