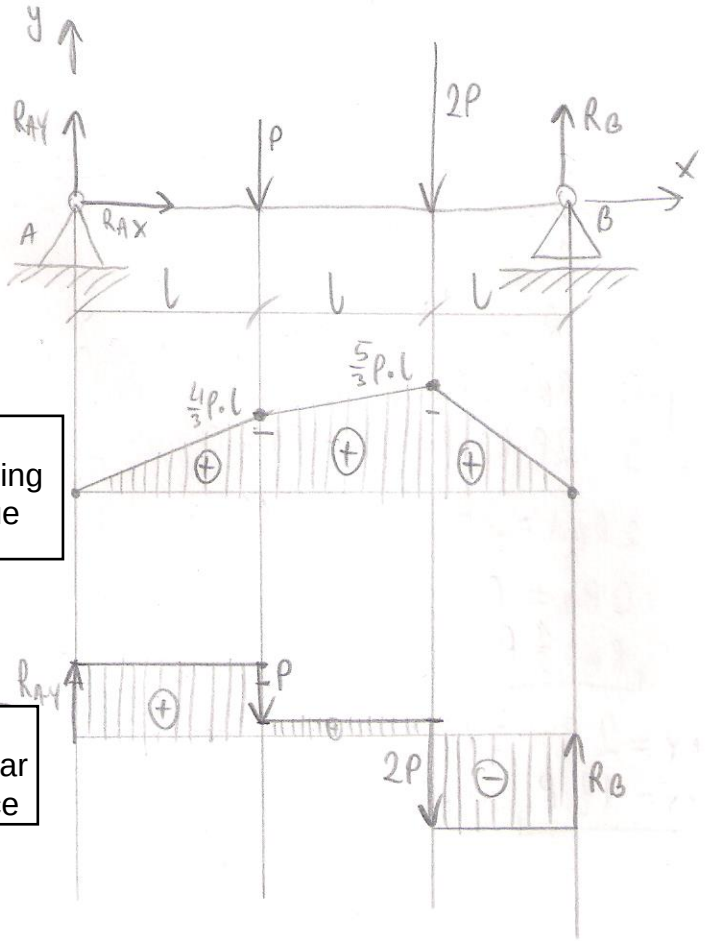

$\Sigma F_{ix}=0 \quad R_{AX}=0$

$\Sigma F_{iy}=0 \quad R_{AY}-P-2P+R_B=0$

$\Sigma T_{iA}=0 \quad P\cdot l+2P2l-R_B\cdot 3l=0$

$3R_B\cdot l=5P\cdot l \;/:l$

$3R_B=5P \;/:3$

$R_B=\frac{5}{3}P$

$R_{AY}=3P-\frac{5}{3}P$

$R_{AY}=\frac{4}{3}P$

$0<x<l$

$F_s=R_{AY}$

$T_b=R_{AY}\cdot x$

for $x=0$

$T_b=0$

for $x=l$

$T_b=\frac{4}{3}P\cdot l$

$x=0 \;\}\; T=\frac{4}{3}P$
$x=l \;\}$

$l<x<2l$

$F_s=R_{AY}-P$

$T_b=R_{AY}\cdot x-P\cdot(x-l)$

for $x=l$

$T_b=\frac{4}{3}P\cdot l$

for $x=2l$

$T_b=\frac{4}{3}P\cdot 2l-P\cdot l$

$T_b=\frac{8}{3}P\cdot l-P\cdot l$

$T_b=\frac{5}{3}P\cdot l$

$x=l \;\}\; F_s=\frac{4}{3}P-P$
$x=2l \;\}$

$F_s=\frac{1}{3}P$

$2l<x<3l$

$F_s=R_{AY}-P-2P$

$T_b=R_{AY}\cdot x-P\cdot(x-l)-2P\cdot(x-2l)$

for $x=2l$

$T_b=\frac{4}{3}P\cdot 2l-P\cdot l$

$T_b=\frac{5}{3}P\cdot l$

for $x=3l$

$T_b=\frac{4}{3}P\cdot 3l-P\cdot 2l-2P\cdot l$

$T_b=4P\cdot l-4P\cdot l$

$T_b=0$

$x=2l \;\}\; F_s=\frac{4}{3}P-P-2P$
$x=3l \;\}$

$F_s=\frac{4}{3}P-3P$

$F_s=-1\frac{2}{3}P$

$\sigma=\frac{T_{b\_max}}{J_{zc}}\cdot y_{max}\leq k_g$