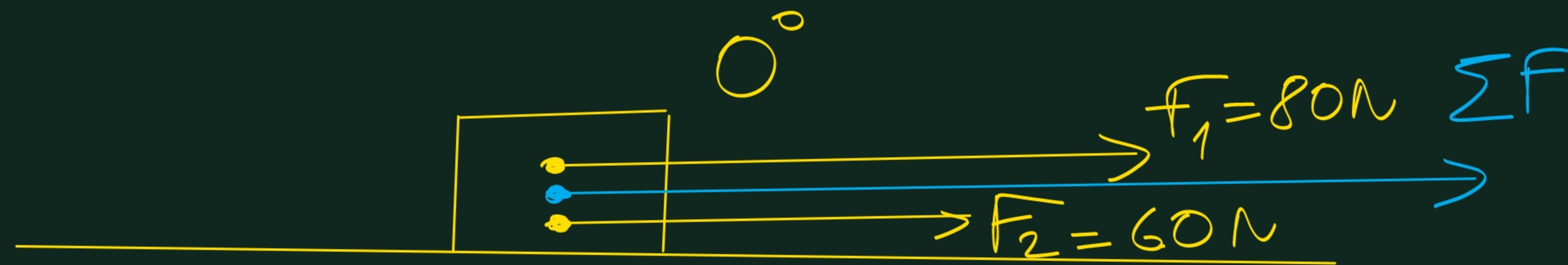


A6u. 1 6ε2.107

a)



$$\Sigma F = F_1 + F_2 = 140\text{ N}$$

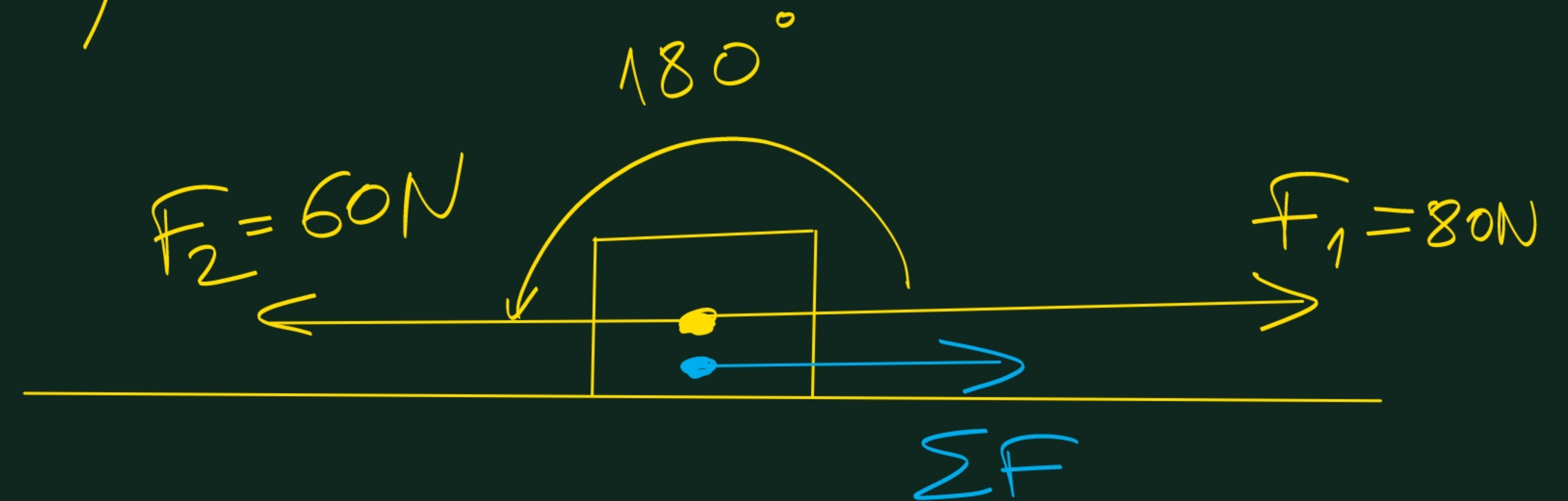
A6u. 3 | 6ε2.107

a) $F = F_1 + F_2 \Rightarrow$

$$10 = 4F_2 + F_2 \Rightarrow$$

$$\frac{10}{5} = \frac{5F_2}{5} \Rightarrow F_2 = 2\text{ N} \text{ und } F_1 = 8\text{ N}$$

b)



$$\Sigma F = F_1 - F_2 = 80 - 60 = 20\text{ N.}$$