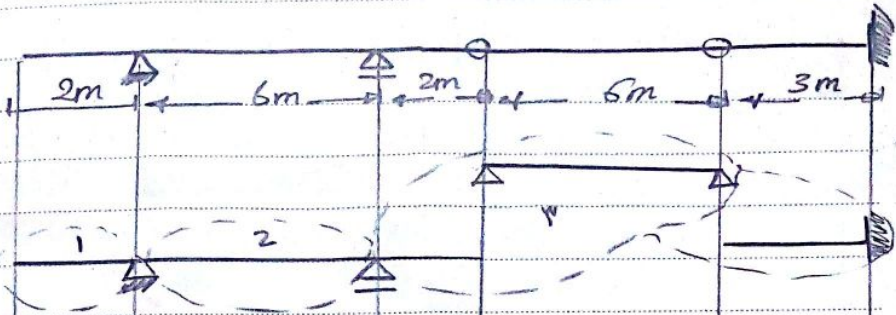
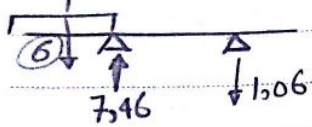
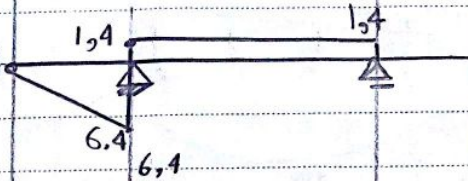


