

Tvärkraft - o momentdiagram, fast inspändning

Frilägg

Bestäm reaktionskräfter

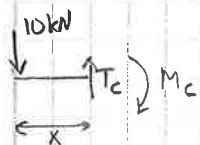
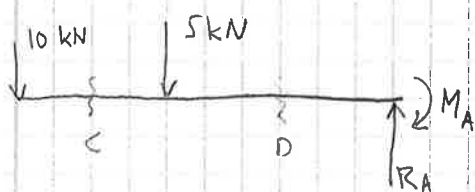
jämvikt

$$\uparrow: R_A = 10 + 5$$

$$R_A = 15 \text{ [kN]}$$

$$\curvearrowright: M_A = 10 \cdot 5 + 5 \cdot 3$$

$$= 65$$

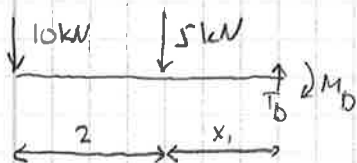


Snitt vid C

jämvikt

$$\uparrow: T_C = 10 \text{ kN}$$

$$\curvearrowright: M_C = 10 \cdot x \text{ [kN} \cdot \text{m]}$$



Snitt vid D

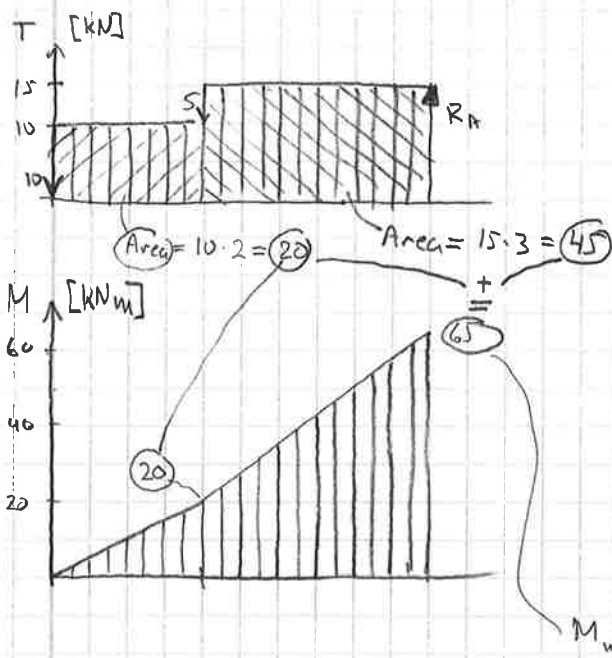
jämvikt

$$\uparrow: T_D = 10 + 5$$

$$T_D = 15 \text{ [kN]}$$

$$\curvearrowright: M_D = 10 \cdot (2 + x_1) + 5 \cdot x_1$$

$$= 20 + 15x_1$$



(m)	T [kN]	M [kNm]
x	0	10
	1	10
	2	10
x ₁	0	15
	1	15
	2	15
	3	15