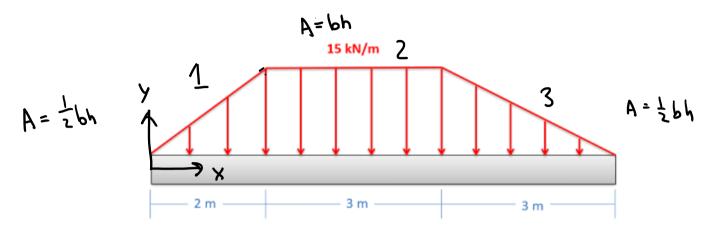
Problem 1

Determine the magnitude and location of the equivalent point load for the distributed force shown below using composite parts.



Shapa	Area (hu)	X(n)	
l	15	1.33	£ 2-3
2	45	3,5	4 2+3
3	22.5	6	L 5+ 3

$$X_{44} = \frac{(15)(1.33) + (45)(3.5) + (22.5)(6)}{82.5} = \boxed{3.79 m}$$

