Artificial Intelligence

Project 1:

Consider the problem of driving from the city of Telavi, to the city of Sokhumi. Please:

1. Formulate the problem for both uninformed and informed situations.
2. By writing a software:
   a) Apply the iterative deepening depth-first based bidirectional search algorithm to find the optimal path for achieving the goal city of Sokhumi in uninformed situation.
   b) Apply the A-Star search algorithm to find the optimal path for achieving the goal city of Sokhumi in informed situation.
   c) Compare time and space complexity values of both methods.