\* Shootest Poth Booken - Same approach as BFS for queue just we will keep the toack of path distance and backtrack as soon as use find the short path. We will use pointers to the toacking so that book- keeping is maintained. 269 - General Algorithm 0360 while queue: if current node = queue. popleft pathen while current node + o path. insert (o, current node) current node = part get (current node) ochurn path for neighbour in graph [current node] if neighbour not in visited queur append (neighbour) visited : add (neighbour) parent [neighbour] - current node ochwon [] I no path exists. 218 WOOD LITIX9 ama Complexity Analysis a ocar ocuses we are using two arrays which are both traversed only once. Hence we will run the program in linear time. O(m+n