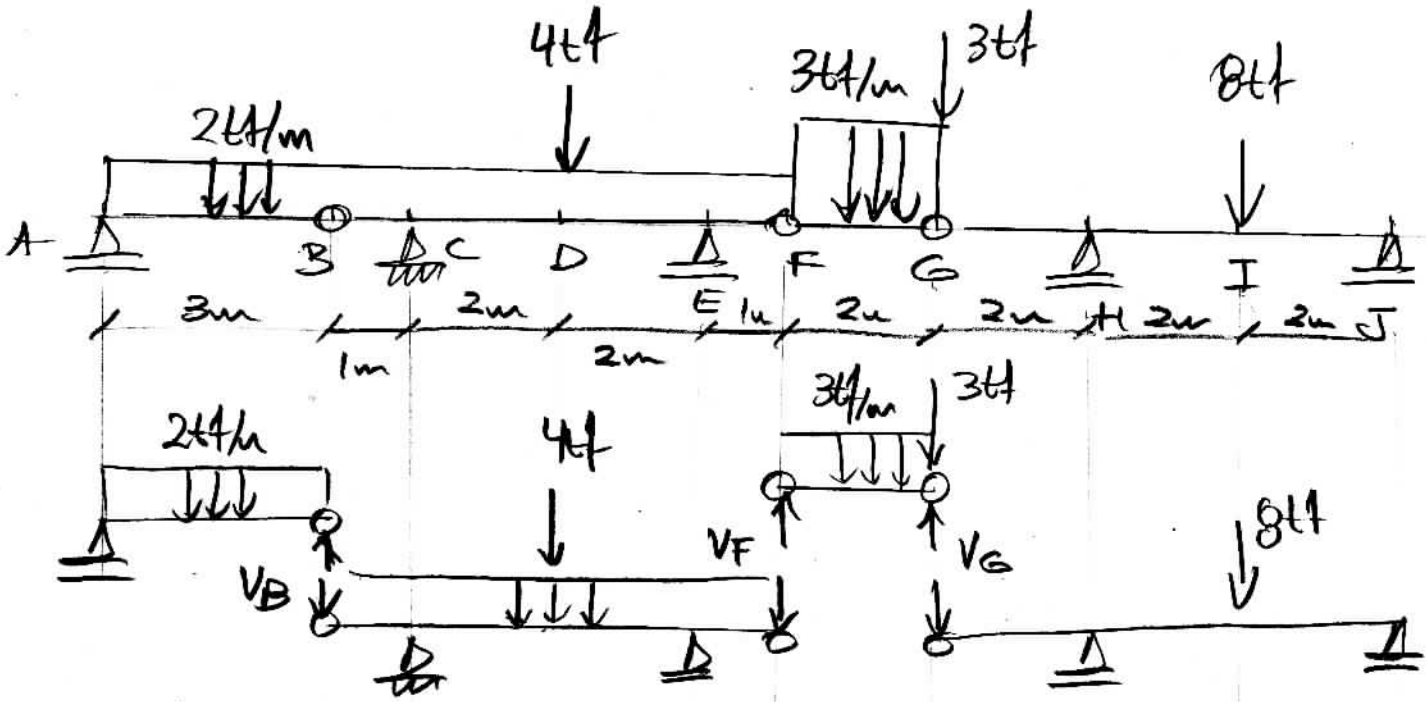
TE1-3.13



ESQUEMA FUNCIONAL

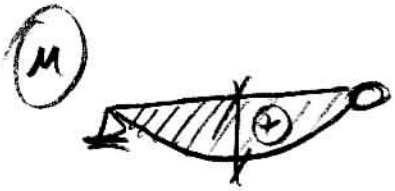
* AS VIGAS $\overline{AB}$ E $\overline{FG}$ SÃO DEPENDENTES E SEUS DIAGRAMAS INDEPENDEM DAS DEMAIS

