

Remarks: See § 7.2, pages 488 to 504

Answer

a)

Member	Forces(kN)	ΔL (mm)
1	F	4
2	$-F\sqrt{2}$	$-4\sqrt{2}$
3	$-F\sqrt{2}$	$-4\sqrt{2}$
4	F	4
5	-F	-4
6	$F\sqrt{2}$	$4\sqrt{2}$
7	$F\sqrt{2}$	$4\sqrt{2}$
8	-F	-4
9	-F	-4
10	0	0
11	0	0

c)

Joint	u_x (mm)	u_y (mm)
A	0	0
B	0	0
C	4	-28
D	-12	-52
E	-12	-4
G	-8	0
H	0	0
K	0	0

b) Scale : 1 square = 4mm

