

Remarks: See § 7.4, pages 514 to 520

Answer

a)

Member	Sign	ΔL (mm)
1	-	$-2\sqrt{2}$
2	-	-4
3	+	$2\sqrt{2}$
4	-	-4
5	-	$-2\sqrt{2}$
6	+	4
7	-	$-2\sqrt{2}$

b) Assuming the direction of AD is fixed and removing the support at B:

Joint	u_x (mm)	u_y (mm)
A	0	0
B	0	0
C	-4	-8
D	-2	-2
E	-6	-10

c)

Joint	u_x (mm)	u_y (mm)
A	0	0
B	0	0
C	-4	-8
D	-2	-2
E	-6	-10