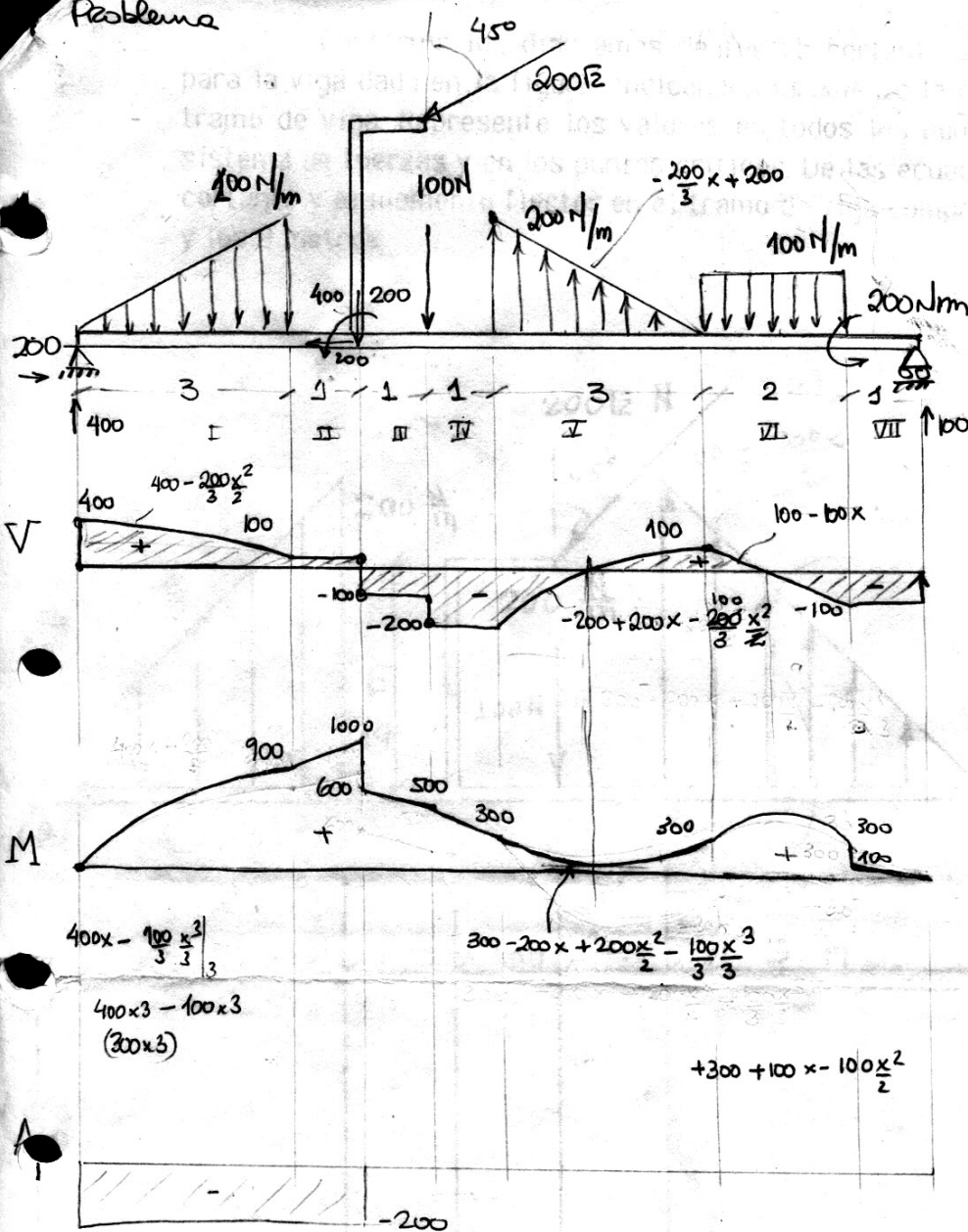


Problema



$$\frac{200}{3}x$$

$$V_1 = 400 - \left(\frac{x}{3} \frac{100x^2}{2} + \dots \right)$$

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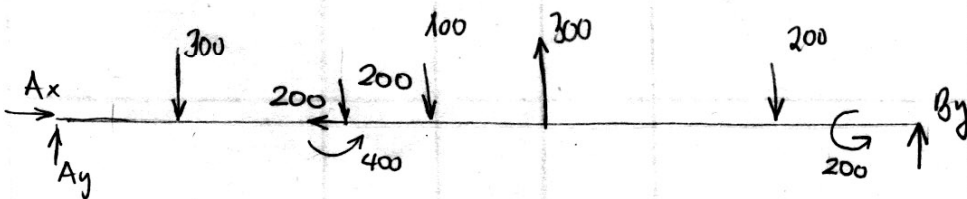
$$V_{II} = -200 + \int \left(-\frac{200}{3}x + 200 - 200 + 200x - \frac{200}{3} \frac{x^2}{2} \right)$$

$$M_I = 400x - \frac{200x^3}{6 \cdot 3} = 400 \cdot 3 - \frac{200 \cdot 3^3}{2 \cdot 3} = 400 \cdot 3 - 100 \cdot 3$$

$$300 - 200x + \frac{200x^2}{2} - \frac{100(3)^3}{3}$$

$$300 - 200 \cdot 3 + 100 \cdot 9 - 300 = -600 + 900$$

$$+300 + 100 \cdot 2 - 50 \cdot 4$$



$$A_y + B_y = 500$$

$$M_A = 0 = 12B_y - 300(2) - 200(4) - 100(5) + 300(7) - 200(10) + 400 + 200 = 0$$

$$12B_y + 300(7-2) - 200(14) - 500 + 600 = 0$$

$$12B_y + 100 - 2800 + 1500 = 0$$

$$B_y = 100 \Rightarrow A_y = 400$$

$$A_x = 200$$

$$\frac{(100)^2 + (100)^2}{(200)^2} = \frac{200^2}{200^2} = 1$$

