

Реакции в опорах:

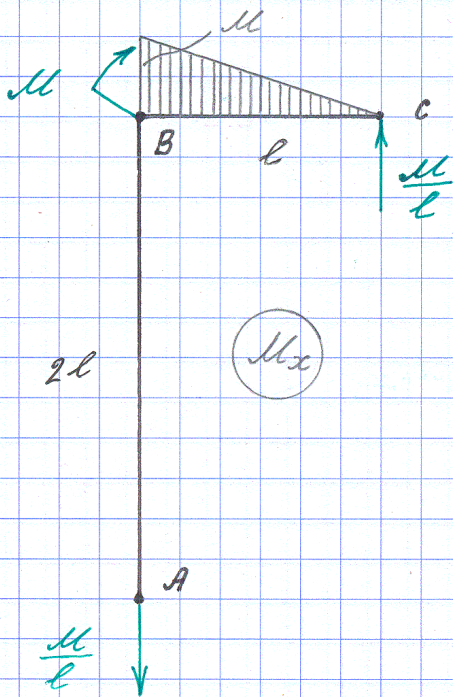
$$\sum F_z = 0 = -Z_A \Rightarrow Z_A = 0$$

$$\sum M_A = 0 = -M + Y_C \cdot l \Rightarrow Y_C = \frac{M}{l}$$

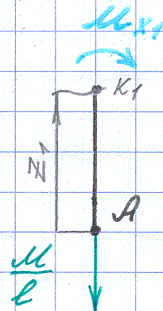
$$\sum M_C = 0 = -M - Y_A \cdot l \Rightarrow Y_A = -\frac{M}{l}$$

Резы

Силевая схема:



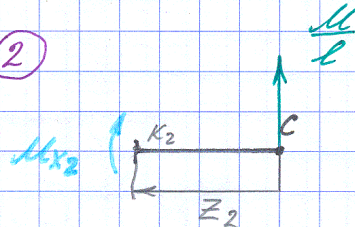
1



$$\sum M_{K1} = 0 = -M_{x1}$$

$$M_{x1} = 0$$

2



$$\sum M_{K2} = 0 = -M_{x2} + \frac{M}{l} \cdot z_2$$

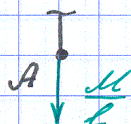
$$M_{x2} = M \frac{z_2}{l}$$

$$z_2 = 0: M_{x2} = 0$$

$$z_2 = l: M_{x2} = M$$

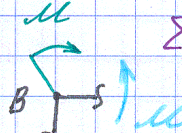
Равновесие узлов:

A



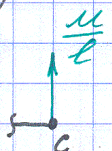
$$\sum M_A = 0$$

B



$$\sum M_B = M - M = 0$$

C



$$\sum M_C = 0$$