

7	(i)		$F = 30 + 50 = 80 \text{ N}$	B1 [1]	1.1a	Cao	
	(ii)		Taking moments about the top of the rod $Fx = 50 \times 2$ $x = 1.25 \text{ m}$	M1 A1 [2]	3.3 1.1b	Or any other suitable point Cao	All necessary terms must be present. Each term must be a product of a force and a length.