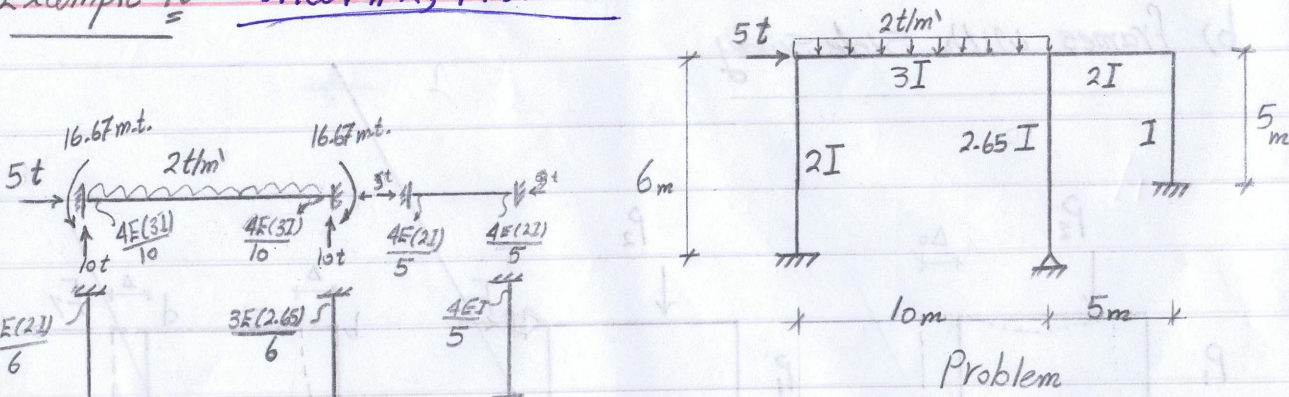
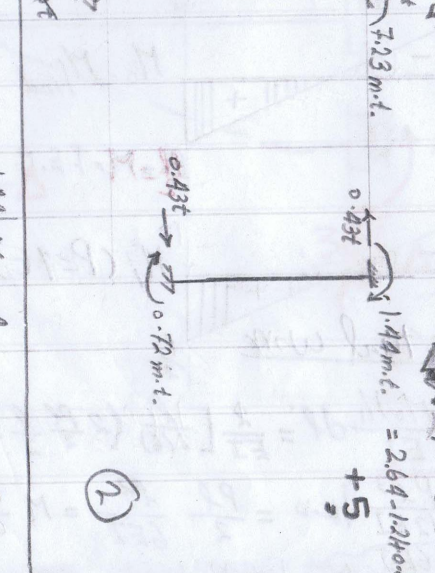
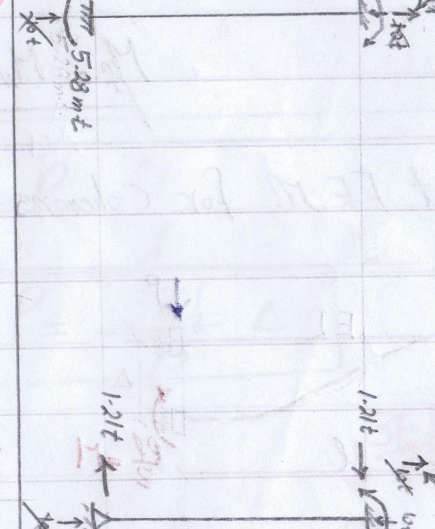
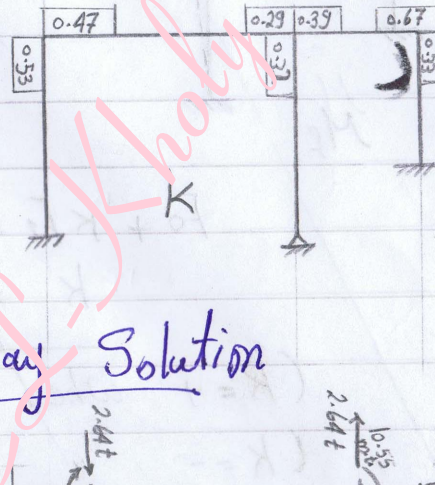
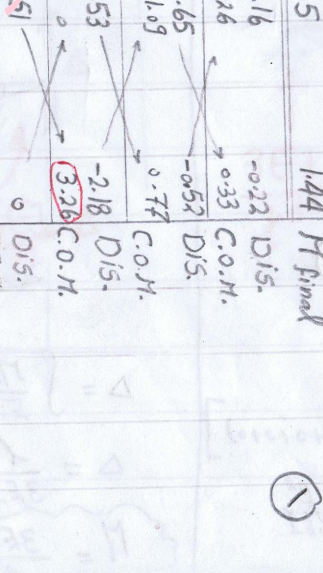
