





 Input





 Output

 of satifaction and the obtained
the path found more than once.

 Hint: Set up yovir solution for rumning a
for all test cases

## Sample Inpui

$\begin{array}{rl}19 & 40 \\ 0 & 0 \\ 5 & \text { UpV Universitat Politecnica de Valencia } \\ 5 & \text { SpV Contest hatel }\end{array}$ contest hotel
The objiect
Ther $\substack{\text { The obb } \\ \text { Operd } \\ \text { Neme }}$

$\qquad$




Upv Universitat Politecnica de valencia
spv Hotel Siliken Puerta de valencia






 | spy |
| :---: |
| spy |
| spy |
| spo sp |
| spy |



Map 2 In ine
Inposibe
Imposibie e!

