TPEXO2

April 9, 2020

[1]:
```
P = matrix([ ligne1, ligne2 ])
ligne1 = [0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0];
ligne2 = [0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0];
G = Graph([(extern, 'amazon')])
H = G.show()

Q = matrix([ ligne1, ligne2, ligne3, ligne4, ligne5, ligne6, ligne7, ligne8,␣
 ↪ligne9, ligne10, ligne11, ligne12, ligne13, ligne14, ligne15, ligne16 ])
ligne1 = [0,1,1,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne2 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne3 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne4 = [0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0];
ligne5 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne6 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne7 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne8 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne9 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne10 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne11 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne12 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne13 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne14 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne15 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne16 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
G2 = Graph([(extern, 'youtube')])
H2 = G2.show()

R = matrix([ ligne1, ligne2, ligne3, ligne4, ligne5, ligne6, ligne7, ligne8,␣
 ↪ligne9, ligne10, ligne11, ligne12, ligne13, ligne14, ligne15, ligne16 ])
ligne1 = [0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1];
ligne2 = [0,1,1,1,1,1,1,1,0,1,1,1,1,1,1,1];
ligne3 = [0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0];
ligne4 = [0,1,1,1,1,1,1,1,1,0,1,1,1,1,1,1,1];
ligne5 = [0,1,0,1,1,1,1,1,1,0,1,1,1,1,1,1,1];
ligne6 = [0,1,0,1,1,1,1,1,1,0,1,1,1,1,1,1,1];
ligne7 = [0,1,0,1,1,1,1,1,1,0,1,1,1,1,1,1,1];
ligne8 = [0,1,0,1,1,1,1,1,1,0,1,1,1,1,1,1,1];
```

```
ligne9 = [0,1,0,1,1,1,1,1,0,1,1,1,1,1,1,1];
ligne10 = [0,1,1,1,1,1,1,1,0,1,1,1,1,1,1,1];
ligne11 = [0,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1];
ligne12 = [0,1,0,1,0,0,0,0,0,0,1,0,0,0,0,0];
ligne13 = [0,1,0,1,1,1,1,1,0,1,1,1,1,1,1,1];
ligne14 = [0,1,0,1,1,1,1,1,0,1,1,1,1,1,1,1];
ligne15 = [0,1,0,1,1,1,1,1,0,1,1,1,1,1,1,1];
ligne16 = [0,1,0,1,1,1,1,1,0,1,1,1,1,1,1,1];
G3 = Graph([(extern, 'cnrs')])
H3 = G3.show()

    Somme = M.shape();
    m=k
    for n in range(m):
            Somme = Somme + Mn ;
    clics = True
        m=Somme
    for i in range(n):
            for j in range(n):
            if Somme[i,j] == 0:
                clics = false;

    if clics == False:
            show (" On eut pas atteindre toutes les pages à partir de n'importe␣
↪quelle page en moins de" ,k, "  clics ") ;
    else:
        show (" On peut atteindre toutes les pages à partir de n'importe quelle␣
↪page an moins de ", k, " clics ") ;
```

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  File "<ipython-input-1-5d7e469e3fa9>", line 47
    Somme = M.shape();
    ^
IndentationError: unexpected indent
```