TP3

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Exercise 7:

def parious (6, a):

pile = [a]

atteint = [a]

robile (pile):

comant = pile.pop()

for v in 6 t comant]:

if not v in atteint:

atteint. add(v)

return atteint

Exercise ?:

1) parcours (6, 6)

2)1. chem_existe (0, 6, 1)

2. Bob: len (parcours (0,6))
Alice: len (parcours (6,1))

3. nb-composanter (6)

3) a' faire en TD: 1. chemin (6,1, ville) 2. yele (g, depart)

(7)

Exercia 3: 1) def tresor (6, n): return G. node [m] ["tresor"] def max-tresor (G, L): m = tresor (G, L[0]) mend = L [0] faim L: if thesor (G,i)>m: m = tresor (a,i) mound = i The same of return nærd . 1 def parcours - tresor (G, n): pile = [m] atteint = { m} res = [] while (pile): comant = max-tresor (6, pile) pile. remove (courant) res. apperd (courant) for v in ot comant]. if w not in atteint: pile, append (v) return res

2

ience 4: 1) def est-convant (G, liste):
return all ([x in ty for y, - in liste] + [y for - 1y in liste] for a in G. nodes(1)] 2) def convant (6): return G. edges () 3) of plus-court (a): dep = 6. modes ()[0] pile = [dp] atteint = { dep } rest = set() while (pile): fa v in a tromant): ifornot in attent: atteint. add(v) pile. append (v) res. add ((comant, v))

return res