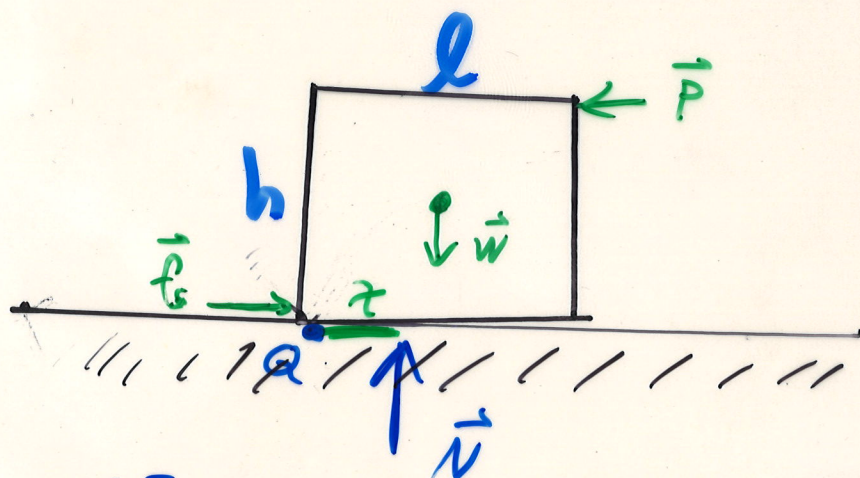


Now the block is tipped.

What forces act?
Where do they act?



$$\sum F_x = 0$$

$$P = f_s$$

$$\sum F_y = 0$$

$$W = N$$

$$\sum \tau_Q = 0$$

$$f_s \cdot 0 + N \cdot x - W \frac{l}{2} + Ph = 0$$

$$x = \frac{W \frac{l}{2} - Ph}{N} = \frac{l}{2} - \frac{Ph}{W} = \boxed{\frac{l}{2} - \frac{Ph}{mg}}$$

$x = 0 \rightarrow$ block tips