L.L = 3.2

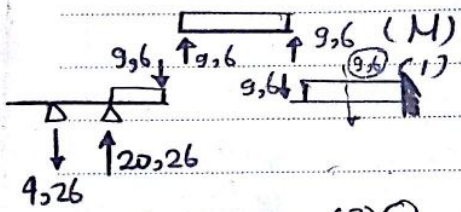
Case ①



Case ①
Q



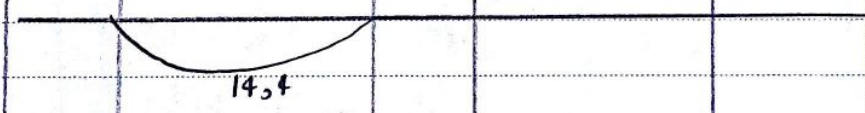
Case ③



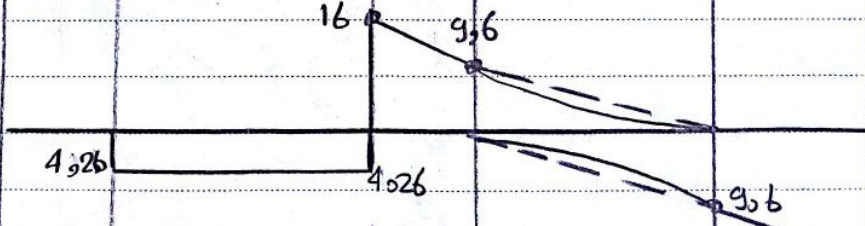
(3) Q



(2) M



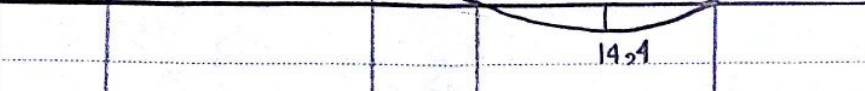
Q3

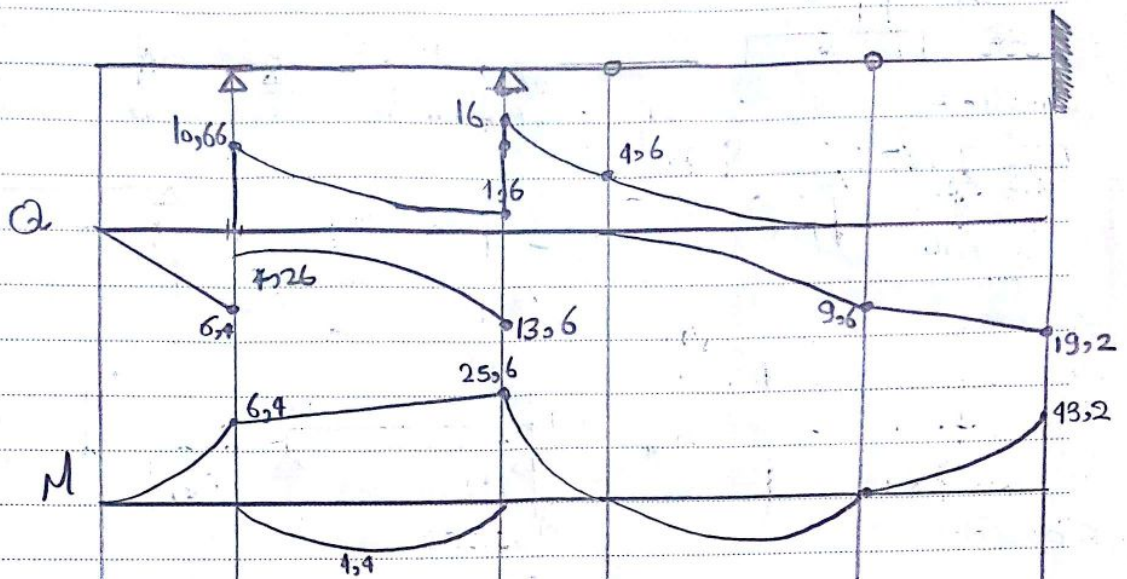


M3

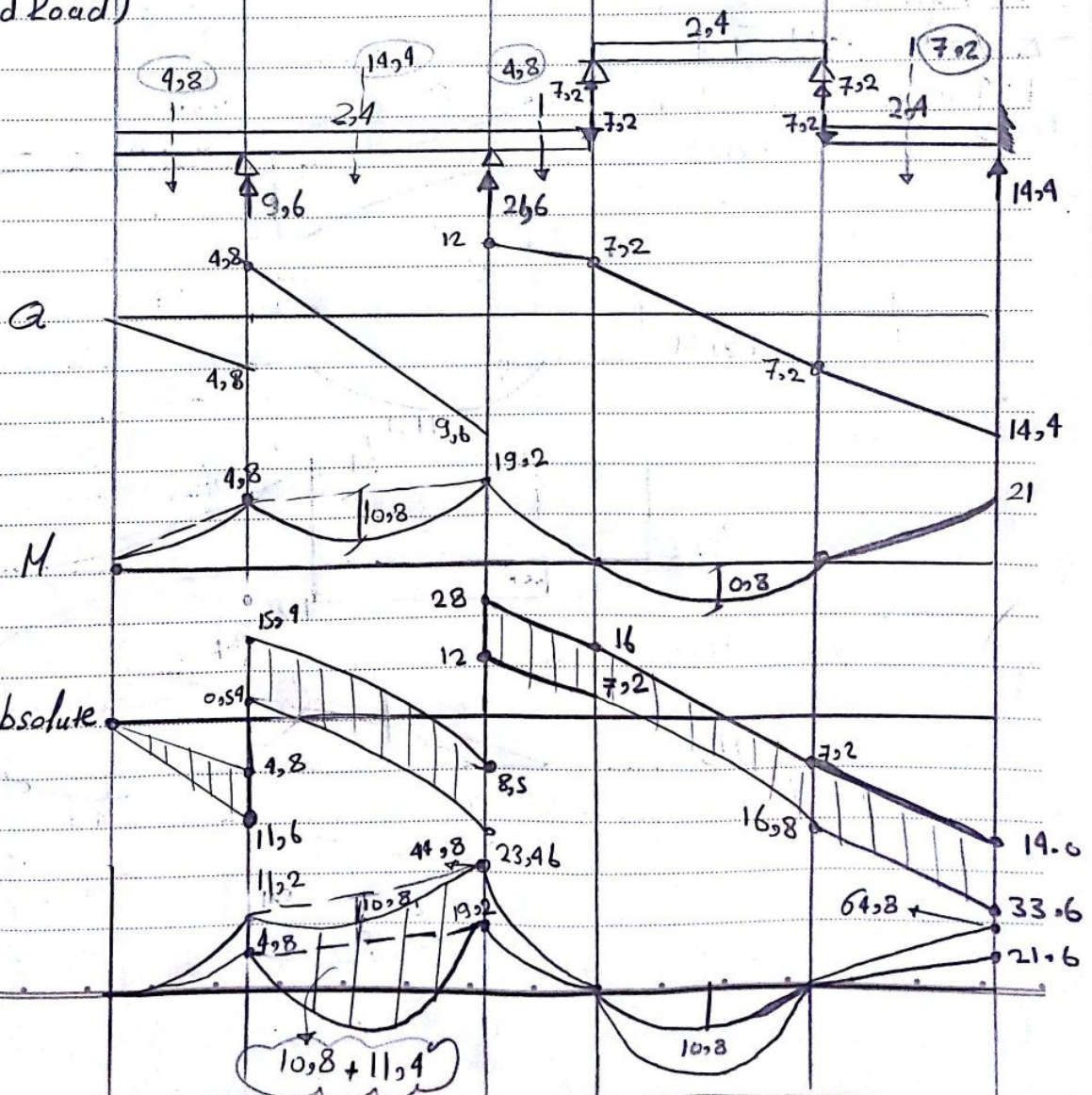


M3





(for Dead Load)



Date / / No

$$L.L = 3 \pm 1m$$

$$Ma(8) + 2Mb(8+12) + Mc(12) =$$

$$-6(64 + 0)$$

$$Mb = -9,6$$

Diagram of a frame structure with three bays. The top chord has horizontal dimensions of 8m, 12m, and 3m. The left vertical column has a height of 3.1m. The middle and right vertical columns are labeled 'b' and 'c' respectively. The structure is supported by a fixed support on the left and roller supports at the base of the middle and right columns.

~~$$Ma + 2Mb(8+12) + Mc =$$~~

$$-6(0+216)$$

$$M_b = -324 \text{ M.t}$$

$$M_a = 0 \quad M_c = -13,5$$

$$Ma(0) + 2Mb(8+12) + 12Mc = 0$$

$$M_b = 4.05$$

