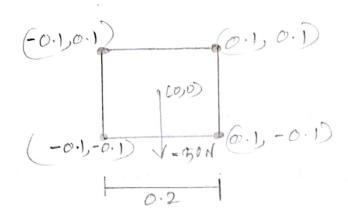
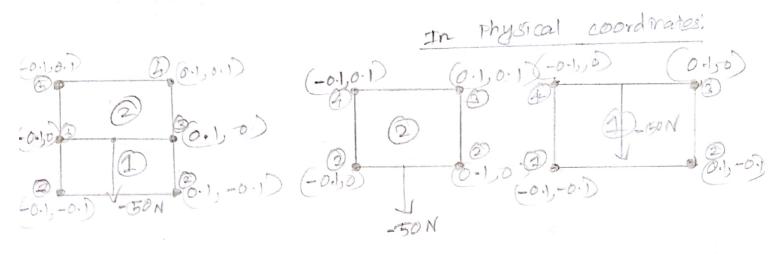
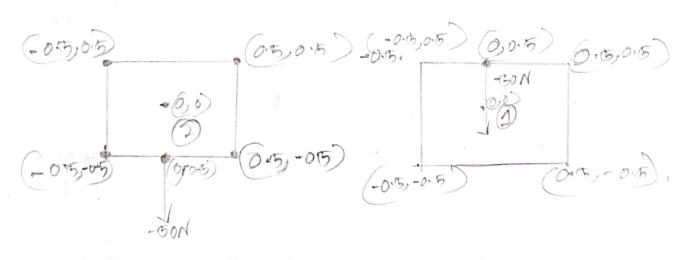
Load vector for 214 elements

across the cross section:





In Natural Coordinates:



SLeat = PFINIUTI

At the paint of Load application N, =0, N2=A 5= 1 (1td) (HB) Fi= 4 (1-2) (1-B) F2= 4 (1+a) (1-B) F4= (1-a) (1+B) Load is applied in negative z-drection. for the 1st element the Load is applied at the point (0,0.5) The Natural coordinates $(\alpha, \beta) = (0, 0.5)$ $\int L_{ext} = -60 \times \frac{1}{4} C_{V} - 00 C_{1} - 0.6 \times \frac{1}{4} G_{4} 00 G_{0}$ $\frac{1}{4} C_{V} - 00 C_{1} - 0.6 \times \frac{1}{4} G_{4} 00 G_{0}$ $\frac{1}{4} C_{V} - 00 C_{1} - 0.6 \times \frac{1}{4} G_{4} 00 G_{0}$ SLext = PF, UZ12 + PF2 UZ22 + PF3 UZ32 +PF4 UZ42. = (50×1×(1-0)(1-0.5) U212 - (50×1× (1+0)(1-05) U22) -50x / x (1+000) (1+000) (1+000) (1+000) (1+000) (242

= -6-250212 - 6.250202 - 18.750232 - 18-750242

Scanned by CamScanner



Smiliarly -18-75 U 212 - 18.750222 - 6.25 U252 -6-250242. assembling

-6.25N