a) Ar algorithm

To find minimum Distance from Source to distination provided

10/10/20

Hewistic function as Euclidian distance

def euclid Distance (71, n,m).

dist = math. Agrit (n-1-x10)) + 2 + (m-1-x11) + 2).

return dist.

to find - snortest path.

def aston(north, n,m);

min Distance = 999.

next = []

foo x in nextPath;

if (eculid Dist (x,n,m) < min Distance);

min Distance = euclid Bistonaxi, n, m).

next = 11.

sution next.

find path.

def find Path (n,m):

Path append ([0,0])

(wovent = [0,0].

while (coverent] = [n-1;m-1]):

nentPath = [7]

```
for it in neighbows;
       a=[]
       a. append (coovert [o] +n(o])
       a append ( covent[1]+x[1])
       if acol> -1 and acolon and acil)-1
             and D[i] <m;
              if (mazerora) [aru]);
                   If a not in path and a not in
                                        closed path!
                          nentPath, append(a)
 1) [next Path):
       current = fundshootest Path (next Path, n, m)
         Path, append (wount)
         closed Path append (awount).
         path.pop()
         ib Poth:
            aworant = path [len (path) -1)
         else
            Print ("PAH' Cant be found")
             exit (o)
  else:
        Point (" Path and be found")
       enut(0)
```