There are 2 point charges +9, and -92 placed at a distance. An electric field line emerges from the to, change at an angle of the storaight line connecting it to the charge -92. At what angle will the field line end at the charge - 92? given: d solid angle = area (By deforce) bradius) solid angle) Solid angle 12 = 2JT(1-cosa) 2JI (Rovina) Rdd pradûs)2 del = 28 sind da  $\int d\Omega = \int 2\pi b \dot{m} \alpha d\alpha$ 2 = 2JT (1 - casa)

Consider a come with restex angle 2d and restex angle 2d and restex at the point + oy, come A Similarly consider a come cuith restex at -or2 and restex angle 2B, come B The number of electoric field lines passing thorough the come A = that passing inter come B . . Flux thorough the scalid angle  $\Omega_1 =$ that through radial angle 12 -(1 flux through solid angle 12 = total flux total solid angle

$$= \frac{Q}{\xi_0} \times 1 \times \Omega$$

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