**1**. Recurrence relation of SELECT with PARTITION is as follows

T(n) <= c                                        when n<50
T(n) <= T(n/5) + T(3n/4) + cn            when n>=50

Proof by induction on $n$ that T($n$) <= a$n$ :

2. In randomized algorithm,  randomness imposed on (select: A or B)

a. as component of the algorithm

b. in the input of the algorithm