

5. (3 pts.) Three charges are brought from infinity and placed at the corners of an equilateral triangle. Which of the following statements is true?



- A. The work required to assemble the charges is always positive.
- B. The electrostatic potential energy of the system is always positive.
- C. The electrostatic potential energy does not depend on the order the charges are placed at the corners.
- D. The work required to assemble the charges depends on which charge is placed at which corner.
- E. The electrostatic potential energy depends on which charge is placed at which corner.