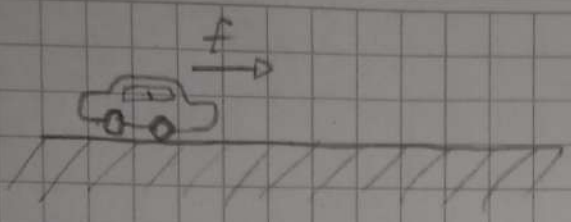
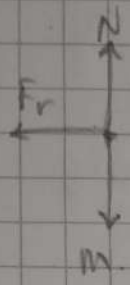


• D.C.L



Datos:

$V = 10\ m/s$ $\quad m = 1000\ kg$

$\Delta x = 15\ m$

$g = 9.81\ m/s^2$

$\sum F_y = 0$

$\sum F_x = m \cdot a \rightarrow f_r = m \cdot a$

$\rightarrow \mu \cdot N = m \cdot a \rightarrow a = \frac{\mu \cdot N}{m}$

$\rightarrow a = \frac{\mu \cdot (m \cdot g)}{m} = a = \frac{0.1 \cdot (1000 \cdot 9.81)}{1000}$

$a = -0.981\ m/s^2$