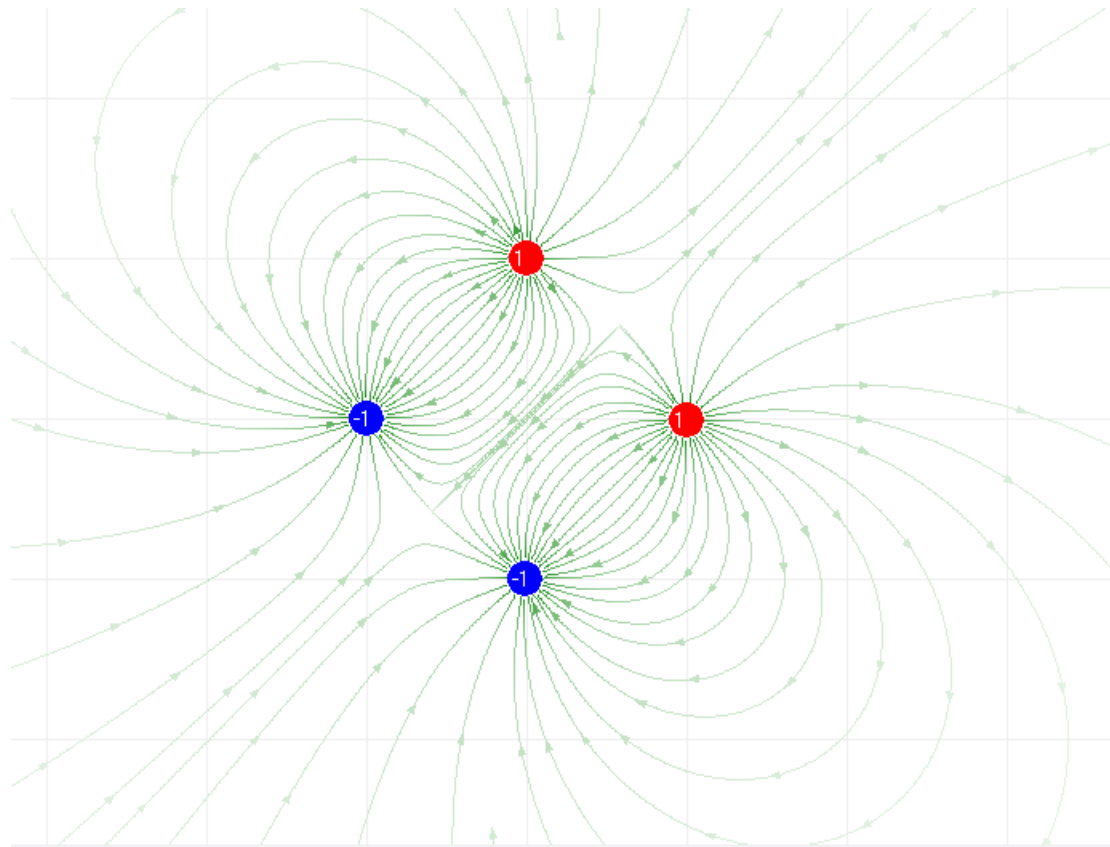
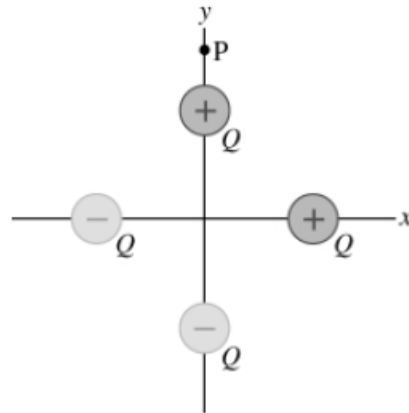


