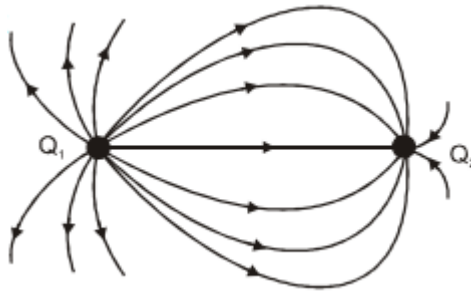


Problem 5) A few electric field lines for a system of two charges Q_1 and Q_2 fixed at two different points on the x-axis are shown in the figure. These lines suggest that :

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- 1) $|Q_1| > |Q_2|$
- 2) $|Q_1| < |Q_2|$
- 3) at a finite distance to the left of Q_1 the electric field is zero
- 4) at a finite distance to the right of Q_2 the electric field is zero

Ans) A, D