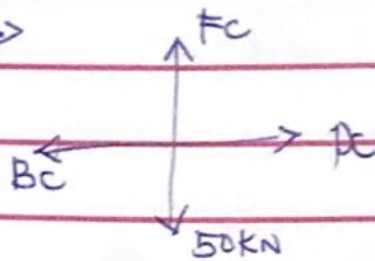


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At point C \Rightarrow



from previous calculated examples

$$B_c = 50\text{kN}$$

$$\therefore -B_c + D_c = 0 \quad (\text{Resolving to horizontal})$$

$$-50 + D_c = 0$$

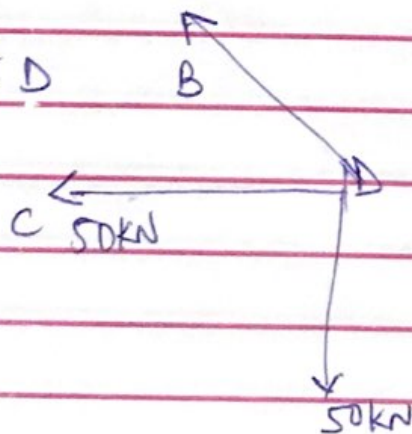
$$D_c = 50\text{kN} \quad (\text{Compressional})$$

Resolving to vertical

$$-50\text{kN} + F_c = 0$$

$$F_c = 50\text{kN} \quad (\text{Tensional})$$

At Point D



$$\text{Resolving to horizontal} = -50 \text{ kN} - DE \cos 45 = 0$$

$$50 \text{ kN} = DE \cos 45$$

$$DE = \frac{50}{\cos 45} = -70.71$$

DE = 70.7 Compressional

MEMBER	P (kN)	l (cm)	a (m ²)	$P = \frac{P}{a}$ kN/m ²	u	Pul
AF	-70.71	4.24	0.0004	-176775	-0.471	553026.75
AB	50	3	0.0004	125000	0.333	424875
BC	50	3	0.0004	125000	0.666	249750
BF	50	3	0.0004	125000	0.333	124825
FE	50	3	0.0004	125000	0.333 -0.471	124825 -124825
BE	0	4.24	0.0004	0	-0.471	0
EC	50	3	0.0004	125000 -176775	1.000 -0.942	375000 -16053.492
ED	-70.71	4.24	0.0004	-176775	0.942	706053.492
CD	50	3	0.0004	125000	0.666	249750
						$\Sigma = 2058455.24$