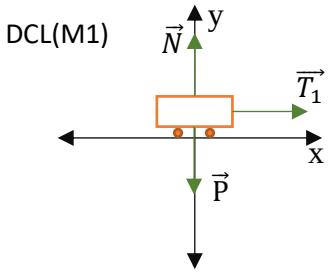
Datos :

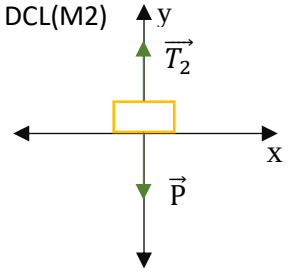
M1 = 518,4 g x $\frac{1Kg}{1000g} = 0{,}5184$ Kg

M2 = 70,5 g x $\frac{1Kg}{1000g} = 0{,}0705\ Kg$

Tierra	atraer	$\vec{P}$
M2	tirar	$\vec{T_1}$
superficie	sostener	$\vec{N}$



Tierra	atraer	$\vec{P}$
M1	tirar	$\vec{T_2}$



$$\Sigma\vec{F} = m\vec{a}$$

M1

$\Sigma\vec{F} = \vec{T_1} + \vec{N} + \vec{P} = m\vec{a}$

[T cos 0; T sen 0] + [N cos 90; N sen 90] + [5,184 cos 270; 5,184 sen 270] = 0,5184[a;0]

[T_1; 0] + [0; N] + [0; -5,184] = [0,5184 a; 0]

$\Sigma Fx = T_1$ = 0,5184a

$\Sigma Fy =$ N -5,184 = 0 // N = 5,184

M2

$\Sigma\vec{F} = \vec{T_2} + \vec{P} = m\vec{a}$

[T_2 cos 90; T_2 sen 90] + [0,705 cos 270; 0,705 sen 270] = 0,0705[0; a]

$[0; T_2] + [0; -0{,}705] = [0; 0{,}0705a]$

$\Sigma\vec{F}_x = 0 = 0$

$\Sigma\vec{F}_y = T_2 - 0{,}705 = 0{,}0705a$