22.4-2

nombre - chemins (5, t): chemins = Tablean Hachagel) DFS - chemins (5, t, chemins)

DFS - ohemins (u,t, chemins):

if u== t:

return 1

if chemins search (u):

return chemins get (u)

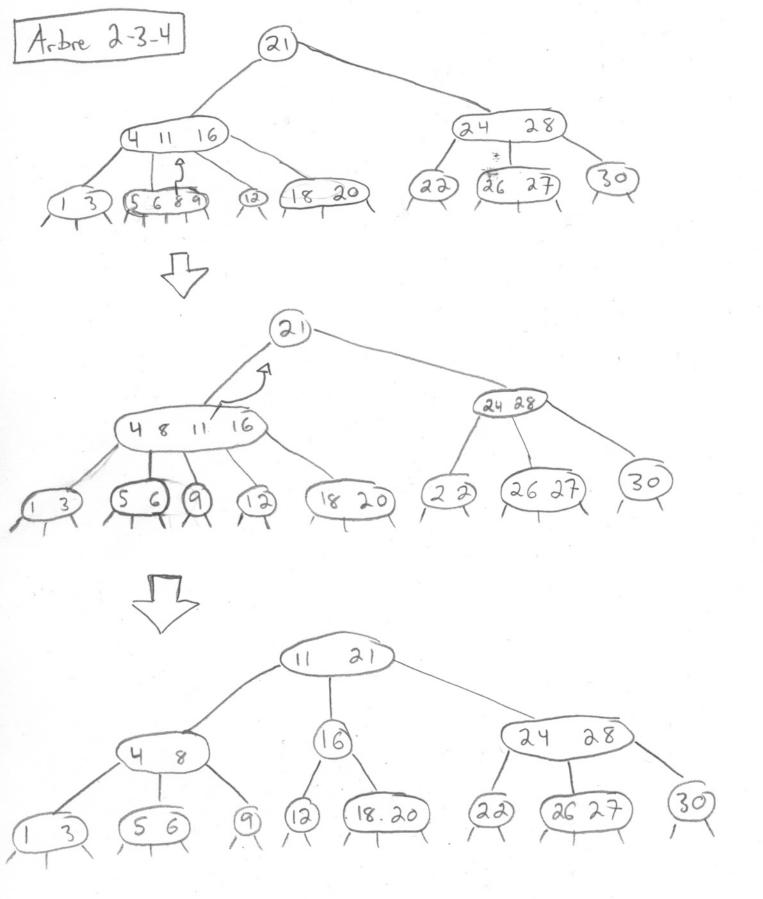
somme = 0

for x E sommets - adjacents (u):

somme += DFS - chemins (x,t, chemins)

chemins set (u, somme)

return somme



22.1-5 - Square

22.4 Reachobility

```
transpose (Adj):
   Adj = [0. n-1] # n=length (Adj)
    for j in Adj [i]:
                                vertex is visited
      Adj'[j].append(i)
                                edge is visited
                                 once
    Return Adi'
```

reachability (Adi, L) # L is the label function Adj' = transpose (Adj) levels = [1. n] # n = length (Adj) mins = [0. h-1] for v in Adj: | levels[L(v)] = V for v in levels: 5 = Stack() 5. push (v) While ! S.is-empty(): modified u = S.popl) DFS, if minsty == null: mins [u] = V for e in Adj' [w]: O(V+E) S. push(e)