University med khidder Biskra

Department of computer science

Module: graph theory.

TDII

Exercice n°1

Let G be a graph represented sagittally as follows:

1. Provide a representation of G using precedence and succession dictionaries.
2. Provide all the elementary and simple cycles in G.
3. Provide a possible planar representation using generation levels.
4. Using Prim's and Kruskal's algorithms, provide a minimum spanning tree

