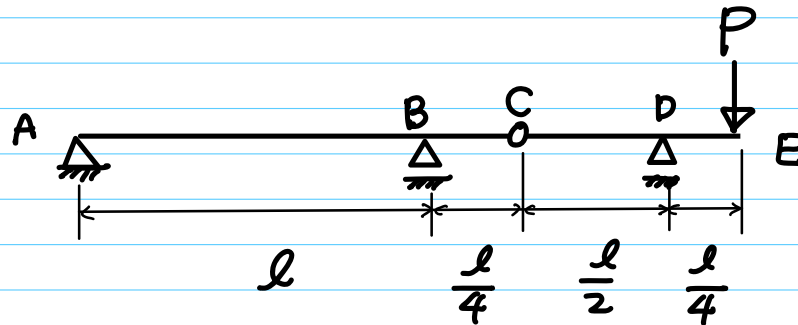
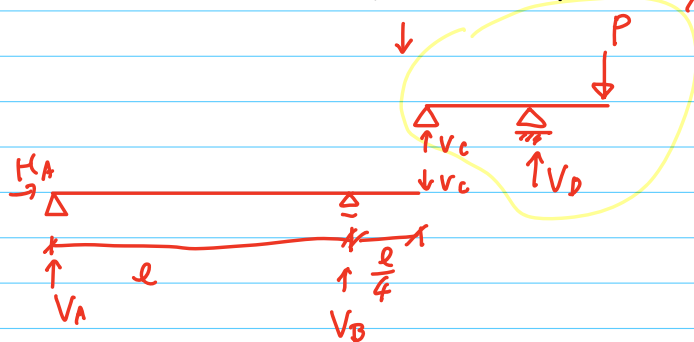
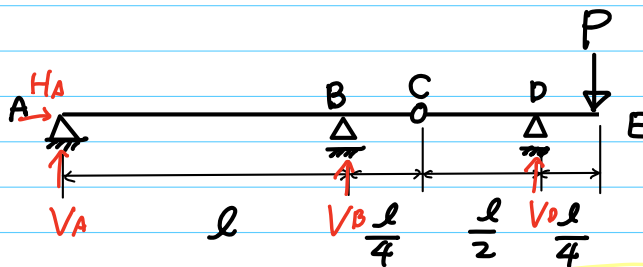


小テスト 第10回



解答

1) 反力を求める



$$\uparrow \Sigma: V_C + V_D - P = 0$$

$$\downarrow \Sigma M_C: V_D \cdot \frac{l}{2} - P \cdot \left(\frac{3}{4}l\right) = 0$$

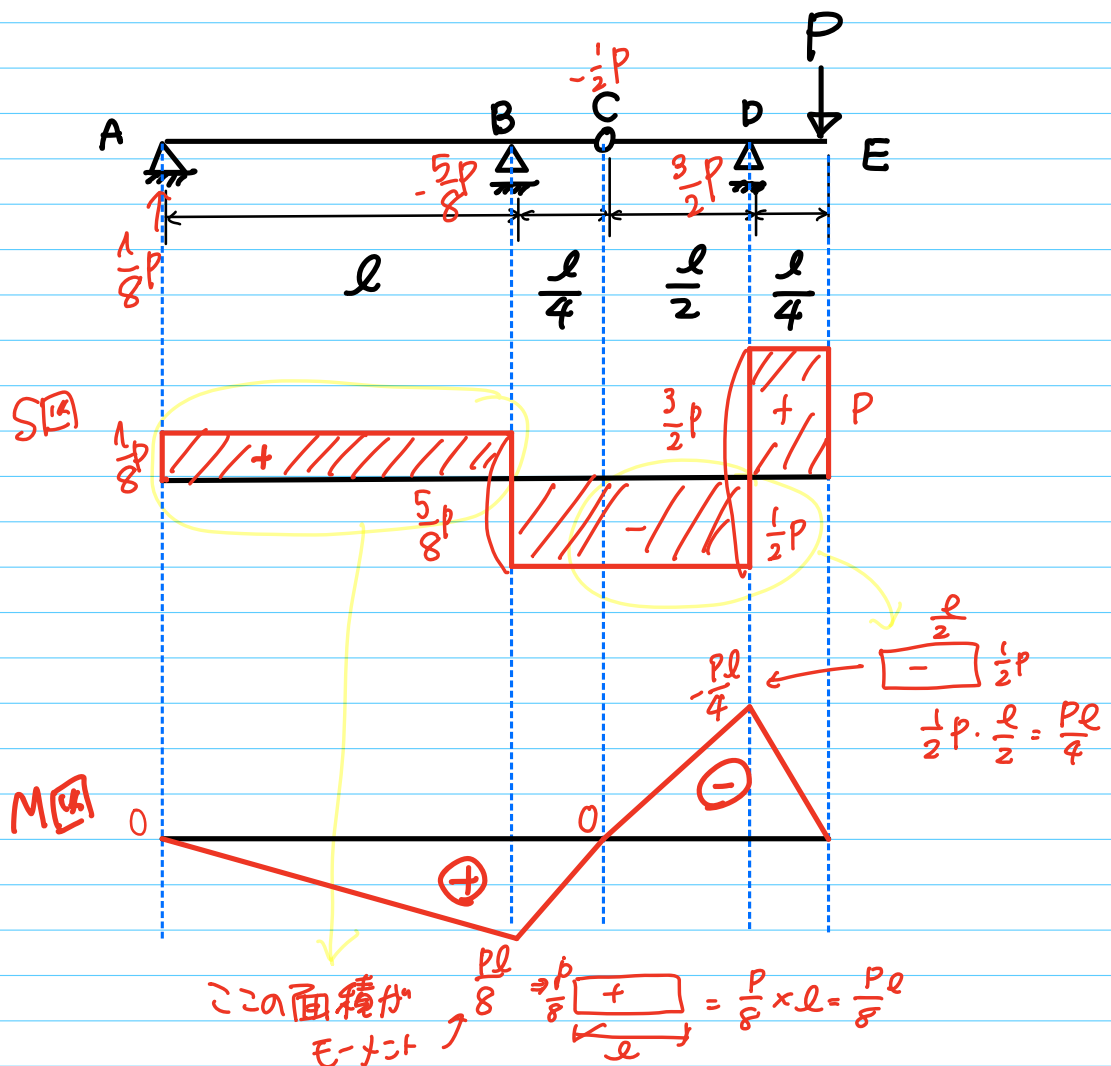
$$V_D = \frac{3Pl}{4} \cdot \frac{1}{\frac{l}{2}}$$

