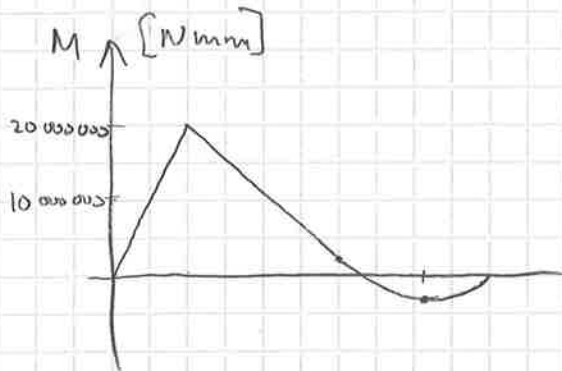
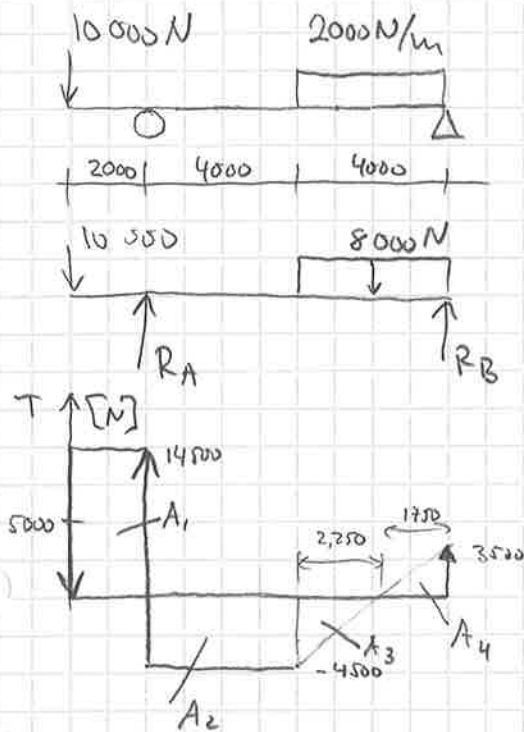


Rita tvärkrafts- och momentdiagram



$$\sum \vec{A}: -10000 \cdot 2000 + 8000 \cdot 6000 - R_B \cdot 8000 = 0$$

$$R_B = \frac{-20000000 + 48000000}{8000} = 3500 \text{ N}$$

$$\sum \uparrow: -10000 + R_A - 8000 + 3500 = 0$$

$$R_A = 14500 \text{ N}$$

$$A_1 = 10000 \cdot 2000 = 20000000 \text{ Nmm}$$

$$A_2 = 4500 \cdot 2250 = 10125000 \text{ Nmm}$$

$$A_3 = \frac{4500 \cdot 2250}{2} = 5062500 \text{ Nmm}$$

$$A_4 = \frac{3500 \cdot 1750}{2} = 3062500 \text{ Nmm}$$

x [mm]	M [Nmm]
0	0
2000	$A_1 = 20000000$
6000	$A_1 - A_2 = 20000000$
8250	$A_1 - A_2 - A_3 = -3062500$
10000	0