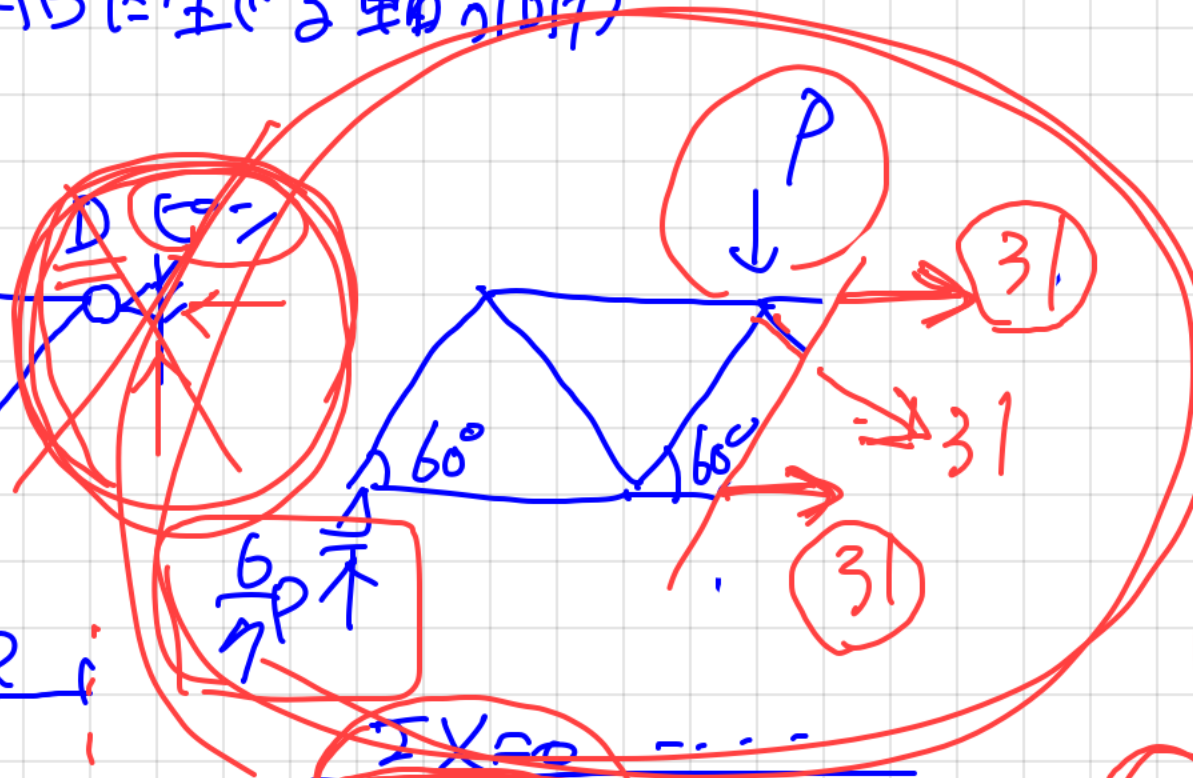
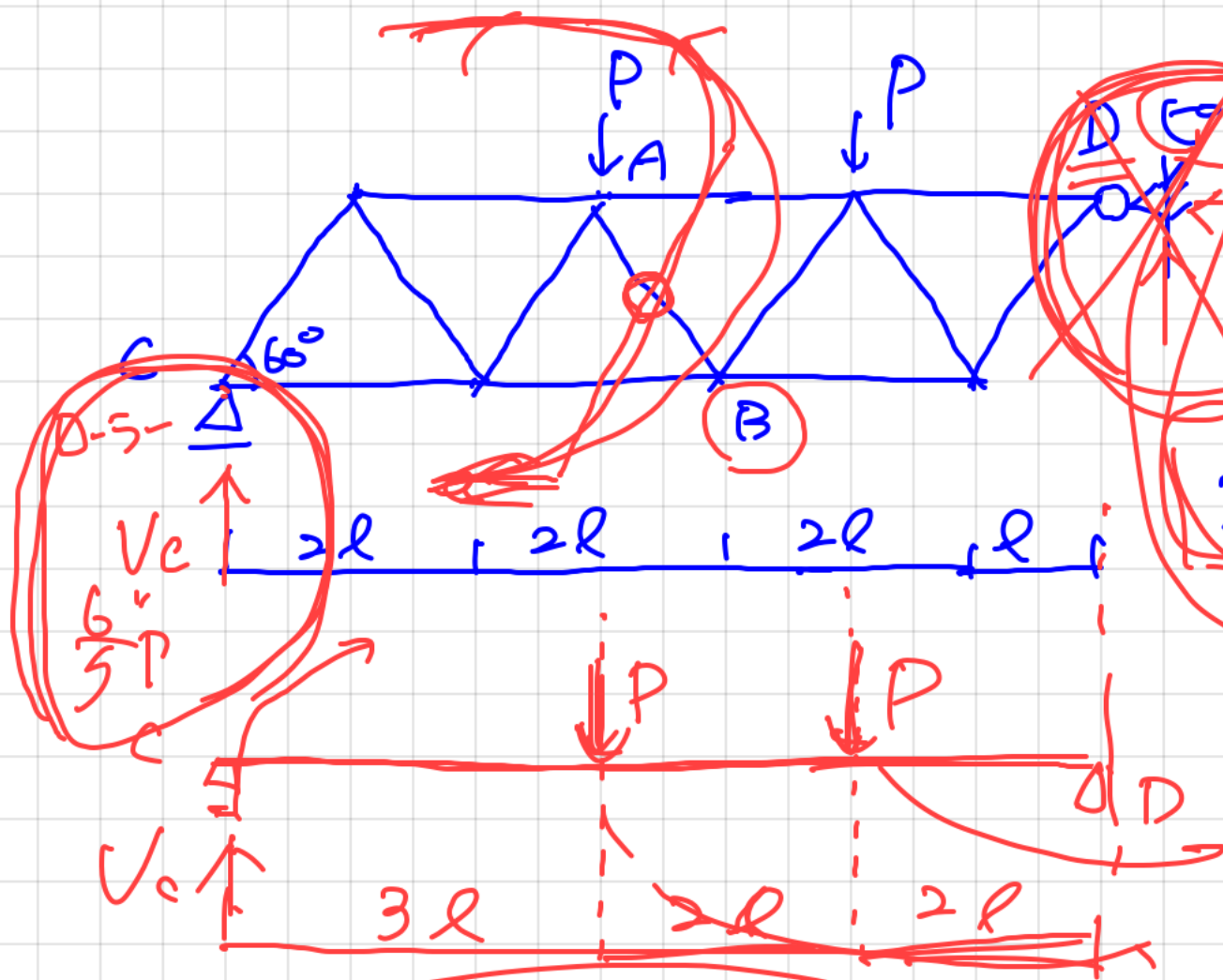
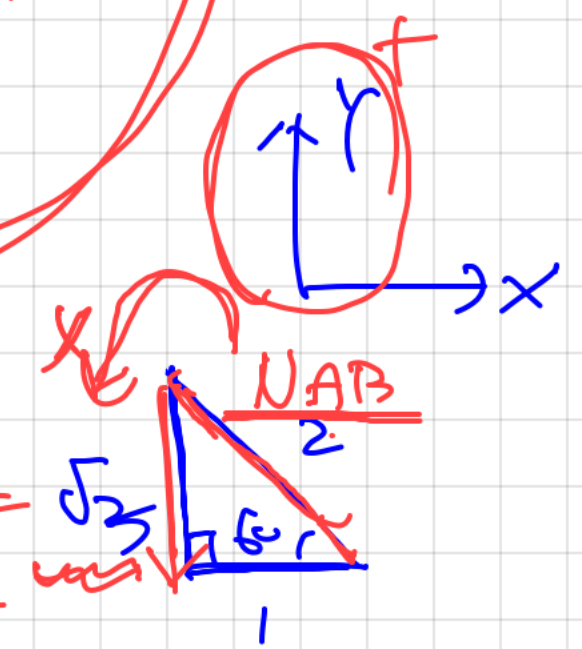


合和1年NOC

部材ABに生じる軸方向力



$\sum X = 0$
 $\sum Y = 0$
 $\sum M = 0$
 $\sum T = 0$



$\sum M_D = 0$
 $V_C \times 7l - P \times 4l - P \times 2l = 0$
 $V_C \times 7l - 6P \times 2l = 0$
 $7V_C = 6P \quad \therefore V_C = \frac{6}{7}P$

$-\frac{\sqrt{3}}{2} N_{AB} + \frac{6}{7}P - P = 0$
 $-\frac{\sqrt{3}}{2} N_{AB} - \frac{1}{7}P = 0$
 $\frac{\sqrt{3}}{2} N_{AB} = -\frac{1}{7}P$
 $\left(\frac{\sqrt{3}}{2}\right) N_{AB} = -\frac{1}{7}P$

$N_{AB} = \ominus \frac{2}{2\sqrt{3}} P$
 $N_{AB} = \ominus \frac{1}{\sqrt{3}} P$