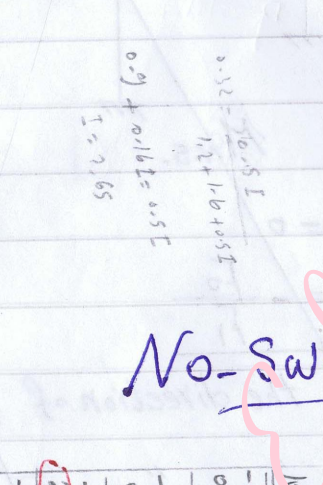
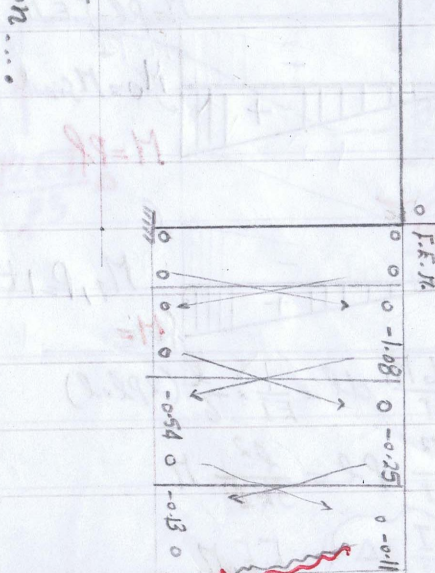
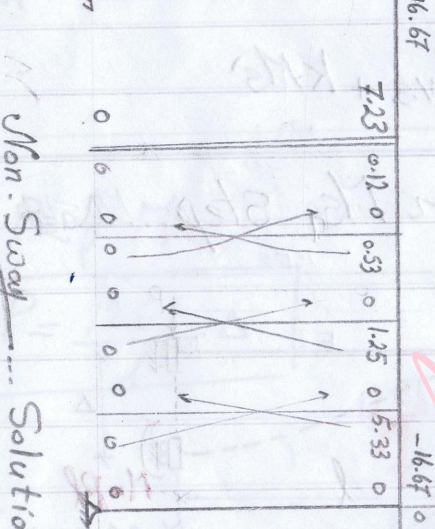
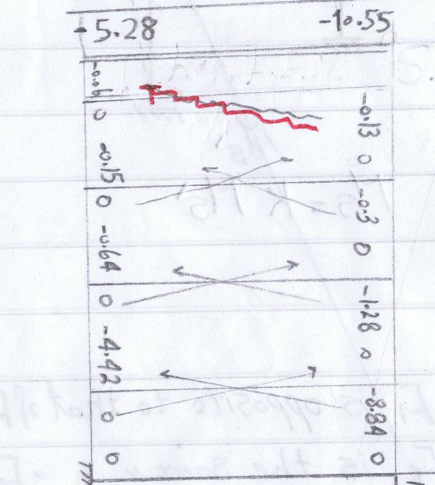


