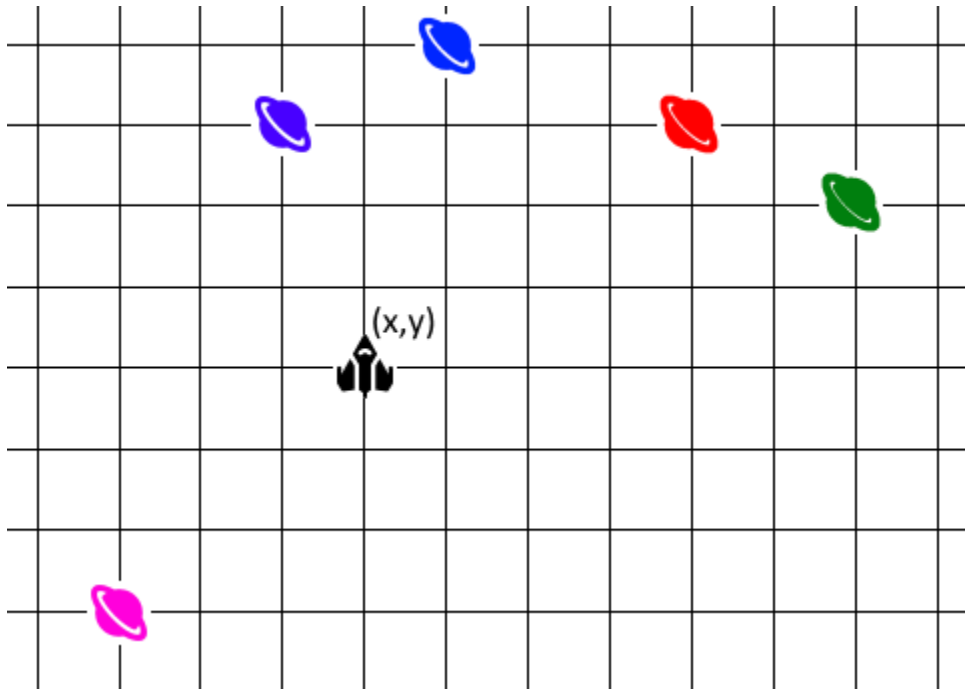


## Spaceship autopilot problem

You are a software developer in Star Wars universe and you are hired by [Han Solo](#) to extend his spaceship autopilot computer with a function of finding shortest route to visit all [destinations](#) from the list. Han Solo would not be able to verify that the route is absolute short, but he will certainly get angry if navigation fails on a simple set.



## Requirements

- Implement function provided in the attachment to find shortest route given current coordinate and list of destinations. You can't change the signature of the function.
- Universe is two dimensional, coordinates are represented by  $(x, y)$  where  $x$  and  $y$  are integers
- Destinations in the list are unique
- There is no need to return to the initial point
- Supplied test (8 destinations) should pass within few seconds max. Faster solutions will be marked higher
- Solution code should be production-like quality and show proficiency in the chosen language
- For this assignment it's not allowed to use any third party libraries except what already used in the project
- There are multiple solutions to the problem, try to be realistic what can be achieved in few hours