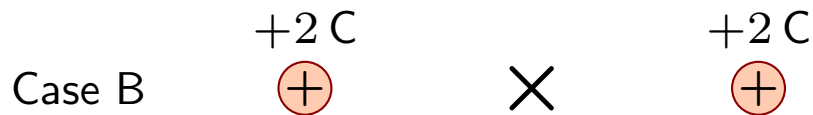


Question 1

In the following separate scenarios two source charges produce electric fields. Consider the magnitude of the field at the location midway between the two source charges.



Which of the following describes the rank of the magnitudes of the fields at the midpoint?

1. $E_C > E_A = E_B$
2. $E_A = E_B = E_C$
3. $E_A = E_B > E_C$
4. $E_A > E_B > E_C$
5. $E_C > E_A > E_B$