**Homework1: Search and Planning**

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**For HW1 Part1:**

The result provides shortest possible route that visits each city and returns to the origin city (assume we start from ﻿St. Stephan's Cathedral, Austria and return to the same city in the end). Instead of giving out the number result as RBFS function usually do, I made a little improvement and switch the result to the real name of each location. In this way, it is much more convenient for the users.

My data result for part1 is:

﻿*St. Stephan's Cathedral, Austria -> Brugge, Belgium -> Edinburgh, Scotland -> Teide, Spain -> Montreal, Canada -> Brisbane, Australia -> Itsukushima Shrine, Japan -> Shanghai, China -> Tallinn, Estonia -> Stockholm, Sweden -> St. Stephan's Cathedral, Austria*

**For HW1 Part2:**

The result calculates the shortest path from Oradea to Hirsova using RBFS function.

My data result for part2 is:

The shortest path from Oradea to Hirsova is 612.