

F 4-5

$$M_o = +50 \cos 60 [200 \sin 45] \\ - 50 \sin 60 [100 + 200 \cos 45 + 100]$$

~~25(141.42) - 43.3(341.42)~~

$$= 25(141.42) - 43.3(341.42)$$

$$= -11248 \text{ Nmm}$$

F 4-6

$$M_o = 500 \sin 45 (3 + 3 \cos 45) \\ - 500 \cos 45 (3 \sin 45)$$

$$= 353.55(5.12) - 353.55(2.12)$$

$$= 1060.6 \text{ Nm}$$