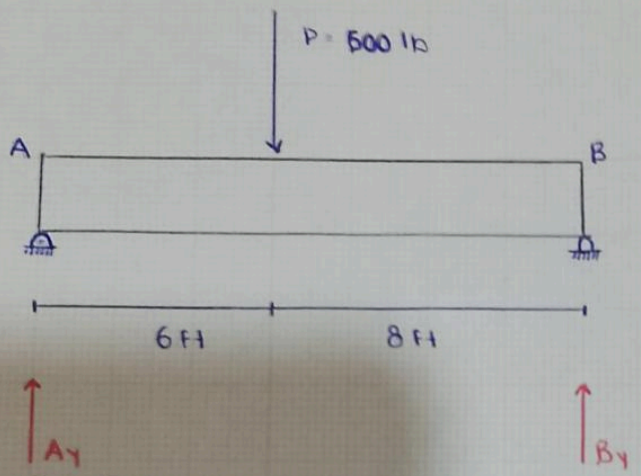
$\Sigma M_A = 0$

PASO 1

$500\ lb\ (6ft) + 14ft = 0$

$3000\ lb + 14ft = 0$

$B_y = \frac{3000}{14ft} = 214.28\ lb$



PASO 2

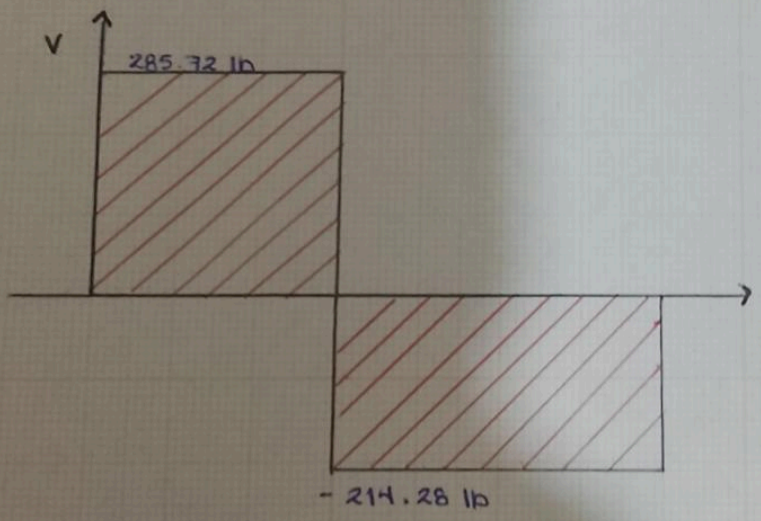
$-500\ lb + 214.28$

$A_y = 214.28\ lb$

$A_y = 285.72\ lb$

$B_y = 214.28\ lb$

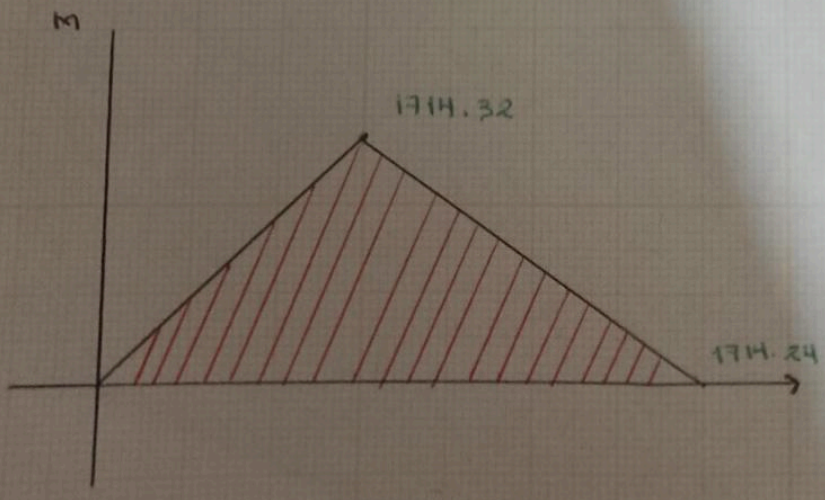
$A_y = 285.72\ lb$

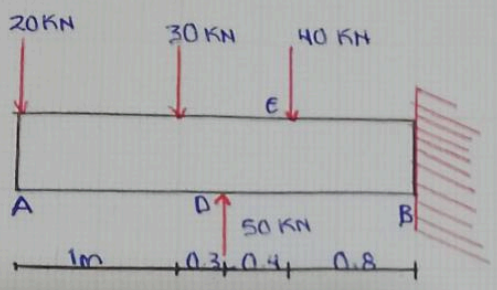


PASO 3

$285.72\ lb \times 6ft = 1,714.32$

$214.28\ lb \times 8ft = 1714.24$

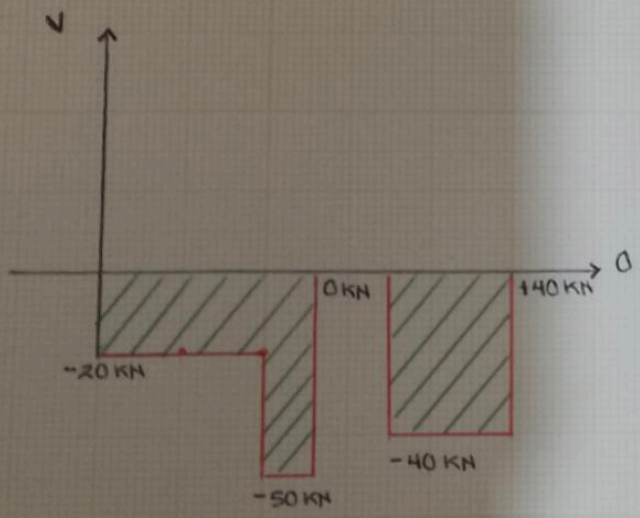




$-20\ KN - 30\ KN = -50\ KN$

$-50\ KN + 50\ KN = 0\ KN$

$0 - 40\ KN = -40\ KN$



$50 \times 0.3 = -15 - 20\ KN = -35\ KN$

$0.0\ KN \times 0.4m = 0\ KN - 35\ KN = -35\ KN$

$40 \times 0.8 = -32\ KN - 35\ KN = 67\ KN$