X2 E, = E,  $\frac{|\mathcal{R}|^{2q}}{|\mathcal{R}|^{2}} = \frac{|\mathcal{R}|^{q}}{|\mathcal{R}|^{4}} \Rightarrow \frac{2}{|\mathcal{R}|^{2}} = \frac{1}{|\mathcal{R}|^{4}}$ 3 x1= 2 (x1+d)2 3  $x_1^2 = 2(x_1^2 + 2x_1 d + d)$  $\Rightarrow x_1^2 + 4x_1 d + 2d^2 = 0$ 91 = -4 d + 1/6 d2 - 8 d2 = d (-2 ± √2 the position where electric vied is Leno

the all possible points where the electric field is zero is to  $d(\pm 2 \pm \sqrt{2})$