$q = p$ $n = \sigma_0$ runtime (in seconds)
$\begin{array}{c cccc} q & (=p) & n & \sigma_0 & \text{runtime (in seconds)} \\ \hline 251 & 250 & 0.5 & 2.62 \end{array}$
503 503 0.575 12.02
809 808 0.61 34.38