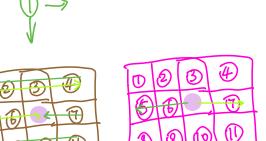


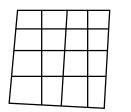
Worm h ≥les

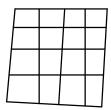


Bulb / None/ Wormhole/ 2

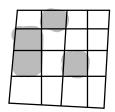
Puzzle Creating Logic: ① Initialization:

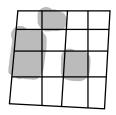
Hven size (eg: 4x4) -> 2 empty grids.



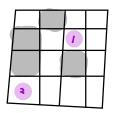


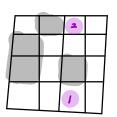
P Add Walls (Black Square)
given percentage of black squares (25%)





B Add wormholes in empty cells # is selected by user
1/2?





Add light bulbs add in @ untill no @ is { empty not lit by othe bulbs. * yoriority: { Dempty Cells adja cent to Walls— ceasy to use # in black squares to restrict bulbs' location >

According to randomly add light w

higher probability to be

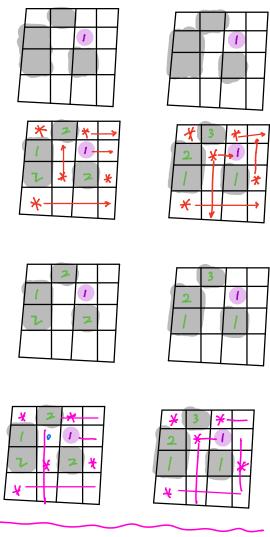
(empty cell = no { wall light bulb) worm hole

Add numbers on Walls:

based on Difficulty { easy : Record # on all walls hard : Remain some walls without #

6 Verify whether it is unique solution

if yes: Print puzzle & solution no: redo @3 @3



Unique solution example

Solve Logic:

