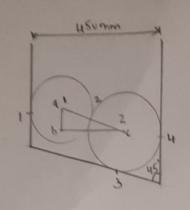
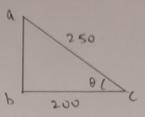
HAIRSHEL D. MALAWADE 2G120ECOUG T36.



Sphere 1 1= 100mm W = 750N

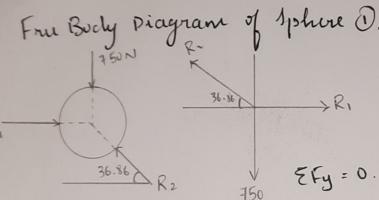
Sphere 2 r = 150mm M= 1000N



-> RI

ac= 150+100 120 = 450-150-100 = 200.

 $\theta = \cos^{-1}\left(\frac{20}{25}\right) = 36.86$.



EFx = 0

R1 - R2 CO536.86 = 0

R1 = R2 (0.8) -0

Put Rz in eq" ().

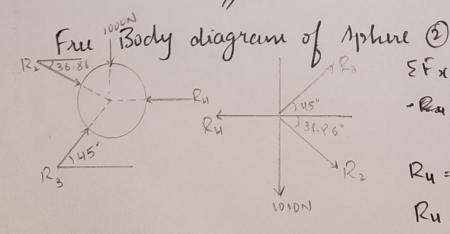
R1: 1250.2 (0.8)

: R1 - 1000.16N/

R25in36.86 - 750=0

R2 = 750/5in36.86

:. R2 = 1250.2N/



EFX = 0

- Ray R3 (US 45°-R4 + R2 CUS 36.86

Ry = 123 cos45°+1250.2 (0.8)

Ru = R3 CUSUS' + 1000.16 - (2).

¿ Fy : 0 R35in45-1000-R25in36.86 = 0

Rysinus-2000-1250 (0-59)=0 R35=1000+1250.25in36.86 Sinu5

R3-SiMUS = 1737-618 : 23:

: R3 = 2474.8 N

Put R3 in equation 2

:. Ru = 2750.10 N/