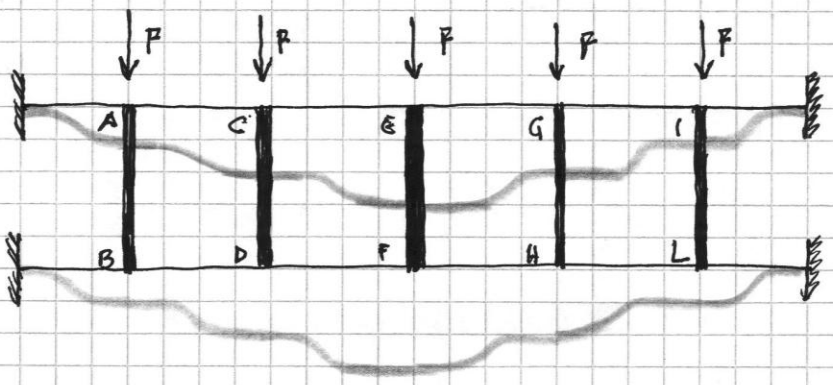
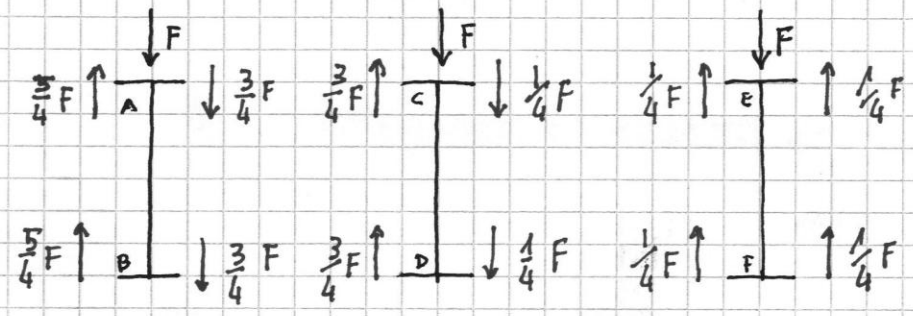
20-5-11

# ESERCIZIO TRAVE VIERENDEL




$\overline{AB}$ : $F + \frac{(24EI\,d_2)}{l^3} - \frac{(24EI\,d_1)}{l^3} = 0$

$\overline{CD}$ : $F + \frac{(24EI\,d_3)}{l^3} - \frac{(24EI\,d_2)}{l^3} = 0$

TRAVI CON LO STESSO MOMENTO D'INERZIA

$\overline{EF}$ : $F - \frac{(48EI\,d_3)}{l^3} = 0 \qquad d_3 = \frac{Fl^3}{48EI}$

$\Rightarrow \quad d_2 = \frac{Fl^3}{16EI} \qquad d_1 = \frac{5Fl^3}{48EI}$

$T_1 = 5\frac{F}{4} \qquad T_2 = 3F/4 \qquad T_3 = F/4$