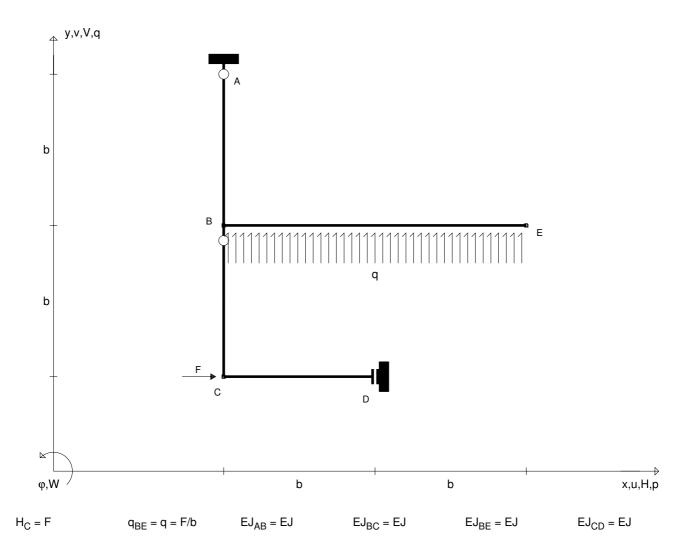
SdC-Civ-140203 ,NOME=20 -IPER-001

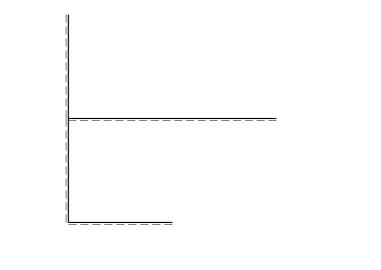


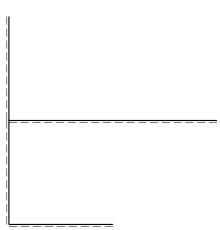
<>

<>

<> Struttura 1: Isostatica Testo 1

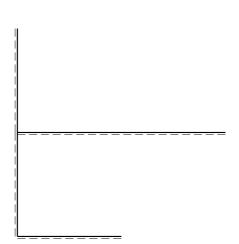
Allievo: -IPER-001







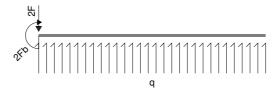






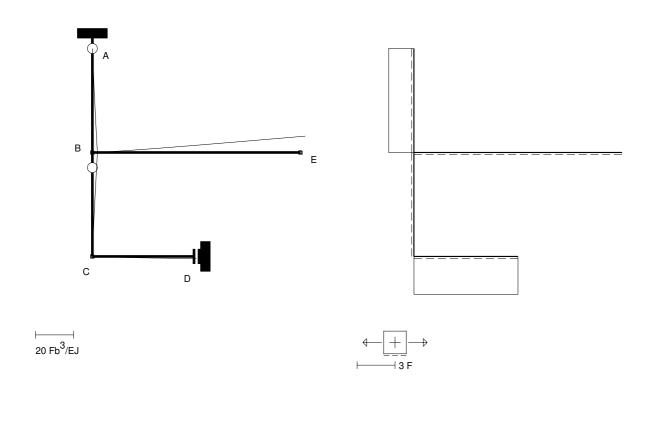
REAZIONI VINCOLARI -IPER-001

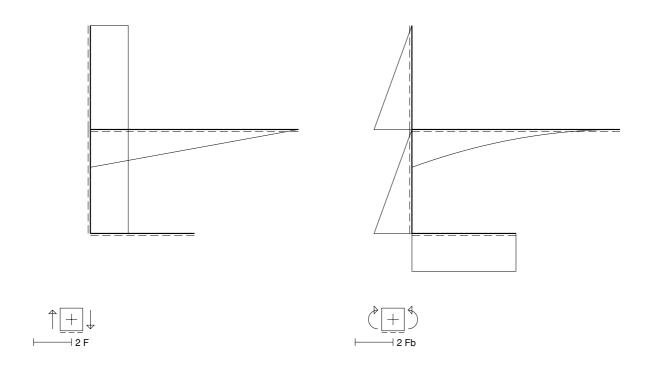












RISULTATI NUMERICI -IPER-001

REAZIONI

 $H_A = 2qb = 2F$ $V_A = -2qb = -2F$ $H_D = -F - 2qb = -3F$ $W_D = 2qb^2 = 2Fb$

$H_{AB} = 2qb = 2F$	$H_{BC} = 2qb = 2F$	$H_{BE} = 0$	$H_{CD} = F + 2qb = 3F$
$V_{AB} = -2qb = -2F$	$V_{BC} = 0$	$V_{BE} = -2qb = -2F$	$V_{CD} = 0$
$W_{AB} = 0$	$W_{BC} = 0$	$W_{BE} = -2qb^2 = -2Fb$	$W_{CD} = -2qb^2 = -2Fb$
$H_{BA} = -2qb = -2F$	$H_{CB} = -2qb = -2F$	$H_{EB} = 0$	$H_{DC} = -F - 2qb = -3F$
$V_{BA} = 2qb = 2F$	$V_{CB} = 0$	$V_{EB} = 0$	$V_{DC} = 0$
$W_{BA} = 2qb^2 = 2Fb$	$W_{CB} = 2qb^2 = 2Fb$	$W_{EB} = 0$	$W_{DC} = 2qb^2 = 2Fb$

SPOSTAMENTI NODALI

$u_A = 0$	$u_B = 8/3(qb^4/EJ) = 8/3(Fb^3/EJ)$	$u_C = 0$
$v_A = 0$	$v_B = 0$	$v_C = 0$
$\phi_{AAB} = 7/3(qb^3/EJ) = 7/3(Fb^2/EJ)$	$\phi_B = 10/3(qb^3/EJ) = 10/3(Fb^2/EJ)$	$\phi_C = -2(qb^3/EJ) = -2(Fb^2/EJ)$
$u_D = 0$ $v_{DDC} = -(qb^4/EJ) = -(Fb^3/EJ)$ $\phi_D = 0$	$u_E = 8/3(qb^4/EJ) = 8/3(Fb^3/EJ)$ $v_E = 26/3(qb^4/EJ) = 26/3(Fb^3/EJ)$ $\phi_E = 14/3(qb^3/EJ) = 14/3(Fb^2/EJ)$	

AZIONI INTERNE (coordinate locali)

 $\begin{array}{lll} N_{AB} = -2F & N_{BC} = 0 & N_{BE} = 0 \\ T_{AB} = 2F & T_{BC} = 2F & T_{BE} = -2F + qx \\ M_{AB} = 2Fx & M_{BC} = 2Fx & M_{BE} = 2Fb - 2Fx + 1/2qx^2 \end{array}$

 $N_{CD} = -3F$ $T_{CD} = 0$ $M_{CD} = 2Fb$