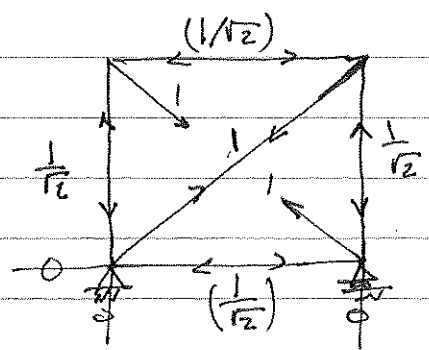
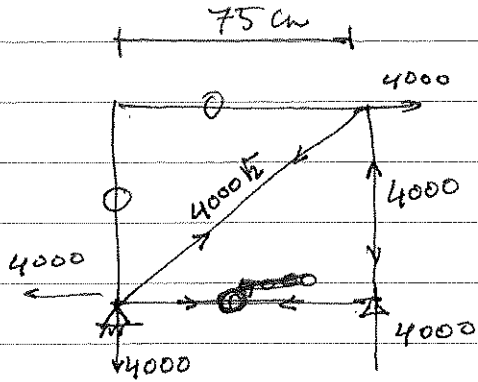
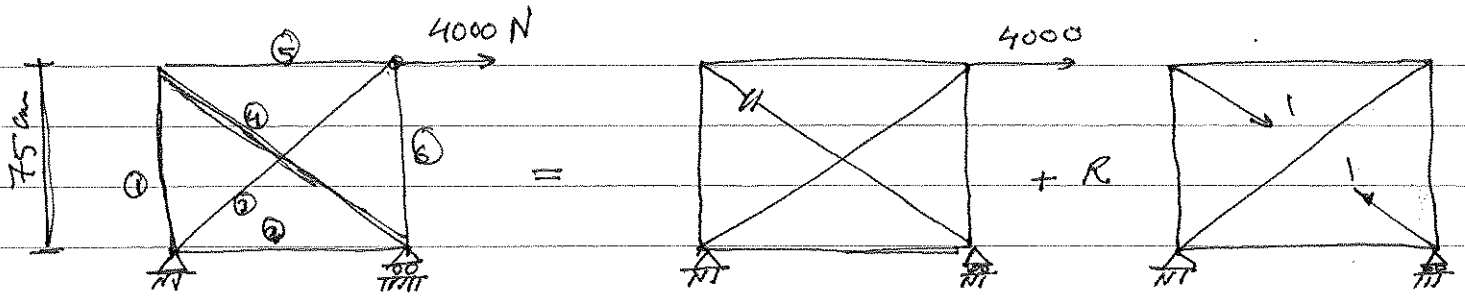


All areas are equal to 40 m^2 , $E = 200 \text{ GPa}$



	F	f_i	L	$\frac{(FF_i L)}{EA}$	$f_i^2 L / EA$	Actual F	MPa
1	0	$(-1/\sqrt{2})$	75	0	4.89×10^{-6}	1586	40
2	0	$(-1/\sqrt{2})$	75	0	4.69×10^{-6}	1586	40
3	$4000\sqrt{2}$	1	$75\sqrt{2}$	0.075	13.26×10^{-6}	3414	85
4	0	1	$75\sqrt{2}$	0	13.26×10^{-6}	-2243	-56
5	0	$(-1/\sqrt{2})$	75	0	4.69×10^{-6}	1586	40
6	-4000	$(-1/\sqrt{2})$	75	0.02652	4.69×10^{-6}	-2414	-60

$0.10152 \quad 4.53 \times 10^{-6}$

$\Rightarrow 0.10152 + R \cdot 4.53 \times 10^{-6} = 0$
 $R = -2242.64 \text{ N}$