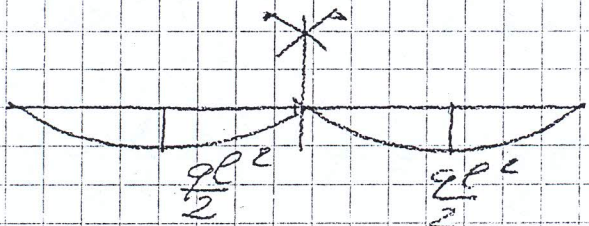
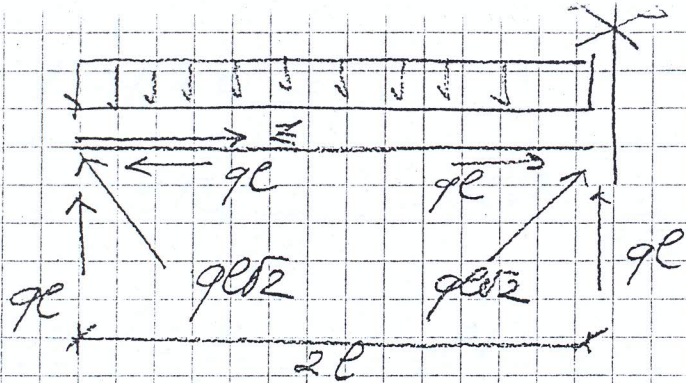
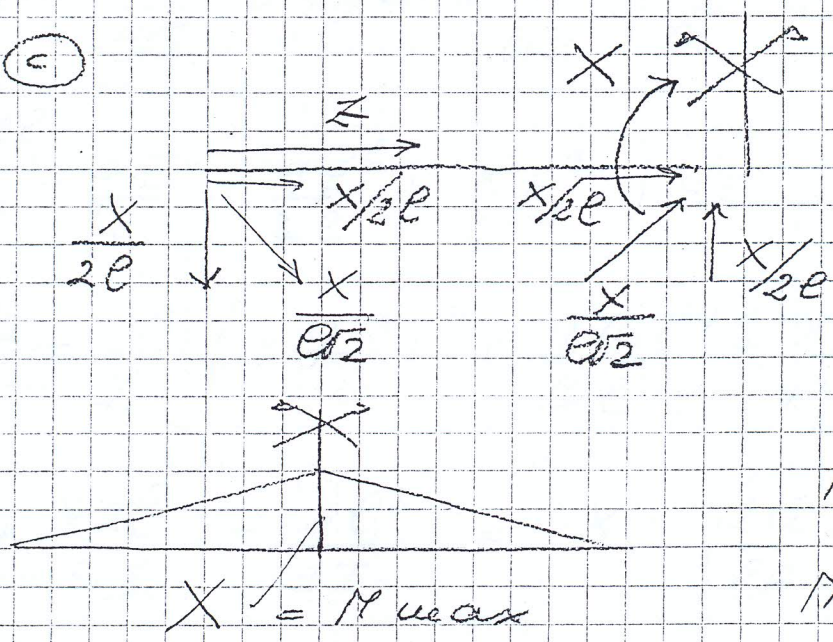


(a)



$$M_{max} = qe \cdot l - qe \cdot \frac{l}{2} = \frac{qe^2}{2}$$

(b) + (c)



$$N^c = N(q) + N^f \cdot X$$

$$M^c = M(q) + M^f \cdot X$$

	AB	AC	BC
e_c	$le\sqrt{2}$	$le\sqrt{2}$	$2e$
N^f	$\frac{1}{e\sqrt{2}}$	$-\frac{1}{e\sqrt{2}}$	$-\frac{1}{2e}$
M^f	0	0	$-\frac{1}{2e}x$
$M(q)$	0	0	$qe^2x - qe^2\frac{x}{2}$
$N(q)$	$-qe\sqrt{2}$	$-qe\sqrt{2}$	qe