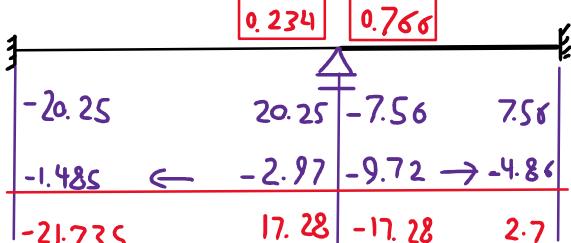
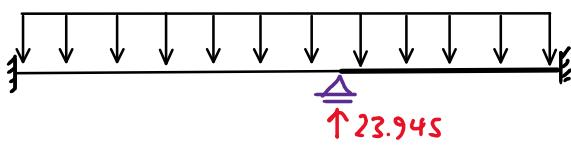
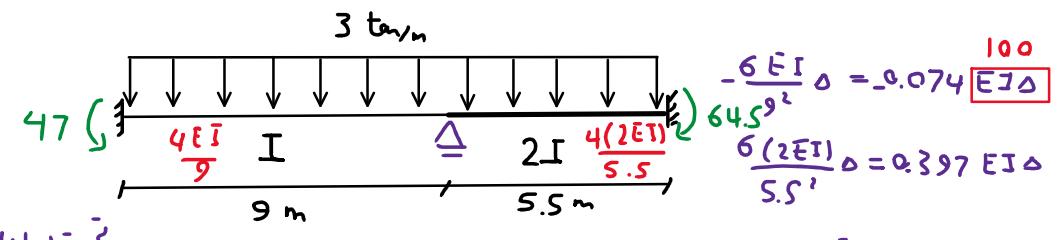


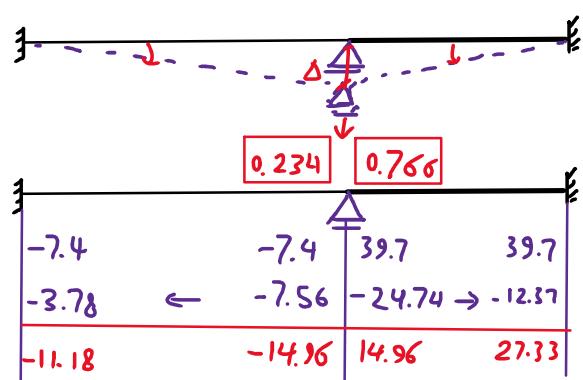
مثال: لنگرها را انتقالی اعضا را بدست آورید.

$$\frac{3 \times 9^2}{12} = 20.25 \text{ t.m}$$

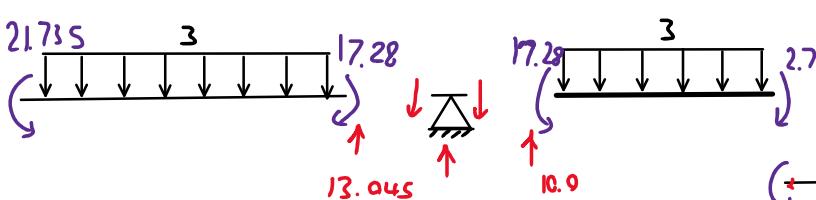
$$\frac{3 \times 5.5^2}{12} = 7.56 \text{ t.m}$$



جواب مبار



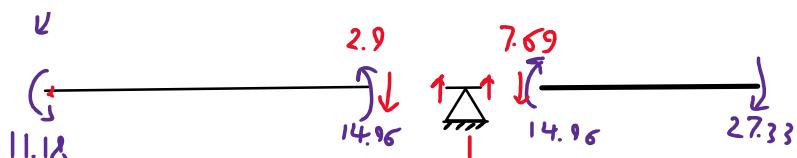
$-4.7 \quad -16.5 \quad 16.5 \quad 64.5$



$17.28 + 2.26 \times -14.96$

$2.9 \quad 10.9 \quad 13.045 \quad 7.69$

۴



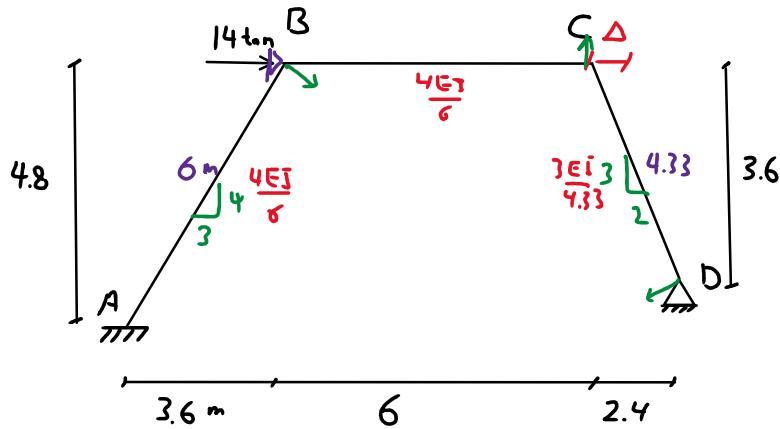
$$\frac{23.945}{10.59} = 2.26$$

ضریب مفاس برای
سازه ت ۵

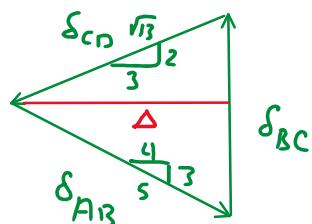
$$EI\Delta = 226$$

تاب نیبدار

مثال: تحریم انتقامی اعصار ب دست آورده.



درجه آزاد



$$\left\{ \begin{array}{l} FEM_{AB} = FEM_{BA} = -\frac{5EI}{6^2} \times 1.25\Delta = -0.208 \frac{1000}{EI\Delta} \\ FEM_{BC} = FEM_{CB} = \frac{6EI}{6^2} \times 1.417\Delta = 0.236EI\Delta \end{array} \right.$$

$$\left\{ \begin{array}{l} FEM_{CD} = -\frac{3EI}{4.33^2} \times 1.202\Delta = -0.192EI\Delta \end{array} \right.$$

$$\left\{ \begin{array}{l} \delta_{AB} = \frac{5}{4}\Delta = 1.25\Delta \\ \delta_{BC} = \frac{3}{4}\Delta + \frac{2}{3}\Delta = 1.417\Delta \\ \delta_{CD} = \frac{\sqrt{13}}{3}\Delta = 1.202\Delta \end{array} \right.$$

