first we will dake an empty list to hold the 2D away. Now we will iterate not time where it is now in away. The loop will indicative each with you with hold ealoums. Where it indialize all elements to None on O. Now will we will exist a list amo name yow. and append the our 2D lists

first we will create a dictionary. The keys of the dietionary will be used a mode numbers for from 0 to N. and the rabees with be lists containing tuples representing the neighboring modes and their containing adapt weights

Here we will do DAs, we will initialize a quine.

and an auxidiary array one name reisited. We will

also take a list mome as lofs tusult. Now we will

nun a while doop, and we will pop (0) and append

it in bifs nesult. Now we will nun a loop and

will sheet if the vertex is xisted as most if not

we will append in queve.

Tash 03

In this we will use dfs. first we will circulated a dist name graph. then we will circulate a auxidiary away xirited and a stock.

Now we will do a while loop tules I and a for loop when we will cheek up it's in the proph and if it's mot visited we will append it proph and if it's mot visited we will append it.

Tork-04

It is similar to tash 3. we down how to check on it condition endra here. It diss nesent is equal to list (1, num: enters +1) It will print "Yes" the it will print "Yes"

Here we will institutive a grown [1, [], g. if the Node eity the shortest Node er equal to the desalmented eity the shortest path will be path to the indust of that Node and it will brush.

Task-06 We will intralize a dist of. A and append now wit. We will create a 20 enouge so nome diss. Here we will check if gtrittet = 0" or not cef ichs mot resisted we will cold it to stack. eve mail intate intidire a ravidle named on more man-diamonds and dinonds to her it will increment IF 9[h] [y] >= 'D". After this we will reschoge et vond netwer mosemum diamond.