```
Esup No 5
 Date
       Depth Flows dearch - Water Jug
                                   Problem
AIM
  To implement a python program for
water jug problem
Source code
   from collection imposit deque
   del DES (a, b, too get):
      m= 3}
      1920 lvable = False
       pak = []
       quero = deque ()
       9. append ((0,0))
      while (len (9) 20):
         U=q.poplet(1)
         if ((u[o], u[i]) in m):
            Continue
         0[0] 20 00 0[1] 20);
           Continue
       Path-append ([u[o], u[i])
         n[([1]0,[0]0)]=1
         if (ulo) == tagget on u[i] == tagget);
               13 Solvable = Tous
```

if (u[o] == toaget): if (o[i]!=1): path append ([v[o],o]) else: 15 (U[0]!=0): path. appoind ([o, v[i]]) Sz=len (path) foor 1 in sunge (9x): Paint (" (", path [;][0], ", ", Path [;][], break 9. append ([U[0], b]) q.append([a,u[i]]) Pos ap in sange (max (a, b) +1): 9. append ([c,d]) Jug 1 Jug 2 tauget = 4,3,2 DFS (Jugs, Jugs, touget)

Result

the Program of water Type

18 Successfully executed

6