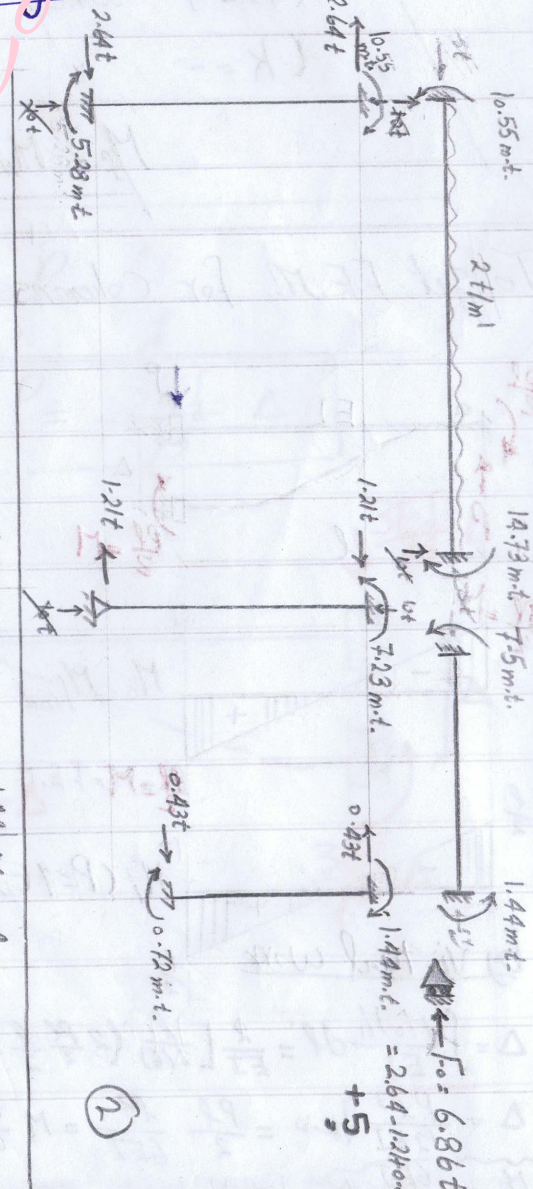
Example 10 "Sheet #2, Problem C"



