Optimizing the Campus Route

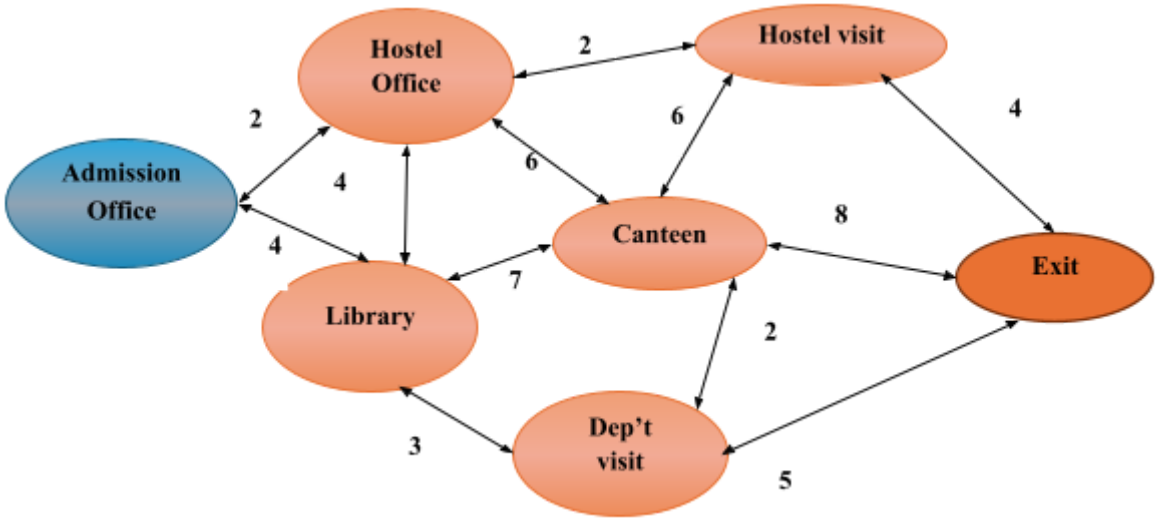
Rohan, a new university student, must complete several admission-related tasks starting from the Admission Office and ending at the campus exit. His mission includes:

1. Completing registration procedures at the Admission Office (starting point)
2. Completing hostel office procedures
3. Hotel facility visit
4. Refreshing himself at the campus canteen
5. His own department check in
6. Library visit
7. Exiting the campus (final destination)

The objective is to determine the most efficient route while ensuring that Rohan navigates through all the required locations exactly once, starting from the Admission Office and concluding at the campus exit.

Given:

- The locations of the Admission Office, Hostel Office, Hostel, Campus Canteen, Department, and Library within the university campus
- The walking distances between each pair of locations
- The campus exit point
- The student's need to manage time and energy efficiently



Use the following algorithms to find the optimal path.

- ***Iterative Deepening A* Algorithm***
- ***Hill Climbing algorithm***