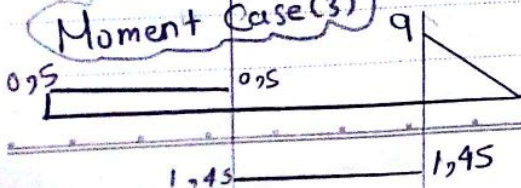
Case (2)

Graph of potential energy U versus distance r . The curve starts at a high positive value for small r , crosses the zero line at $r = 0.34 \text{ nm}$, reaches a minimum at $r = 0.36 \text{ nm}$, and then approaches zero from below as r increases. The minimum is labeled 13.2 eV . The zero line is labeled 34.5 eV .

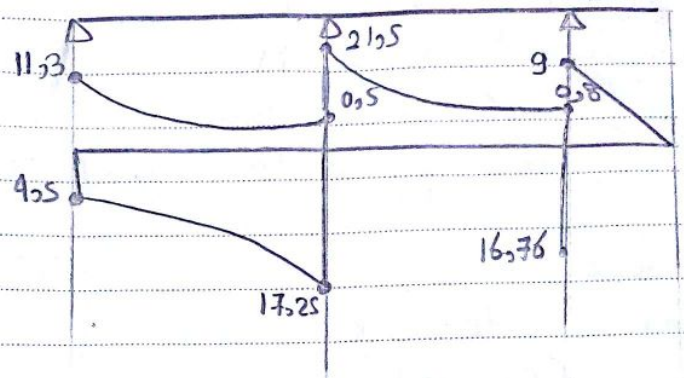
Diagram of a continuous beam with three spans. The beam has four supports. The first span is 4.05m long with a uniformly distributed load of 216 kN/m. The second span is 3.1m long with a point load of 324 kN at the center. The third span is 4.05m long with a uniformly distributed load of 216 kN/m. The diagram shows the beam, supports, loads, and reaction values: 216 kN at the first support, 4.05 kN at the second support, 18 kN at the third support, and 216 kN at the fourth support. The reactions at the second and third supports are also labeled as 20.3 and 15.3 respectively.

