

◀ Back to Chapter

≡ | 
 < Previous 
 Next >

☐ Disjoint Set ▶

☒ The Depth First Search Algorithm in Graph ▼

☒ Overview of Depth-First S...

☐ Traversing all Vertices – D...

☐ Traversing all paths betw...

☐ Find if Path Exists in Graph

☐ LeetCode 1971 - Find if P...

☐ All Paths From Source to T...

☐ LeetCode 797 - All Paths ...

☐ Clone Graph

☐ Reconstruct Itinerary

☐ All Paths from Source Lea...

vertices `[A, C, D, B, E]`. Given two vertices `A` and `B`, there are two paths between them. One path is `[A, C, D, B]`, and the other is `[A, E, B]`.

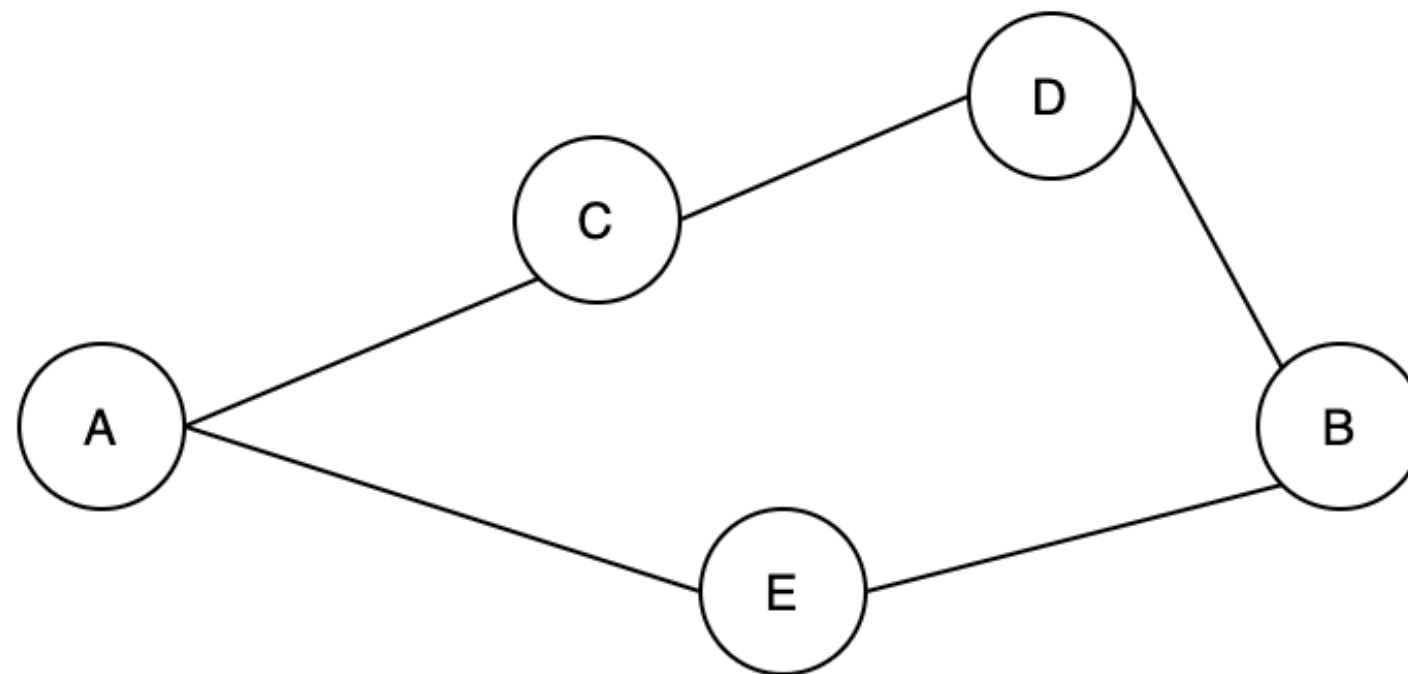


Figure 7. An undirected graph

In Graph theory, the depth-first search algorithm (abbreviated as DFS) is mainly used to:

1. Traverse all vertices in a "graph";
2. Traverse all paths between any two vertices in a "graph".