$$V_D = \frac{3}{2}P$$

$$V_C = P - V_D$$

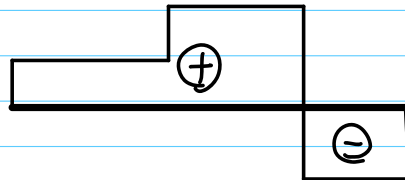
$$= P - \frac{3}{2}P = -\frac{1}{2}P$$

$$\begin{aligned}
 & \vec{\Sigma}: H_A = 0 \\
 & \uparrow \Sigma: V_A + V_B - \left(-\frac{1}{2}P\right) = 0 \\
 & \downarrow M_A: V_B \cdot l - \left(-\frac{1}{2}P\right) \cdot \left(l + \frac{5l}{4}\right) = 0 \\
 & V_B l = -\frac{5Pl}{8} \quad V_B = -\frac{5}{8}P \\
 & V_A = -\frac{1}{2}P - V_B = -\frac{1}{2}P - \left(-\frac{5}{8}P\right) = \frac{1}{8}P
 \end{aligned}$$

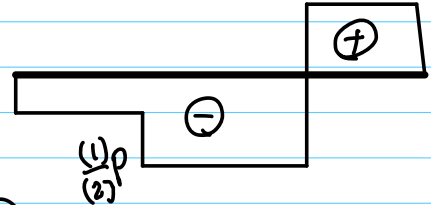


S'図(上が正)の概形を選ひなさい。

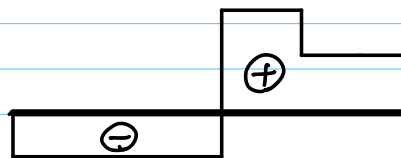
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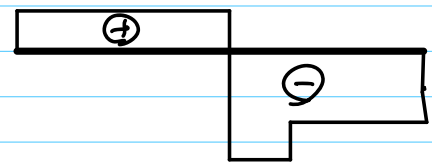
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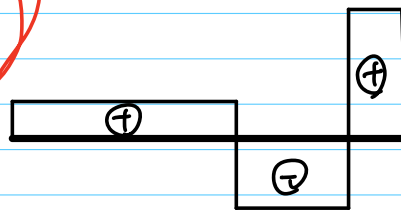
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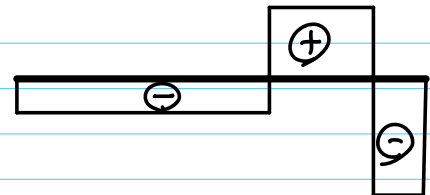
