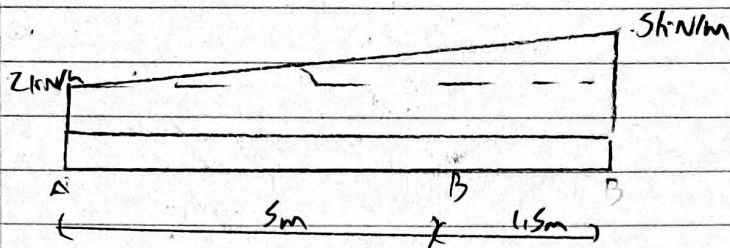


Soluzioni: 21-5-4.9-MK-05



$$F = (2 \text{ kN/m} \times 5 \text{ m} + 1.5 \text{ m}) + \frac{1}{2} (5 \text{ kN/m} - 2 \text{ kN/m}) (5 \text{ m} + 1.5 \text{ m}) = 22.75 \text{ kN}$$

$$d = \frac{(2 \text{ kN/m} \times 5 \text{ m} + 1.5 \text{ m}) (5 \text{ m} + 1.5 \text{ m}) \left(\frac{1}{2}\right) + \left(\frac{1}{2} (5 \text{ kN/m} - 2 \text{ kN/m}) (5 \text{ m} + 1.5 \text{ m})\right) (5 \text{ m} + 1.5 \text{ m}) \left(\frac{2}{3}\right)}{22.75 \text{ kN}}$$

$$f_z = 3.714 \text{ m}$$