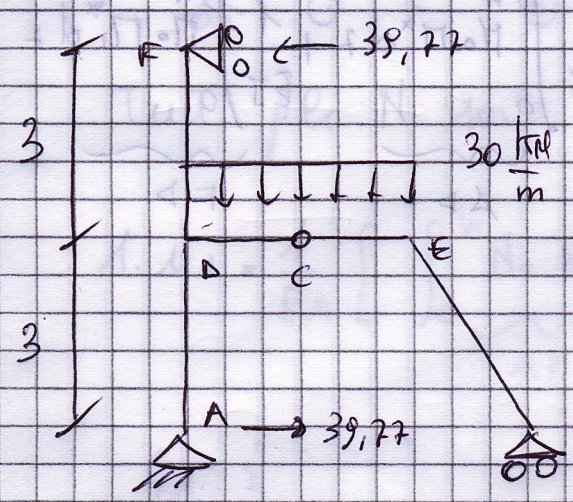
20/12/2011

FILA (A)

Es. 2

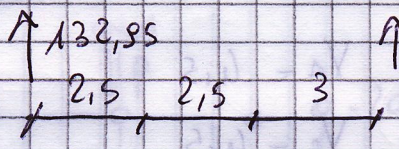


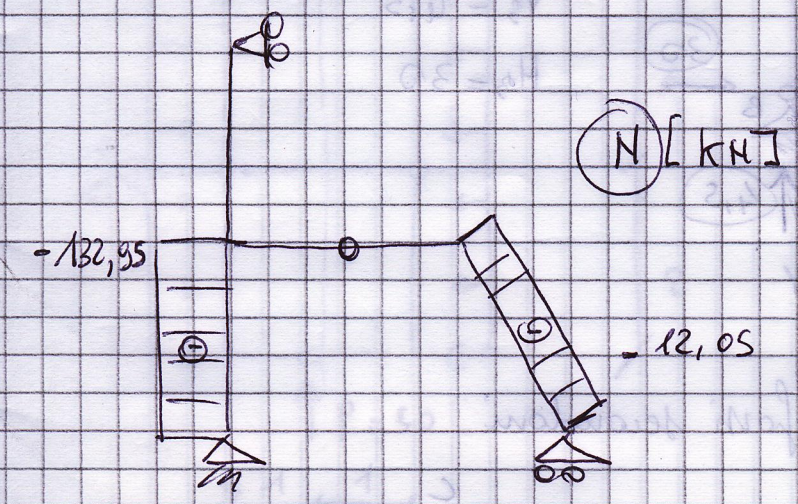
$V_A = 132,95$

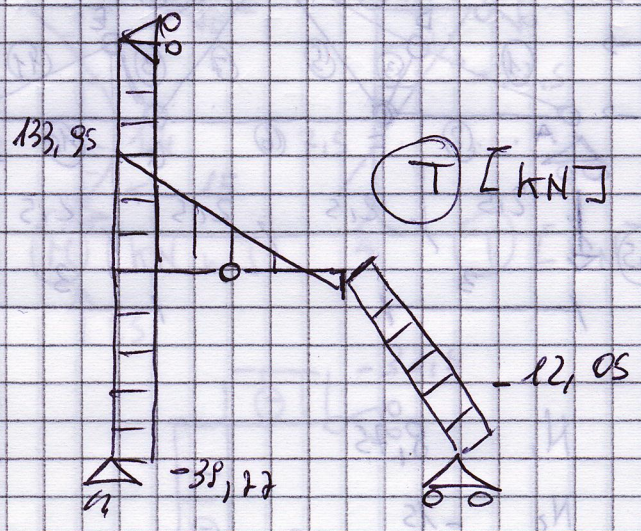
$V_B = 17,05$

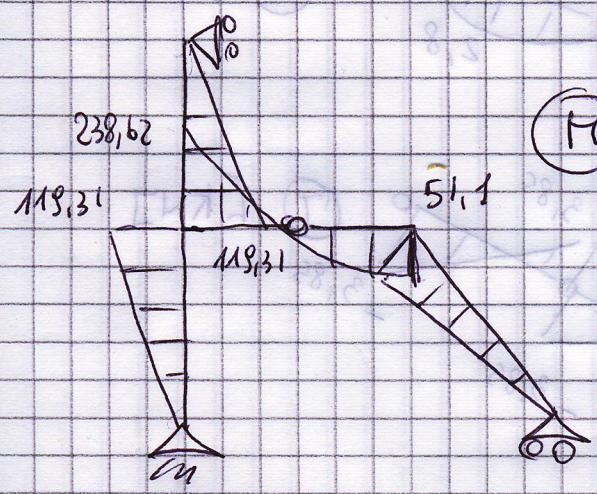
$H_A = 39,77$

$H_F = 39,77$



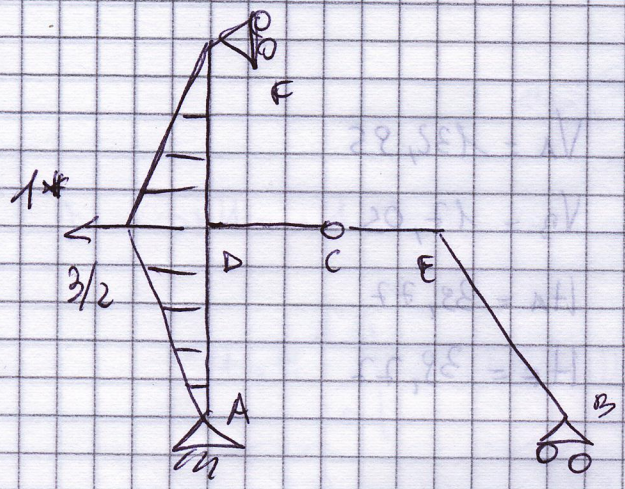






Calcolo dello spostamento M_D

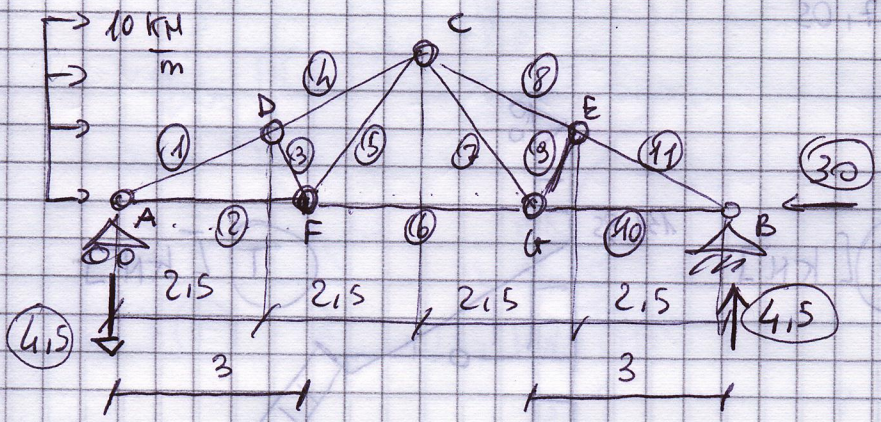
Sistema fittizio



$$1^*\cdot M_D = \frac{1}{EJ}\int_0^h M_0\cdot \Pi_1^* d\tau + \frac{1}{EJ}\int_0^h \Pi_0\cdot \Pi_1^* d\tau$$

$\underbrace{\quad}_{AD}$ $\underbrace{\quad}_{FD}$