$V_A = V_B = 2tf/m \times 3m/2 = 3tf$ ↑

$V_F = 3tf/m \times 2m/2 = 3tf$ ↑

$V_G = 3tf + 3tf = 6tf$ ↑

TRECHO AB



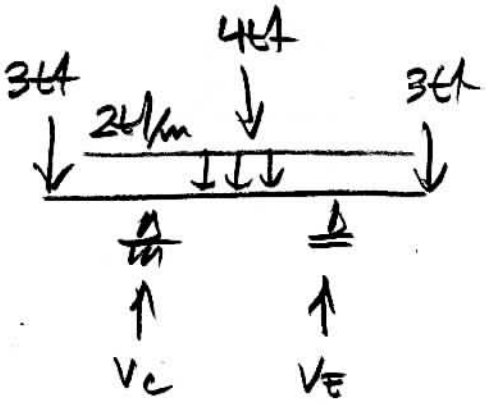
$qL^2/8 = 2 \times 3^2/8 = \underline{2,25\ tf\,m}$

TRECHO FG



$qL^2/8 = 3 \times 2^2/8 = \underline{1,5\ tf\,m}$

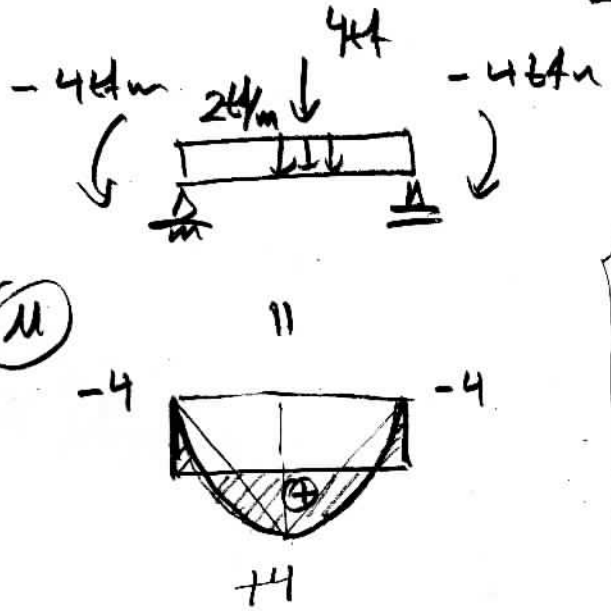
TRECHO BCDEF (VIGA SIMÉTRICA EM GEOMETRIA E CARREGAMENTO)

