```
SIMPLER-RANDOMIZED-SELECT (A, p, r, i)
1 if p == r
return A[p] // 1 \le i \le r - p + 1 means that i = 1
q = RANDOMIZED-PARTITION(A, p, r)
4 \quad k = q - p + 1
5 if i < k
      return SIMPLER-RANDOMIZED-SELECT (A, p, q, i)
7 else return Simpler-Randomized-Select(A, q + 1, r, i - k)
```