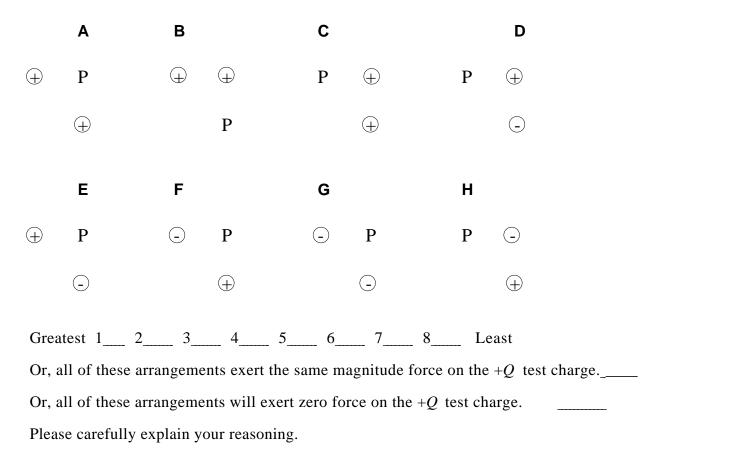
Two Nonlinear Electric Charges—Electric Force¹²⁸

Given below are arrangements of two fixed electric charges. In each figure, a point labeled P is also identified. All of the charges are the same size, q, but they can be either positive or negative as indicated. The distances between adjacent items, either between two charges or between a charge and point P, are all the same. There are no other charges in this region. For this problem, we are going to place a test charge,+Q, at point P.

Rank these arrangements from greatest to least on the basis of the strength (magnitude) of the electric force on the test charge, +Q, at P.



How sure were you of your ranking? (circle one) Basically Guessed Sure Very Sure 1 2 3 4 5 6 7 8 9

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