Key, F.E.M. 8 S.



No-Sway Solution



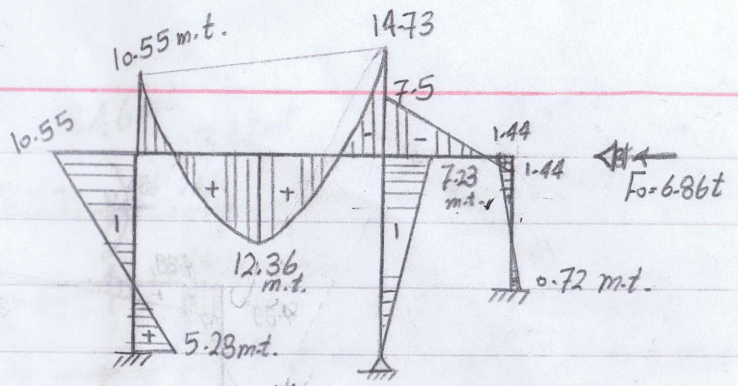
Non-Sway Solution...

(1) (2)

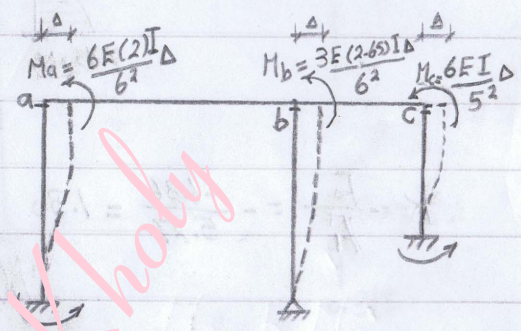
$$F_o = 6.86t$$

$$= 2.64 - 1.24 + 0.43$$

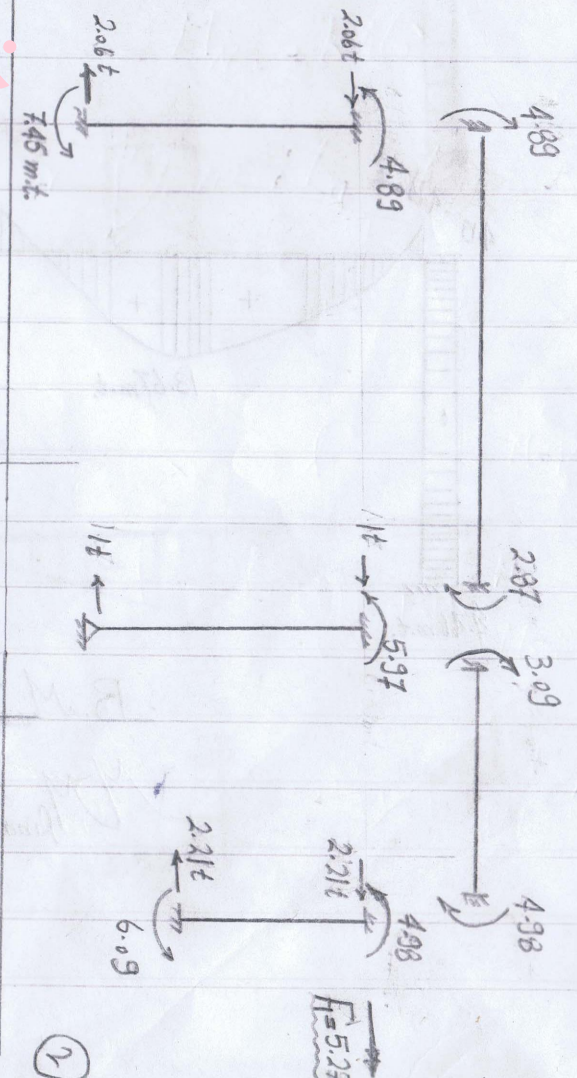
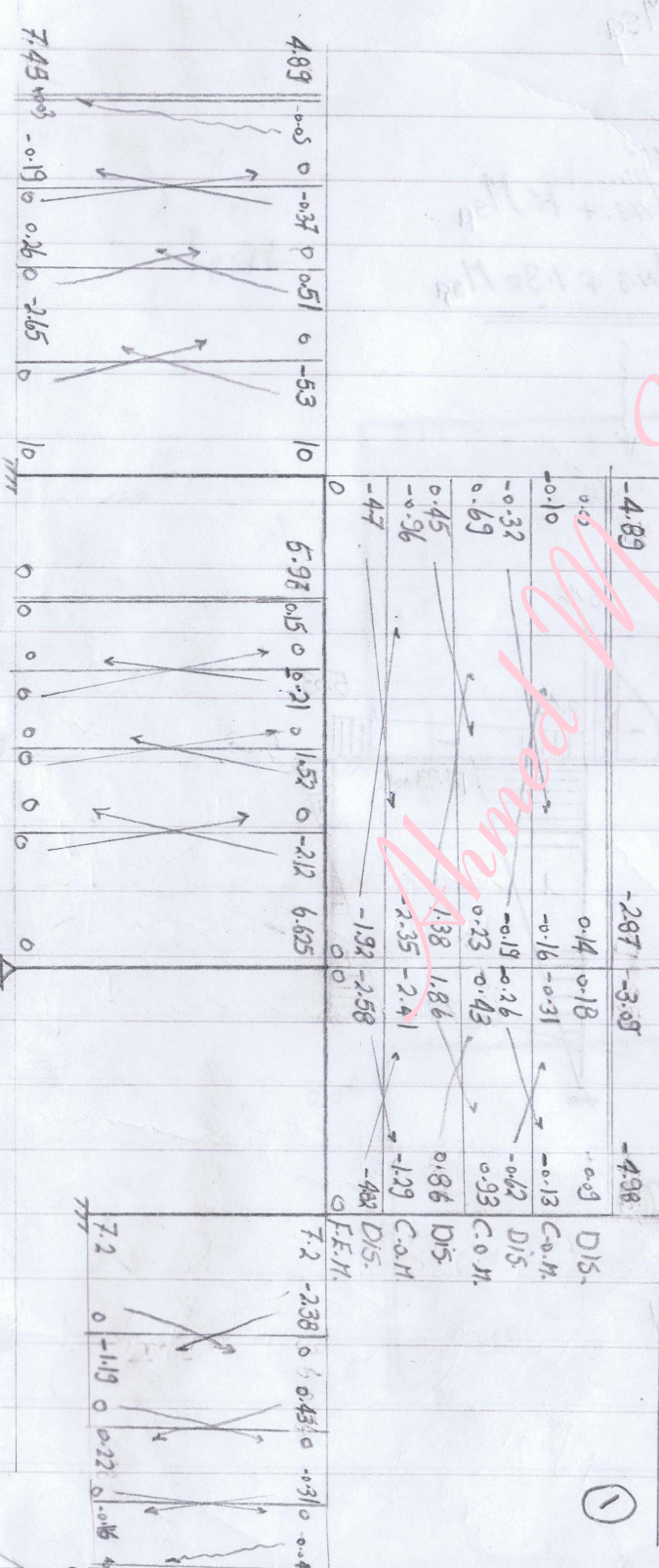
$$+ 5$$