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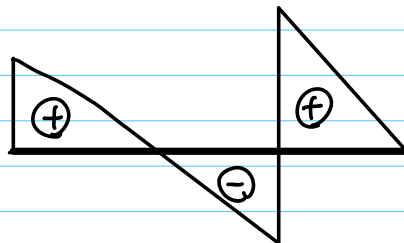
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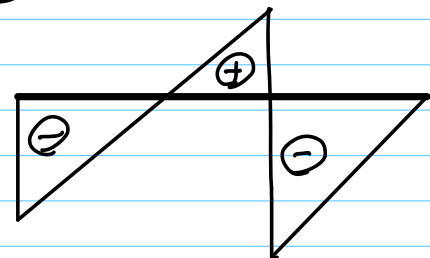
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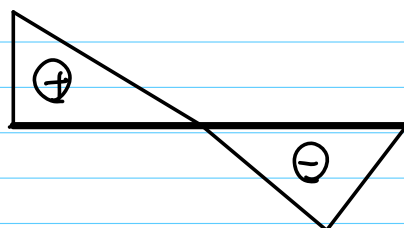
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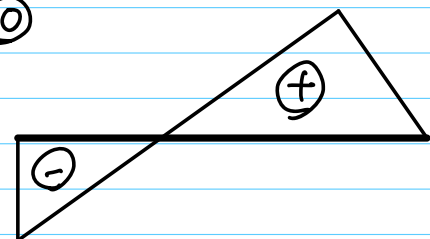
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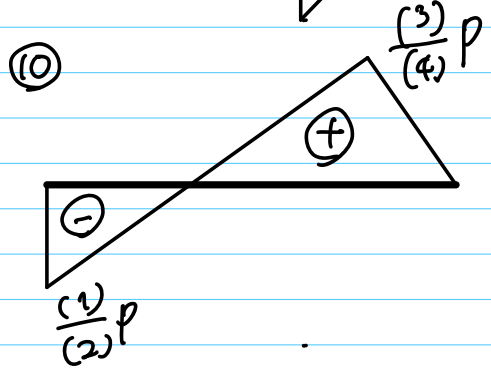
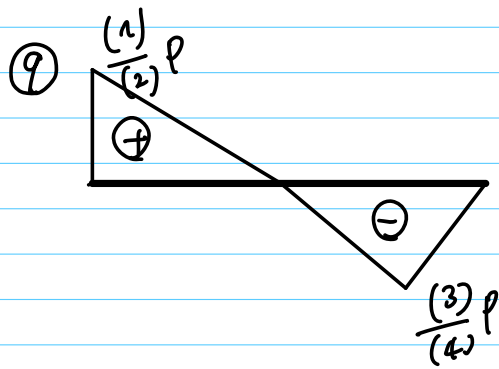
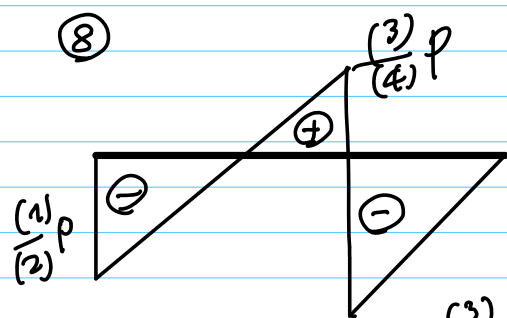
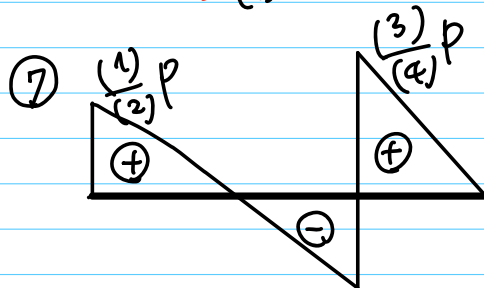
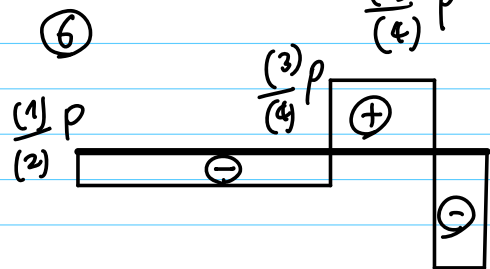
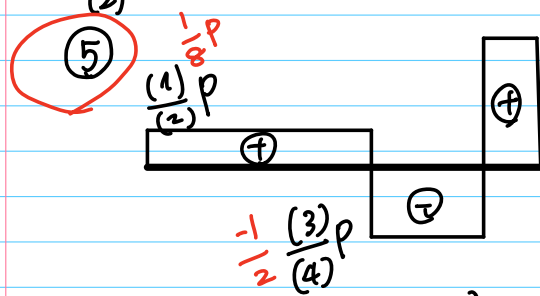
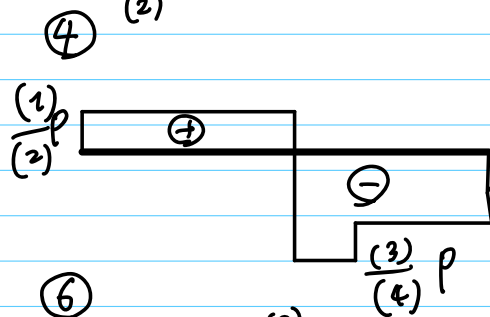
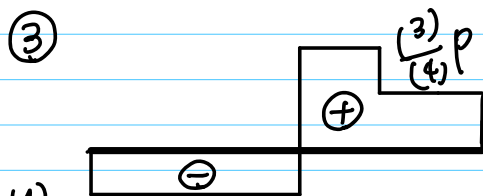
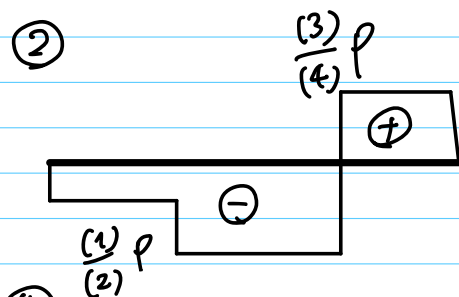
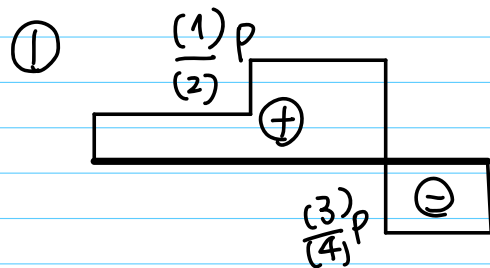


