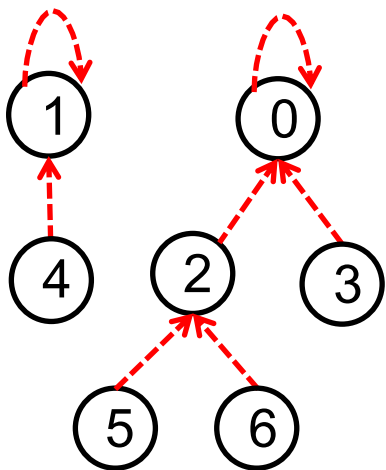




Belongs to a star

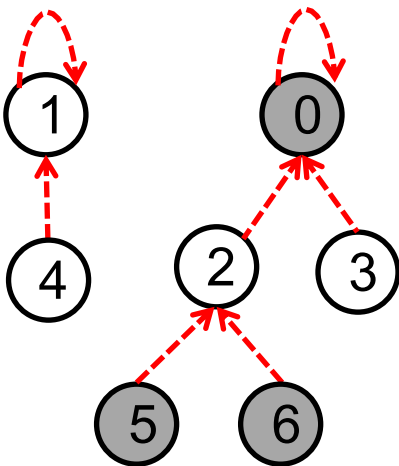


Does not belong to a star



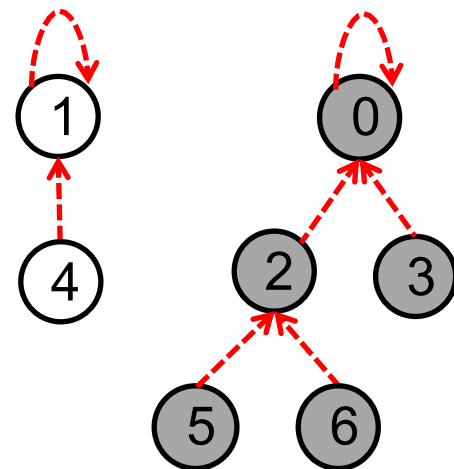
```
for v in V
  star[v] = true
// Every vertex
belongs to stars
```

(a) initialize



```
for v in V
  if f[v] != gf[v]
    star[v] = false
    star[gf[v]] = false
```

(b) Label all vertices except  
vertices at level 1



```
for v in V
  star[v] = star[f[v]]
// vertex 1 and 4
belong to stars
```

(c) Label vertices  
at level 1