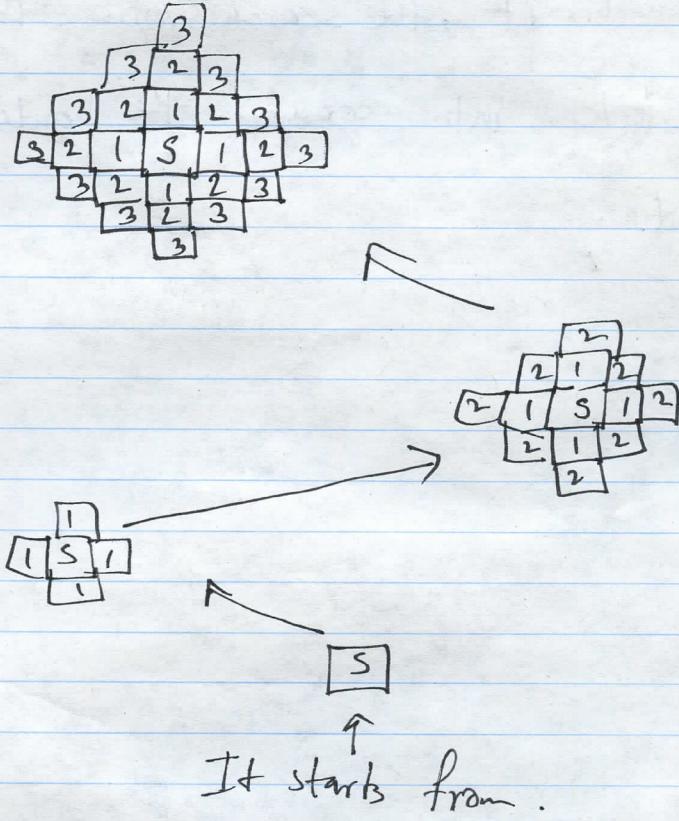


About  $k$ -nearest-neighbour-searcher function.



$S$  is the starting box and the numbers in the box represent the iteration no. at which they were explored. In this way, we manage to search explore all the boxes with same distance at the same time. Thus this KNN algorithm doesn't calculate compare distance of all the points on the grid with the from the query box. The iteration Hilroy