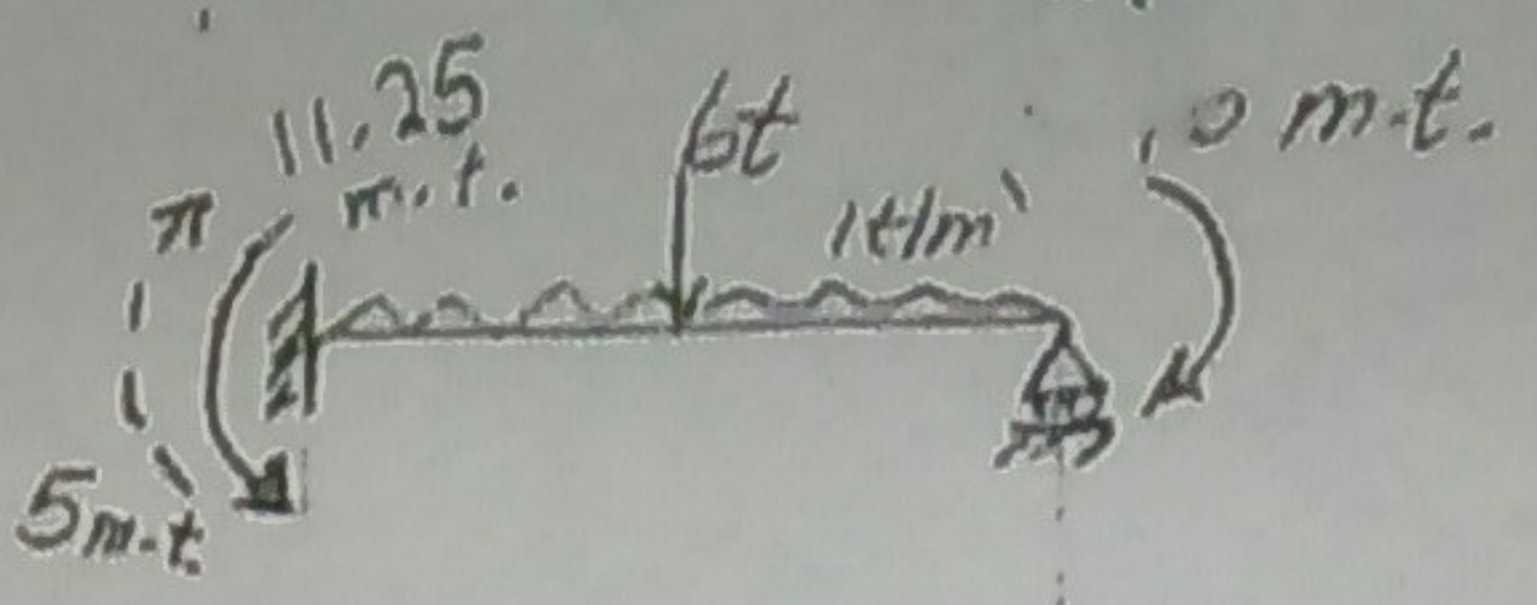
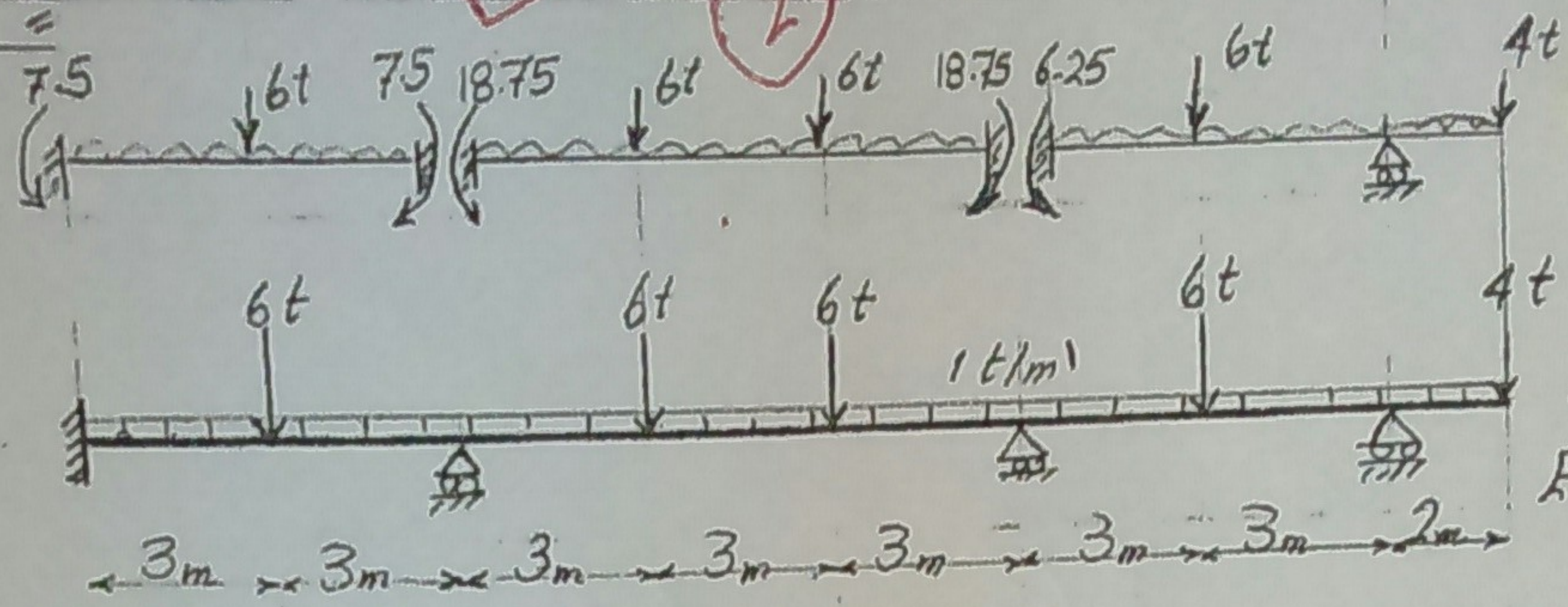