Case (3)

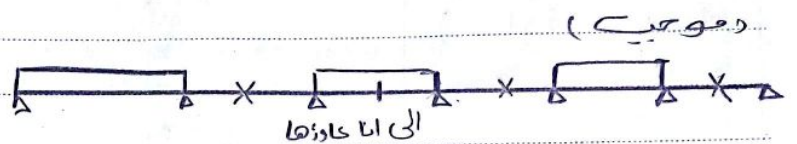
Moment Case (3)



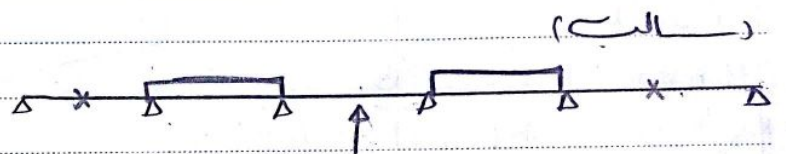
Case 3



① هتصيف لبحر
 اولاً : لو عاين الوصيف
 (حمل الباكيت نفسه)



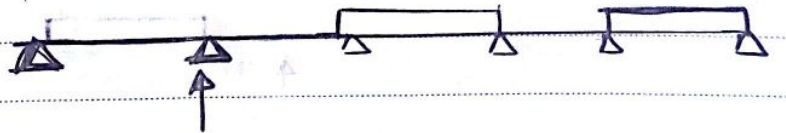
(لو عاين سالت)
 سالت الباكيت الى انا عاوزها
 وحمل الى جنبها ultimate

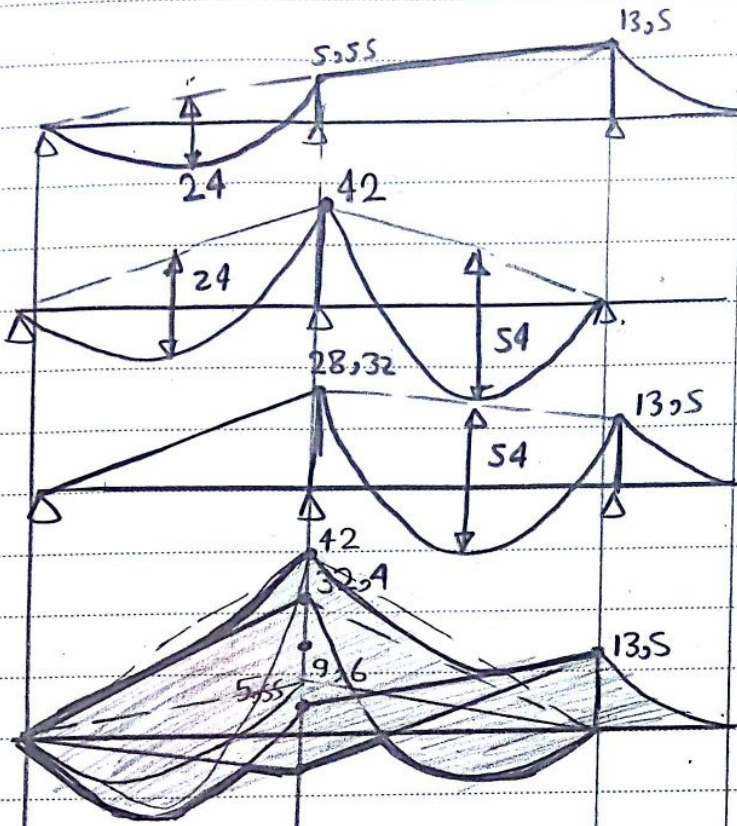
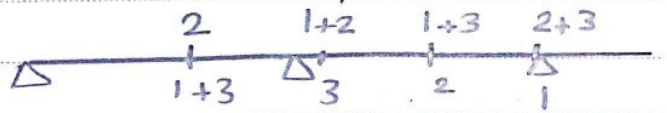


عندلر كاش
 لو عاين سالت



لو عاين هوويف





$M_{(1+3)}$

$M_{(1+2)}$

$M_{(2+3)}$

M_{Max} (ت. رسومات مع جمع)

①

②

③

ت. رسومات

$$\begin{aligned} & \frac{y+1}{c+1} \\ & \frac{y+c}{y+c} \end{aligned}$$