

Condominium water network

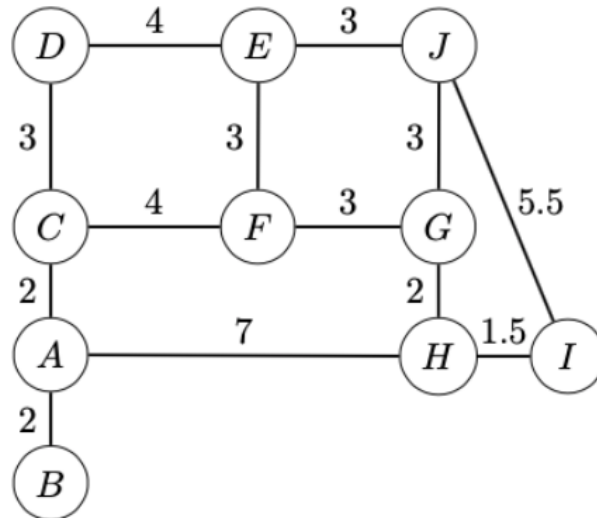
Difficulty level: beginner

Keywords

- Graph theory
- Undirected graphs
- Kruskal's algorithm

Problem description

In a condominium there are ten apartments, indicated with the letters from A to J. In the condominium water network, as shown in the graph below, there are the following pipes, each one long a certain number of meters. Which pipes to actually use to minimize the path that the water must make to reach all the apartments in the condominium?



Tasks

1. Solve the problem by applying Kruskal's algorithm.