Our Solution(s) Run Code

Solution 1 Solution 2

```go
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package main

type Dep struct {
  Prereq int
  Job    int
}

// O(j + d) time | O(j + d) space
func TopologicalSort(jobs []int, deps []Dep) []int {
  jobGraph := createJobGraph(jobs, deps)
  return getOrderedJobs(jobGraph)
}

func createJobGraph(jobs []int, deps []Dep) *JobGraph {
  graph := NewJobGraph(jobs)
  for _, dep := range deps {
    graph.AddDep(dep.Prereq, dep.Job)
  }
  return graph
}

func getOrderedJobs(graph *JobGraph) []int {
  orderedJobs := []int{}
  nodesWithNoPrereqs := []*JobNode{}
  for _, node := range graph.Nodes {
    if node.NumOfPrereqs == 0 {
      nodesWithNoPrereqs = append(nodesWithNoPrereqs, node)
    }
  }
  for len(nodesWithNoPrereqs) > 0 {
    node := nodesWithNoPrereqs[len(nodesWithNoPrereqs)-1]
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```go
package main

type Dep struct {
  Prereq int
  Job    int
}

func TopologicalSort(jobs []int, deps []Dep) []int {
  // Write your code here.
  return nil
}

```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.