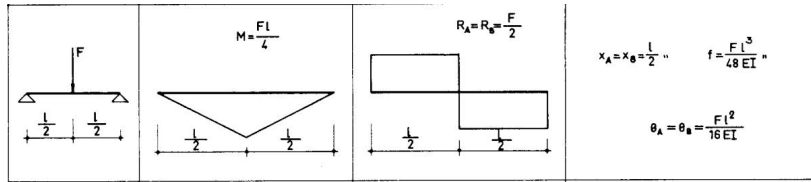


L	6	m
F	10.000	N
ly	8,6900E-06	m4
E	2,1,E+11	Pa
Mass	94,8	Kg
Theory Maximum deflection	24,66	mm

Punctual Load Center



INTERNAL

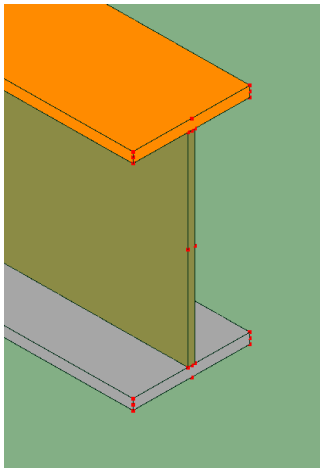
a	160	mm
b	82	mm
c	7.4	mm
d	5	mm
2nd moment of area about V	681533.033333334	mm <sup>4</sup>
2nd moment of area about W	8346264.96533333	mm <sup>4</sup>
Torsion constant	27879.3785930725	mm <sup>4</sup>
Cross sectional area	0.0019396	m <sup>2</sup>

L	6	m
F	10.000	N
ly	8,3463E-06	m4
E	2,1,E+11	Pa
Mass	91,35	Kg
Theory Maximum deflection	25,67	mm
Result displacement Z =	25,67	mm

Punctual Load Center

5 Nodes/4 Line2 Elements

CCx Composed Beam



L	6	m
F	10.000	N
ly	8,3463E-06	m4
E	2,1,E+11	Pa
Theory Maximum deflection	25,67	mm
Mass	91,35	Kg

Nodes after expansion

displacement Z =	24,14	4xB31	60
	22,95	4xB31R	60
	24,50	4xB32	168
	34,72	4xB32R	168
	25,35	8xB31	108
	0,67	8xB31R	108
	25,67	8xB32	312
	28,08	8xB32R	312