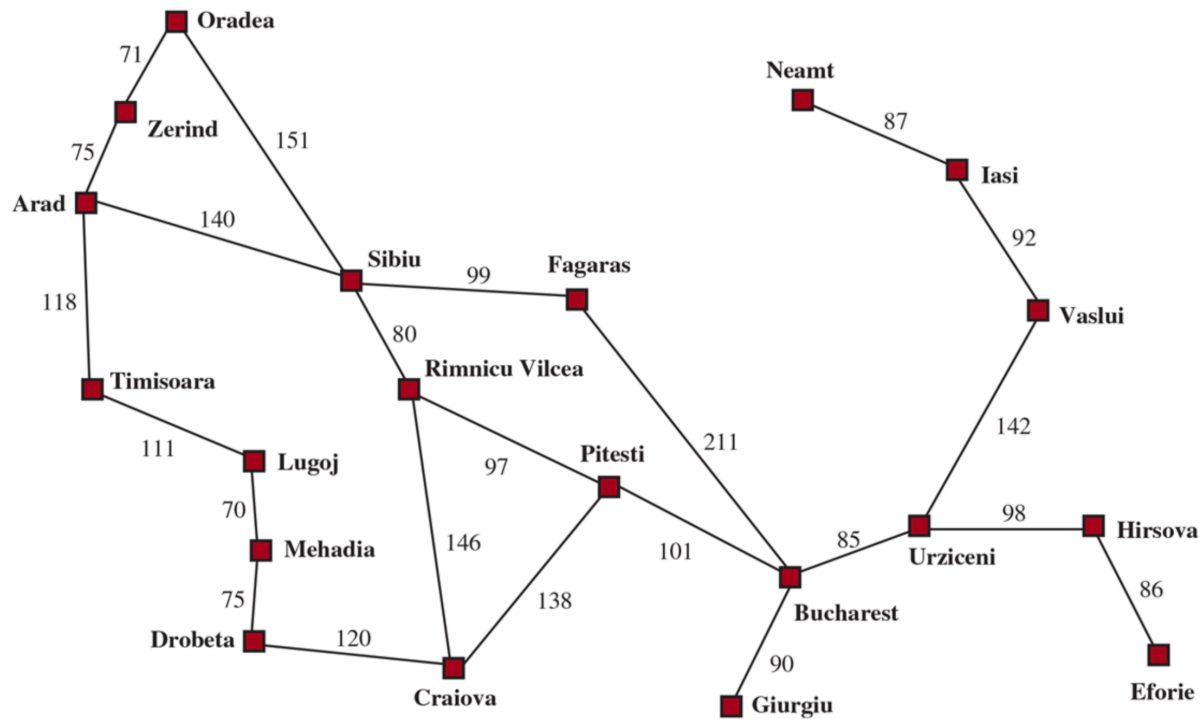1. Considering the map of Romania, find the path from **Arad** to **Bucharest**, using uniform cost search (UCS) Give number, starting from 1, to each node in the order of expansion.

A simplified road map of part of Romania, with road distances in miles.

Solution: