3',

Best - core for quicksond: charges machin for the pivet, splitting the list in half, such theat:

$$2T(\frac{h}{2}) + \Theta(n) = \Theta(n\log_n)$$

Worst - case for quickent: cheese the least or first element in a list as the prot, such that:

Pursine Sci our recoverie relation, choosing the 10th largest element in a list, such there;

Note the news one rendine for quickers one ar recomme relation are asyphetrically equal to one another.

Ordering Is the three Senctions Sum smullest to longest:

(\theta(n^2)), (\theta(n^2)) = (wered-case, our recommence relation)