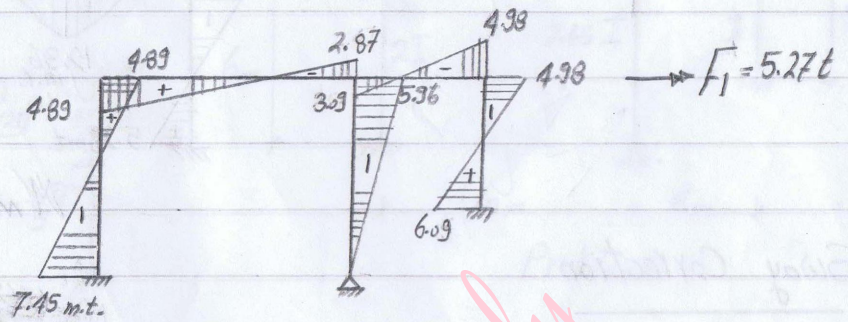


Sway Correction



$\therefore M_a : M_b : M_c$
 $= \frac{1}{3} : 0.2208 : 0.24 \times EI\Delta$
 Assume $M_a = 10 \text{ m.t.}$
 $\therefore M_b = 6.625 \text{ m.t.}, M_c = 7.2 \text{ m.t.}$



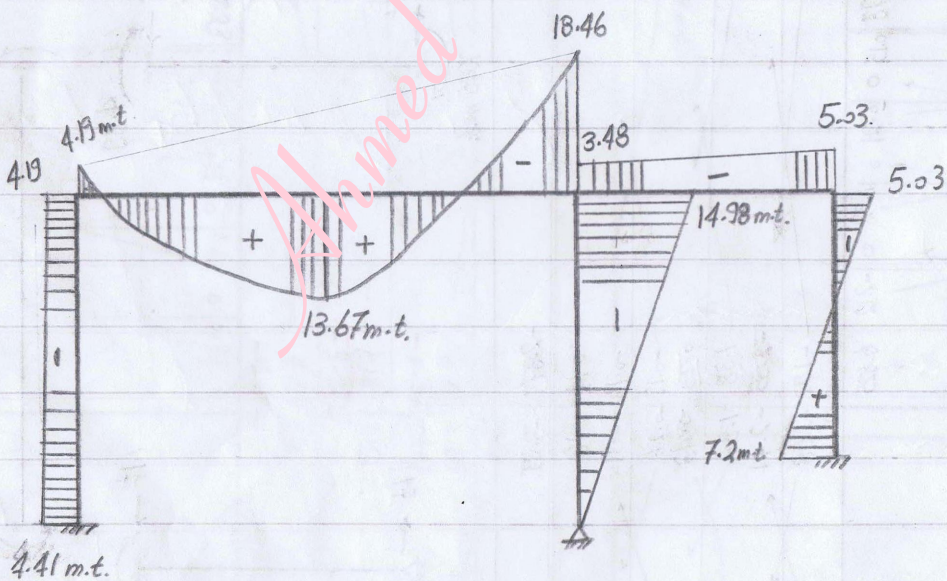


