



# 工學系 公務員試驗 專門試驗問題 演習講座

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# 物理

(解) 物を1つ見る。

$$A: ma = R_2 \quad \dots \textcircled{1}$$

$$(N_2 = mg)$$

$$B: 5ma = F - R_2 \quad \dots \textcircled{2}$$

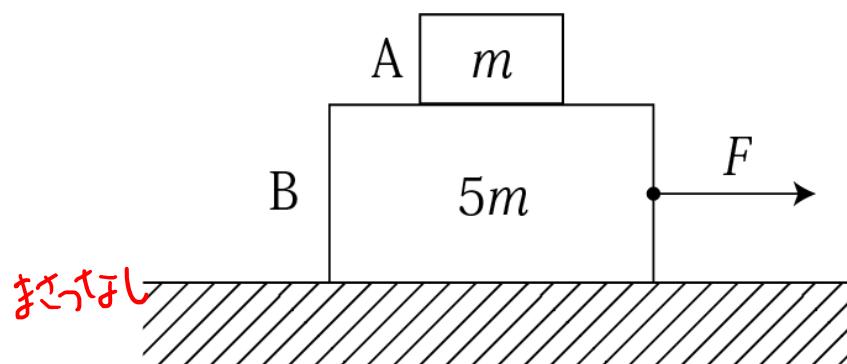
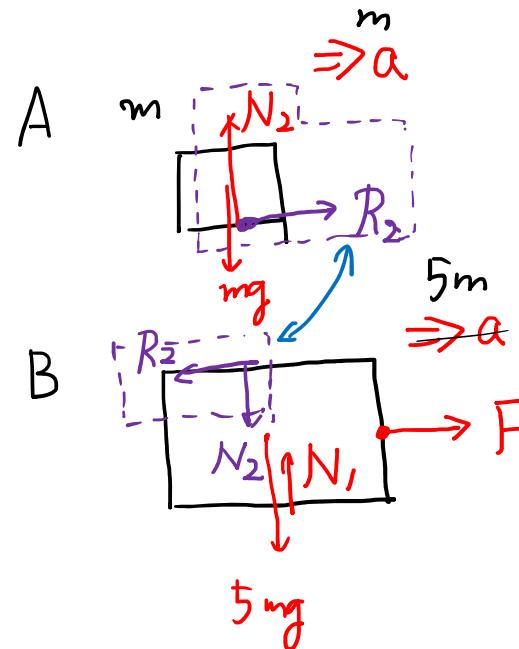
$$N_1 = N_2 + 5mg$$

$$\text{条件} \quad R_2 \leq \mu N_2 = \mu mg$$

$$\textcircled{1} \Rightarrow a = \mu g$$

$$\textcircled{2} \Rightarrow 5m\mu g = F - \mu mg$$

$$\therefore F = 6\mu mg //$$

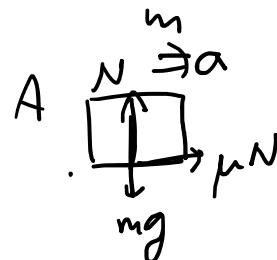


(解2) 全体を1つに

$$6ma = F \quad \therefore a = \frac{F}{6m}$$

A:  $ma = \mu mg \Rightarrow \frac{F}{6} = \mu g$

$$\therefore F = 6\mu mg //$$



$$\begin{matrix} 6m \\ \Rightarrow a \end{matrix}$$

