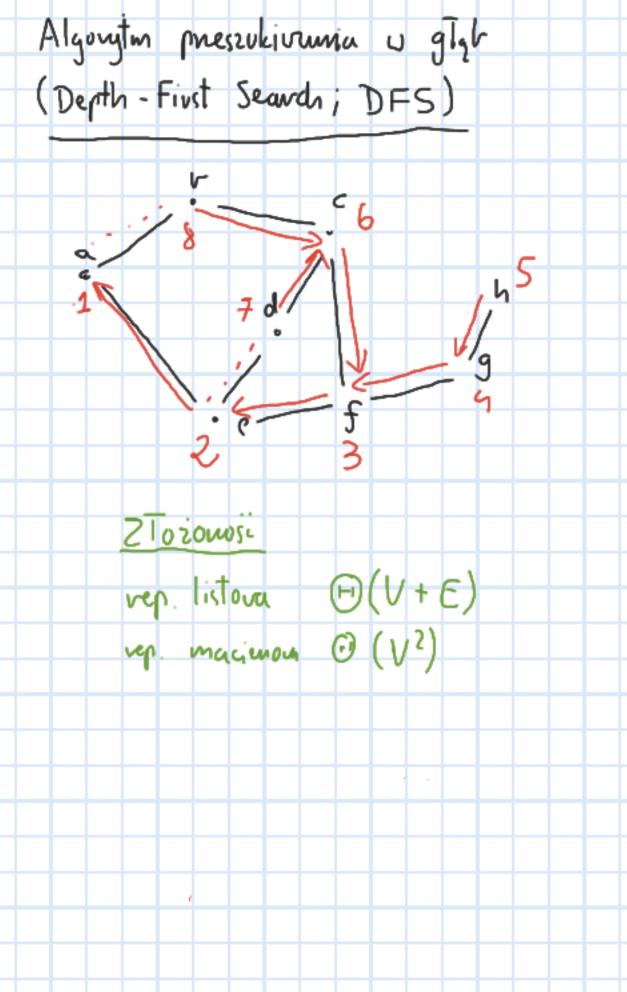


```
def BFS(G,s)
# G = (V, E)
                               n=len(V)
  Q = Queue ()
                               d = [-1 for v in runge(n)]
  for v ∈ V: v, visited = Falsc
                               visited = [ False for v in bange(n)]
  s. d = 0
                               pavent = None for v in vange(n)]
  s. visited = True
  S. pavent = None
  Q. put(s)
   uhile not Q is empty ():
                                ZToiomic BFS
    u = Q. get ()
     for v jut sysindem u:
                                - 1,sto va: (1) (V+E)
        if not v. visited:
                               - marien: (V2)
         v. visited = True
          v. d = u.d+1
          V. povent = U
          Q. put(v)
                   - veturn d, parent, visiled
```



DAG

