

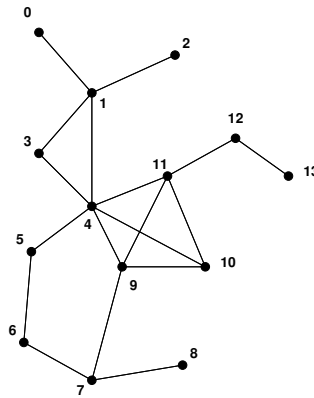
M2 – NSD (Exercises 2)

Algorithms: distances and triangles

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Exercise 1 — *Breadth First Search*

We compute two Breadth First Search from nodes 4 and 7. In each case, the result is stored in a table indicating the father of each node. Write the result tables and draw the corresponding BFS trees.



Exercise 2 — *Triangles enumeration*

Apply the triangle counting algorithms seen during the course (Algo. 3 and 4) to the following graph. Compare the number of incrementations made in both cases.

