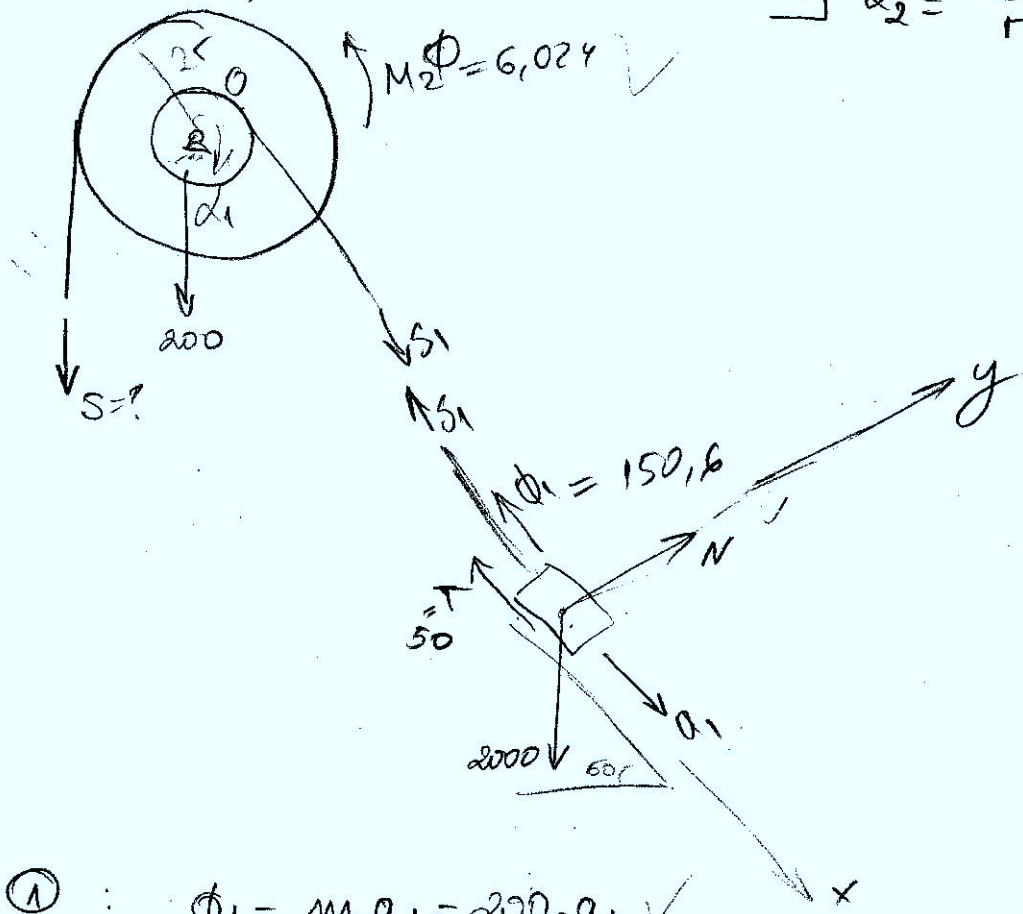


$$a_1 \quad \alpha_2 = \frac{a_1}{r} \quad \checkmark$$



meso ① : $\phi_1 = m_1 \cdot a_1 = 200 \cdot a_1 \quad \checkmark$

meso ② : $M_2 \phi = J_0 \cdot \alpha_2 = m_2 \cdot i_2^2 \cdot \frac{a_1}{r} = 20 \cdot r^2 \cdot 2 \cdot \frac{a_1}{r} = 8 a_1 \quad \checkmark$

to $a_1 = \frac{d^2 x_1}{dt^2} = 0,753$

$\phi_1 = 150,6 \quad \checkmark$
 $M_2 \phi = 8 \cdot 0,753 = 6,024 \quad \checkmark$

$T = \mu \cdot N = 0,05 \cdot 2000 \cdot \cos 60 = 50 \quad \checkmark$

$N = 2000 \cdot \cos 60 \quad \checkmark$

① $\sum F_x = 0 \quad -S_1 - 150,6 - 50 + 2000 \cdot \sin 60 = 0$
 $S_1 = 1531,451 \quad \checkmark$

meso ② : $\sum M_0 = 0$

$S \cdot 2r + 6,024 - 1531,451 \cdot r = 0 \quad (r = 0,2)$

$S = 750,666 \quad \checkmark$