



from this there are 2 kind of Z's. 1.when you take moment about T, you get two Zs. One due to C1 and other due to C2. It's easier and preferred to do this

2. Take moment about centroid of (Compressive zone) C1 and C2. You only get 1z.

T=(C1\*z2)+(C2\*z1) Moment about T

C1+C2=T\*Z3 Moment about C1+C2(centroid)

z1=coincides with centroid of steel ref T z2=coincides with centroid of conc stress ref T z3=coincides with centroid of C1 and C2

