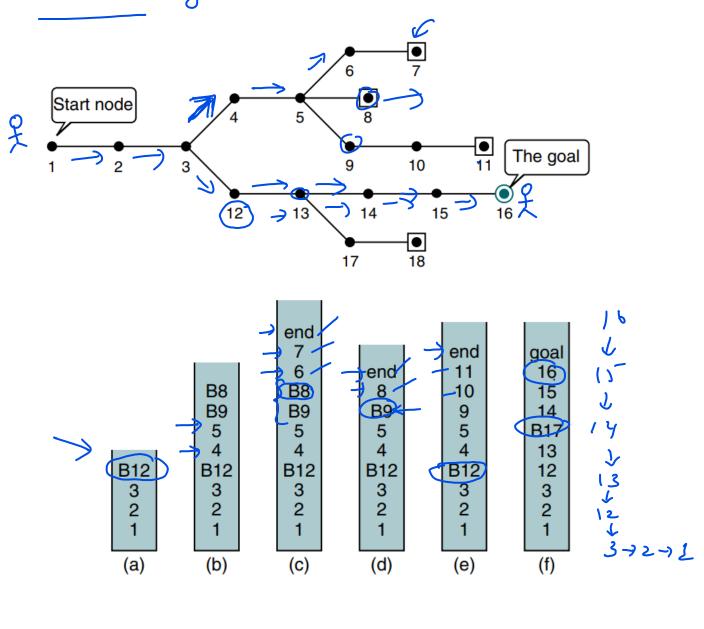
Backtracking



```
Algorithm seekGoal (map)
This algorithm determines the path to a desired goal.
  Pre a graph containing the path
  Post path printed
1 createStack (stack)
2 set pMap to starting point
3 loop (pMap not null AND goalNotFound)
  1 if (pMap is goal)
     1 set goalNotFound to false
  2 else
1 pushStack (stack, pMap)
     2 if (pMap is a branch point)
        1 loop (more branch points)
           1 create branchPoint node
           pushStack (stack, branchPoint)
        2 end loop
     3 end if
      4 advance to next node
                                 O (IVI +IEI)
     end if
4 end loop
5 if (emptyStack (stack))
  1 print (There is no path to your goal)
6 else
     print (The path to your goal is:)
  2 loop (not emptyStack (stack)) \( \square\)
     popStack (stack, pMap)
     2 if (pMap not branchPoint)
         1 print(map point)
        end if
  3 end loop
  4 print (End of Path)
7 end if
8 return
end seekGoal
```