In each of the four cases shown below, a particle of charge $+q$ is placed a distance $d$ from a particle of charge $+4q$. The particles are then released simultaneously. The masses of the particles are indicated in the diagram. Which case has the largest magnitude of the acceleration of the RIGHT HAND particle just after it is released? (Click all if there are more than one.)

A. Case 1
B. Case 2
C. Case 3
D. Case 4
Three identical charges are lined up in a row. If we compare the electric force charge $q_1$ exerts on charge $q_3$ ($F_{1\rightarrow 3}$) to the force $q_2$ exerts on charge $q_3$ ($F_{2\rightarrow 3}$)

\begin{enumerate}
  \item $F_{1\rightarrow 3}$ is twice as big as $F_{2\rightarrow 3}$.
  \item $F_{1\rightarrow 3}$ is half as big as $F_{2\rightarrow 3}$.
  \item $F_{1\rightarrow 3}$ is more than twice as big as $F_{2\rightarrow 3}$.
  \item $F_{1\rightarrow 3}$ is less than half as big as $F_{2\rightarrow 3}$.
  \item $F_{1\rightarrow 3}$ doesn’t affect $q_3$ at all since $q_2$ is in the way.
\end{enumerate}
In the figure are shown four arrangements of charge. Each charge has the same magnitude, but some are + and some are -. All distances are to the same scale. In which would the magnitude of the force felt by a positive test charge placed at P be the largest?

1. A
2. B
3. C
4. D
5. You can’t tell.