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Example 5



Problem  
FI Constr

$0.667 = \frac{4}{6} \frac{4}{9} = 0.444$      $0.444 = \frac{4}{6} \frac{3}{6} = 0.5$     (2)  $S \times FI$

$\frac{3}{9} \times [0.6 \ 0.4] = \frac{2}{5}$      $\frac{8}{17} = [0.47 \ 0.53] = \frac{9}{17}$     (2)  $K$

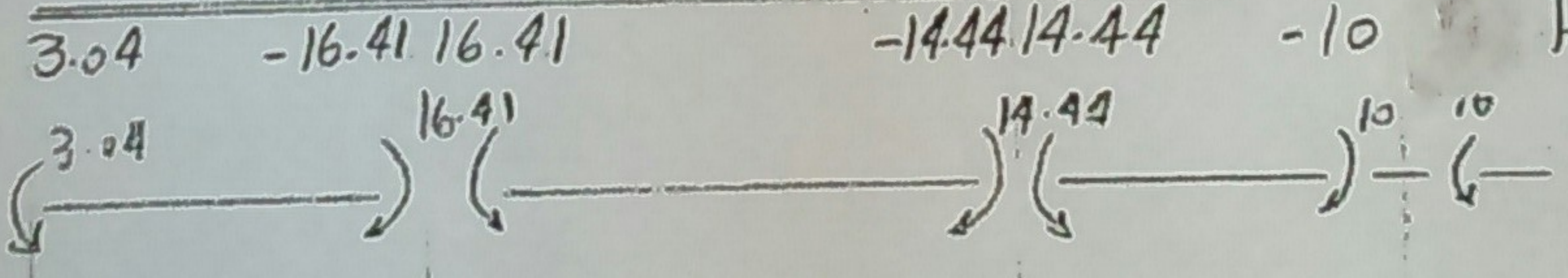
7.5	-7.5	18.75	-18.75	6.25	-10
0	-6.75	-4.5	5.87	6.63	0
-3.38	0	2.94	-2.25	0	0
0	-1.76	-1.18	1.06	1.19	0
-0.88	0	0.53	-0.59	0	0
0	-0.32	-0.21	0.28	0.31	0
-0.16	0	0.14	-0.11	0	0
0	-0.08	-0.06	0.05	0.06	0
-0.04	0	0	0	0	0

F.E.M.  
DIS.  
C.O.M.  
DIS  
C.O.M.  
DIS.  
C.O.M.  
DIS.

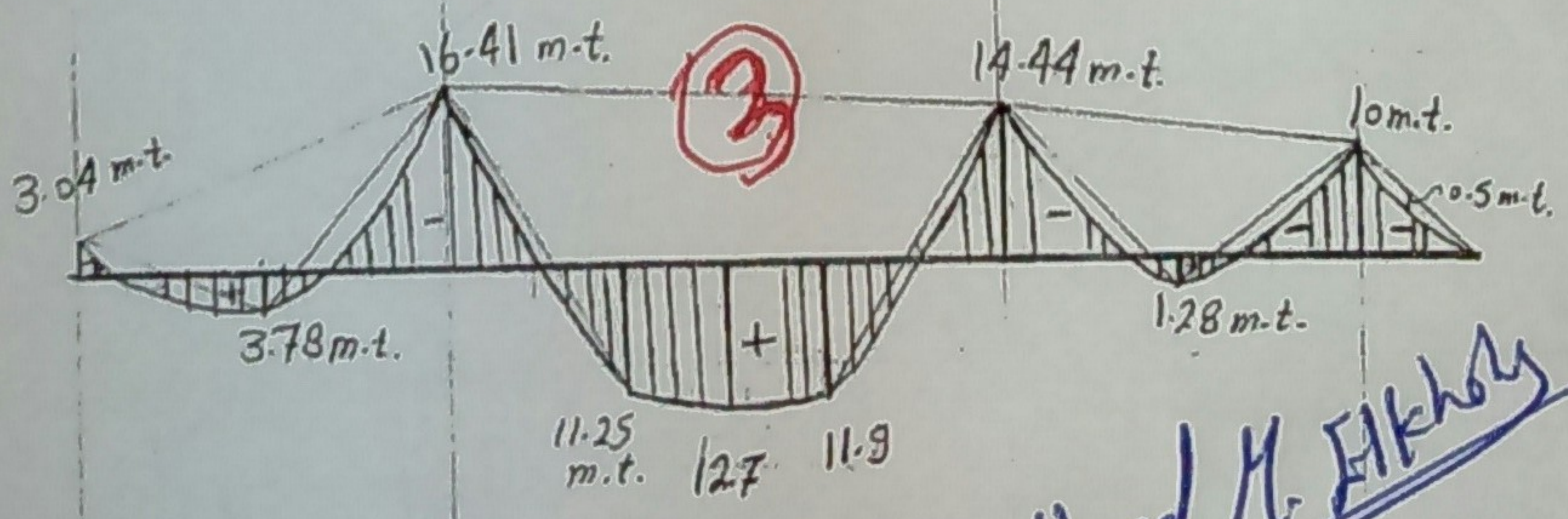
$\frac{0.14}{12.5} = 1.12\% > 1\%$

$\frac{0.02}{12.5} = 0.16\% < 1\%$   
∴ stop

due to fixed support



Final M



B.M.

Ahmed H. Elkholi