Rapport du graphe

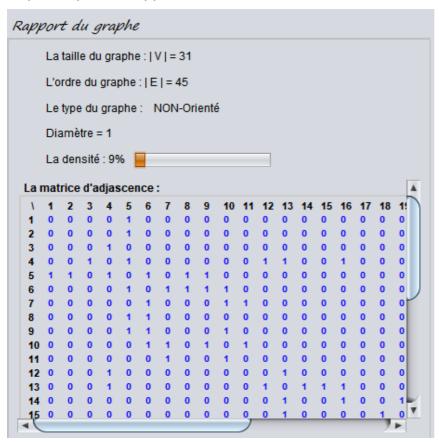
La taille du graphe : | V | = 31 L'ordre du graphe : | E | = 45 Type du graphe : NON-Orienté

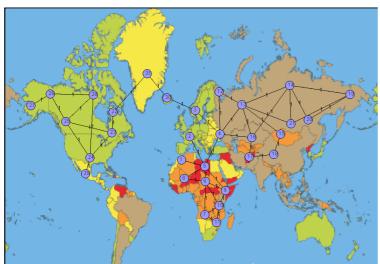
Diamètre = 1 La densité : 9%

La matrice d'adjascence :

0|0|0|0|0|0|0|0|0|0|0|0|1|0|0|1|0|0|1|1|1|1|0|0|0|0|0|0|0|0|0|0 0|0|0|0|0|0|0|0|0|0|0|0|1|0|0|0|1|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|0|1|0|1|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|1|0|1|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|1|0|0|0|0|1|1|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|1|0|0|0|1|0|0|0|0|0|0|0|0|0|0|0|0|0|0 0|0|0|0|0|0|0|0|0|0|1|1|0|0|0|1|1|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0

Captures pour le rapport :





Application des algorthmes

[1 5 2 4 3 30 31 22 23 24 25 26 27 28 29 12 13 14 16 17 18 15 19 20 21 6 7 10 9 11 8]

```
|-----Prim------|
Arrêtes Côuts
-1-: 5 - 2
-2-: 4-3 1
-3-: 5-4 1
-4-: 1-5
-5-: 5-6 1
-6-: 6-7 1
-7-: 5-8 1
-8-: 5-9 1
-9-: 6-10 1
-10-: 7 - 11 1
-11-: 4-12 1
-12-: 4 - 13 1
-13-: 13 - 14 1
-14-: 13 - 15 1
-15-: 4 - 16 1
-16- : 16 - 17
-17-: 15 - 18
-18- : 14 - 19
-19-: 14 - 20
-20-: 13 - 21
-21-: 31 - 22
-22-: 22 - 23
-23- : 23 - 24
-24-: 23 - 25
-25-: 25 - 26
-26- : 26 - 27
-27-: 24 - 28
-28- : 24 - 29
-29-: 3 - 30 1
-30-: 30 - 31
=> ACM = 30
|-----Kruskal-----|
Arrêtes Côuts
-1-: 1 - 5
-2-: 2-5 1
-3-: 3-4 1
-4-: 3-30 1
-5-: 4-5 1
-6-: 4-12 1
-7-: 4-13 1
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-8-: 4-16 1
-9-: 5-6 1
-10-: 5-8 1
-11-: 5-9 1
-12-: 6-7 1
-13-: 6-10 1
-14-: 7-11 1
-15-: 13 - 14 1
-16- : 13 - 15
-17-: 13 - 21
-18- : 14 - 19
-19- : 14 - 20
-20-: 15 - 18
-21- : 16 - 17
-22- : 22 - 23
-23-: 22 - 31
-24- : 23 - 24
-25-: 23 - 25
-26- : 24 - 28
-27- : 24 - 29
-28- : 25 - 26
-29-: 26 - 27
-30-: 30 - 31
=> ACM = 30
|-----Floyd-Warshall------
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La matrice s'affiche les plus courts chemins entre 2 sommets :

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1 | 2 | 3 | 3 | 4 | 5 | 4 | 4 | 1 | 0 |
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```
Historique des algorthmes
|-----BFS-----|
  Sommet de départ est : 1
[1 5 2 4 6 8 9 3 12 13 16 7 10 30 14 15 21 17 11 31 19 20 18 22 23
24 25 28 29 26 27 ]
|-----Prim------|
Arrêtes Côuts
-1-: 5-2 1
-2-: 4-3 1
-3-: 5-4 1
-4-: 1-5 1
-5-: 5-6 1
-6-: 6-7 1
-7-: 5-8 1
-8-: 5-9 1
-9-: 6-10 1
-10-: 7-11 1
-11-: 4-12 1
-12-: 4 - 13 1
-13-: 13 - 14 1
-14-: 13 - 15 1
-15-: 4 - 16 1
-16-: 16 - 17 1
-17-: 15 - 18 1
-18-: 14 - 19 1
-19-: 14 - 20 1
-20-: 13 - 21 1
-21-: 31 - 22 1
-22-: 22 - 23 1
-23-: 23 - 24 1
-24-: 23 - 25 1
-25-: 25 - 26 1
```

-26-: 26-27 1 -27-: 24-28 1 -28-: 24-29 1 -29-: 3-30 1 -30-: 30-31 1