

Module 6: Graph Algorithms - Quiz(Chapter-1)

Dr.N.Sairam & Dr.R.Seethalakshmi
School of Computing,
SASTRA Univeristy,
Thanjavur-613401.

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Chapter 1

Quiz(Module-4 Chapter-1)

1.1 Questions

1. Using the graph coloring algorithm given in the lecture material, check whether there exists a valid coloring exists for the following figure if the number of colors is two.

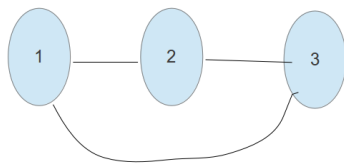


Figure 1.1: Given graph

2. Write the overall time complexity of the parallel graph coloring algorithm discussed in the lecture material.