

Illustrate the execution of RANDOMIZED QUICK-SELECT to find the k^{th} smallest element in the following sequence S , where $k=5$.

$S: 3 \ 7 \ 11 \ 9 \ 15 \ 13 \ 5 \ 1 \ 19 \ 17 \ 23 \ 21 \ 9 \ 11 \ 3$