$$K = -\frac{F_0}{F_1} = -\frac{-6.86}{5.27} = 1.30$$

M_{sq}

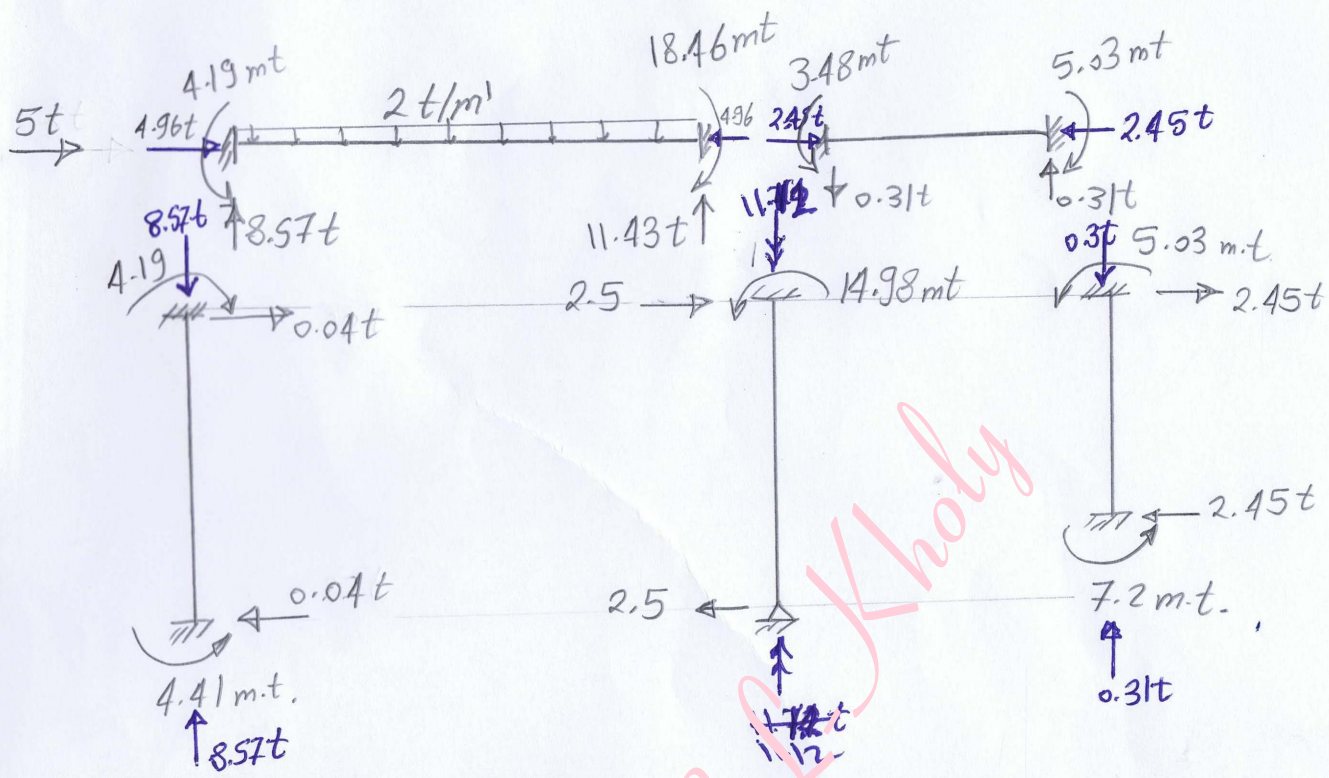
$$M_f = M_{NS.} + K M_{sq}$$

$$M_f = M_{NS.} + 1.30 M_{sq}$$

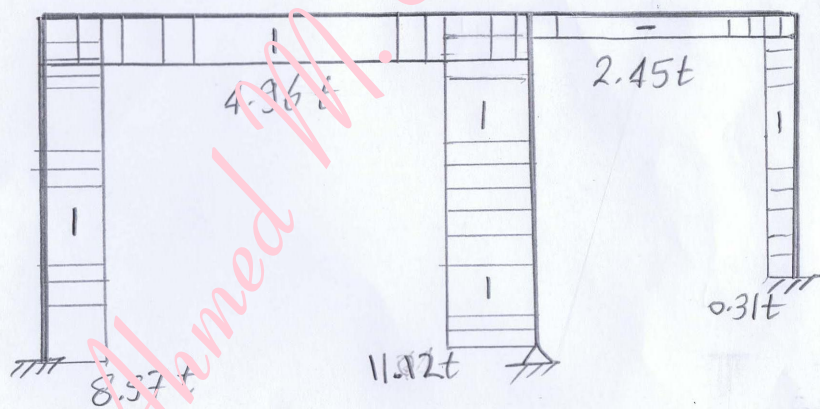


B.M.D

M_{final}



N.F.D.



S.F.D.