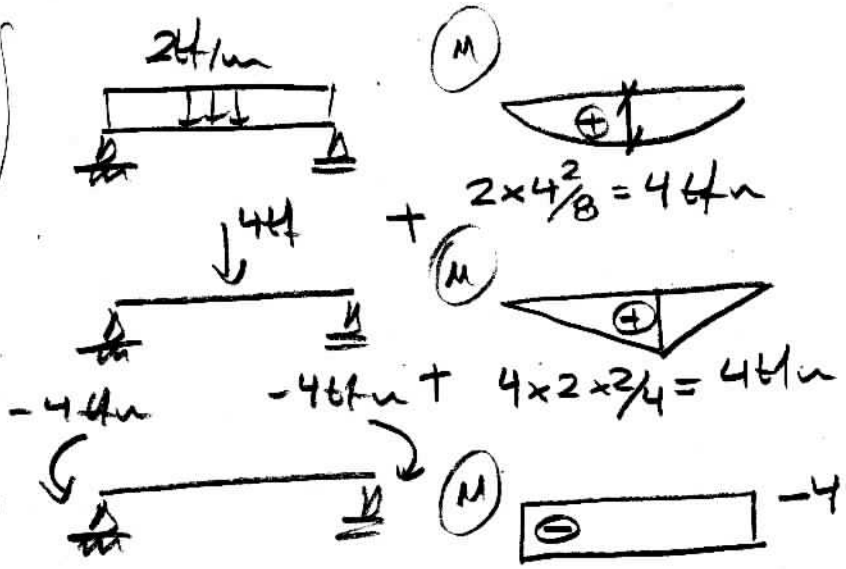


$V_C = V_E = (3+4+3+2\times6)\,1/2$

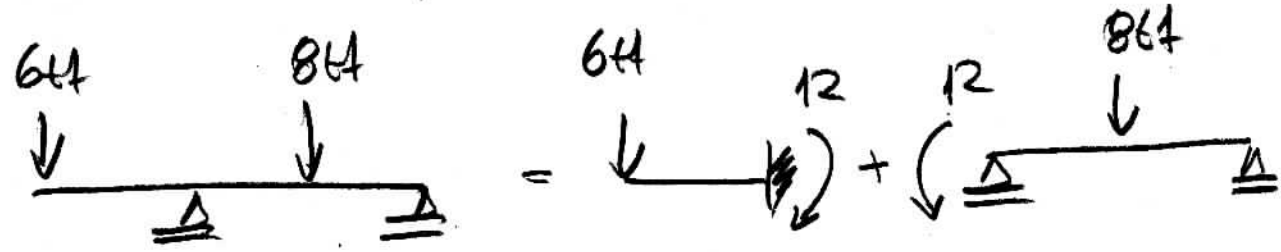
$V_C = V_E = 11tf$

$M_C = M_E = -3\times1 - 2\times1^2/2 = -4\,tfm$

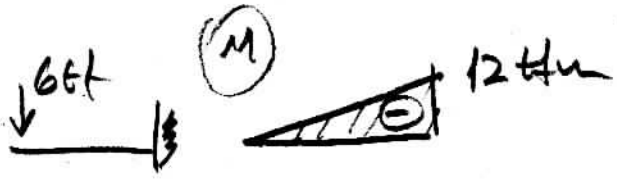




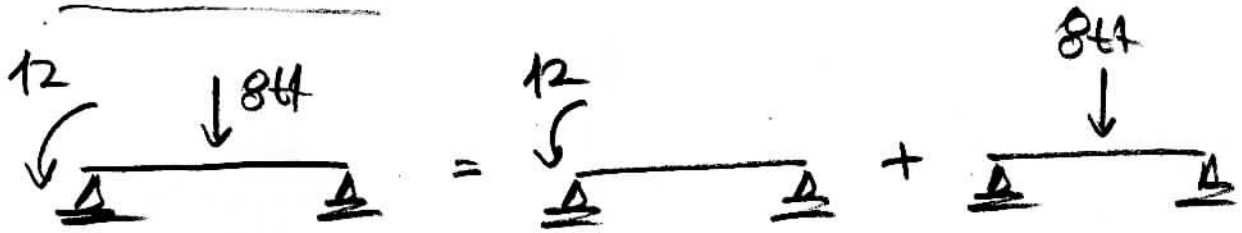
TRECHO GHIJ



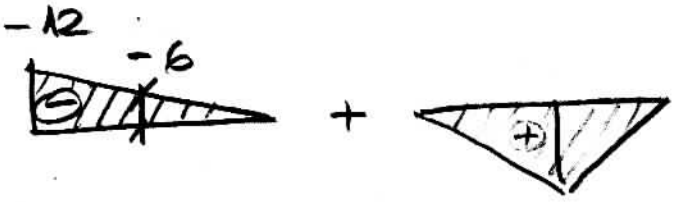
- TRECHO GH:



• TRECHO HIJ.

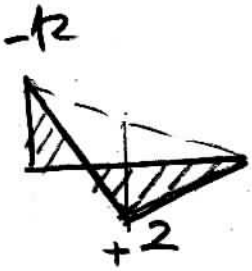


M



// $8 \times 2 \times 2/4 = 8\,t.m$

M



M FINAL

