

1. Undirected Graph

I use Kruskal's algorithm to grow a minimum spanning tree. While growing the tree, I add edges by weight in nondecreasing order. Therefore, I can then remove edges with minimum weight.

2. Directed Graph

I use Kruskal's algorithm and modified DFS(used to detect cycles when traveling) for this task. Once a cycle is detected, I remove it and then put edges with positive weight back to the graph.