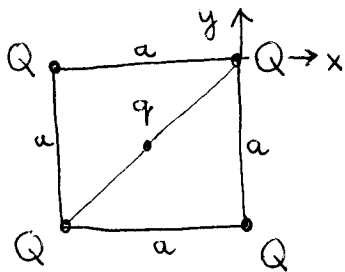


1.) egyensúly $q = ?$



$$\cos 45^\circ = \frac{\sqrt{2}}{2}$$

$$\sin 45^\circ = \frac{\sqrt{2}}{2}$$

$\vec{F}_Q = 0$ bármelyikre pl. jobb felső

$\vec{F}_q = 0$ ✓ szimmetria

$$F_c = \frac{kQq}{d^2}$$

$$(x) \quad k \frac{Q^2}{a^2} + k \frac{Q^2}{2a^2} \frac{\sqrt{2}}{2} + k \frac{Qq}{\frac{a^2}{2}} \frac{\sqrt{2}}{2} = 0$$

(y) ugyanaz az egyenlet...