Es. 1



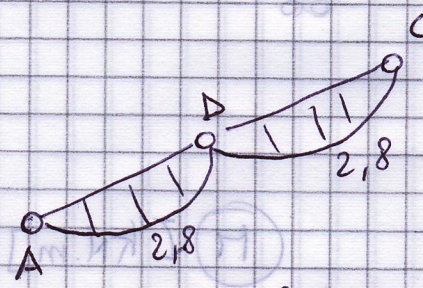
$V_A = 4,5$

$V_B = 4,5$

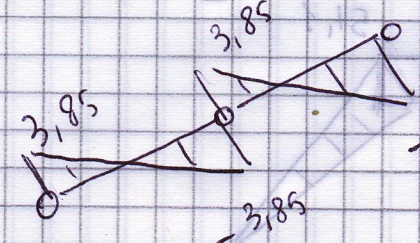
$H_B = 30$

N_1	8,75
N_2	-15
N_3	-7,88
N_4	-5,83
N_5	8,88
N_6	-22,46
N_7	0
N_8	-8,75
N_9	0
N_{10}	-22,5
N_{11}	-8,75

Sforzi secondari

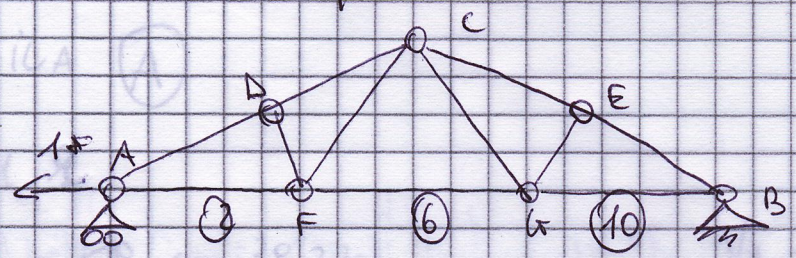


(Π) [KN.m]



(T) [KN]

Calcolo dello spostamento u_A



Tutti gli N sono nulli tranne $N_2 = N_6 = N_{10} = 1$

$$1 \cdot u_A = \frac{1}{EA}\left[\underbrace{\int_0^h N_0 \cdot N_i^* \, dz}_{AF} + \underbrace{\int_0^4 N_0 \cdot N_i^* \, dz}_{FG} + \underbrace{\int_0^h N_0 \cdot N_i^*}_{GB} \right.$$

Es. 3