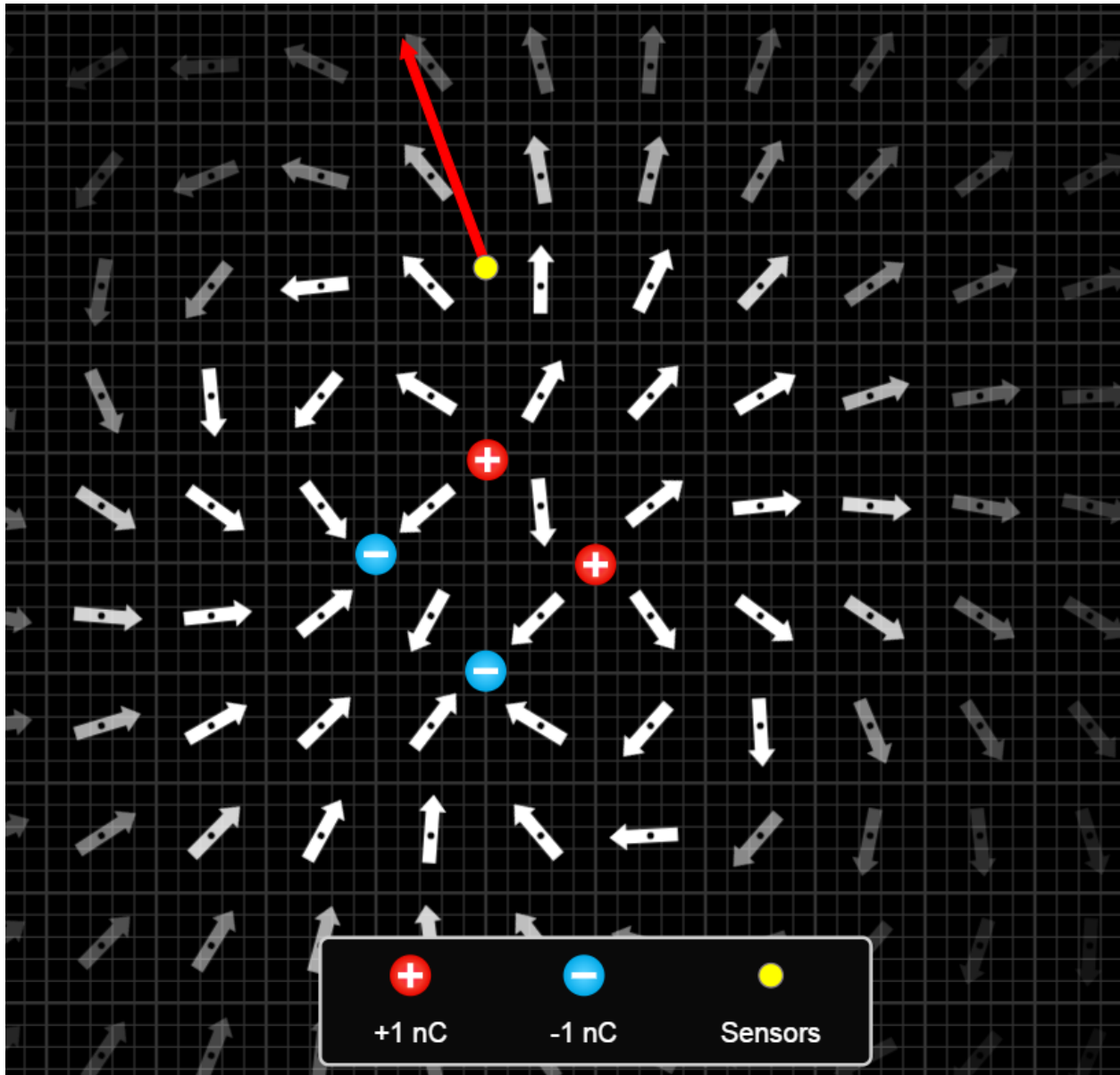
Example is question 10 HW.

- 10) Four charged particles (two having a charge $+Q$ and two having a charge $-Q$) are distributed as shown in Figure 17.9. Each charge is equidistant from the origin. In which direction is the net electric field at the point P, which is on the y axis?

Figure 17.9



[http://www.soft14.com/download/Utilities and Hardware/Engineering/Electric Field 22624 free-download.htm](http://www.soft14.com/download/Utilities%20and%20Hardware/Engineering/Electric%20Field%2022624%20free-download.htm)

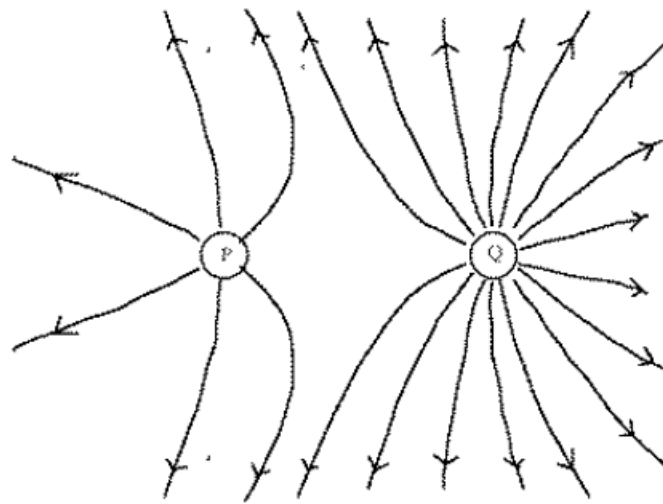


PHet

https://phet.colorado.edu/sims/html/charges-and-fields/latest/charges-and-fields_en.html

9) Figure 17.11 shows electric field lines arising from two small charged particles P and Q.

Figure 17.11



Consider the following two statements:

- i. The charge on P is smaller than the charge on Q.
- ii. The electrostatic force on P is smaller than that on Q.