⑨



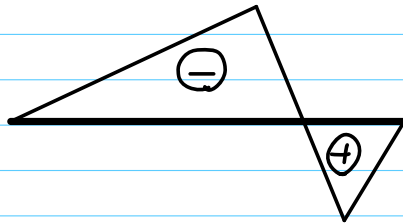
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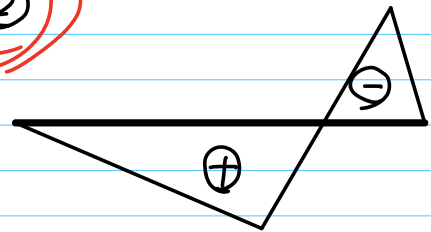


M図(下が正)の概形を選びなさい。

①



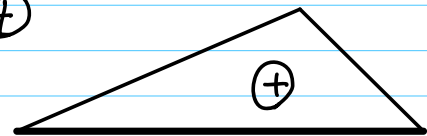
②



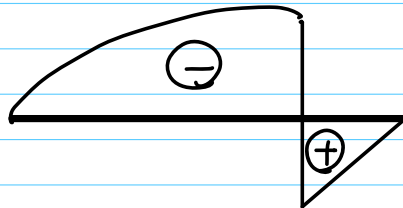
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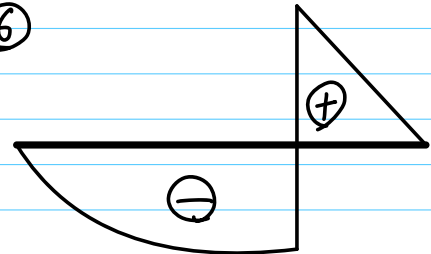
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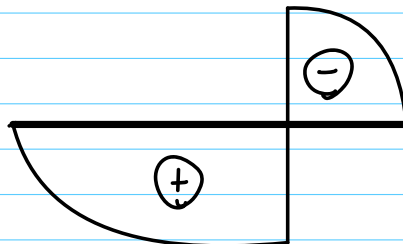
⑤



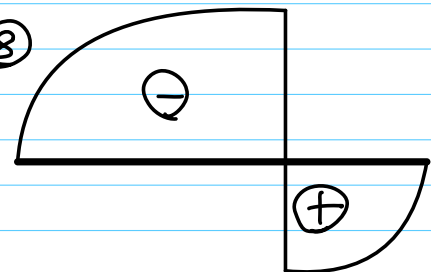
⑥



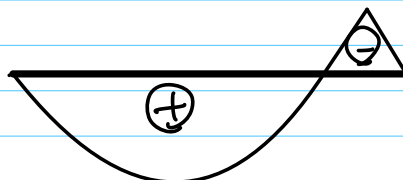
⑦



⑧



⑨



⑩

