self institute (self, voitin):

self il = win verken

self node our = []

self graph = defaultse(list)

det Edges (self, x, y): self. graph [x]. append [y)

det DLS (self, target, dipth, arr, sre);

- unanture preharing making

if sac == target:

ara append (sac)

seturn true

if dipth <=0: subserve false orn. append (sse)

for i in self graph [sac]:

if (self. DLS (i, target, depth -1, assi));

orehem true

ann-pop

metion false

G = Graph(7);

YAMAN S

```
g addedy (6,1)
g. addedge (0, 2)
g-addlige (or, 8)
g. ad dedge (1,4)
g. addedge (3,5)
g.addrogs(3,6)
 target : 8;
 depth = 68;
 59 C = 0
 if g DFS (sac, tagget, depth) = = tau;
   parint (" Sorace can death target")
   else :
   paint (" Source cannot wach larget ");
   paint (g.nodi)
```