LEVEL 4

From: chief.of.operations@toxic-company.com
Subject: Your third promotion

You've been promoted to "Junior Room Planner", and we expect better results than your predecessor.

Your new responsibility is to set up the CCC rooms, not just place desks in storage. This is a critical role, as participants will need adequate space around the desks for seating.

Reply   Forward

- Desks are no longer allowed to touch each other. Diagonal connection also counts as touching

- Desks are allowed to touch the walls

- **For each room place the given number of desks in that room**

- The given number of desks is the maximum number that is possible

- It is no longer necessary to assign IDs to the desks

CLOUDFLIGHT CODING CONTEST

Hint: There is a visualizer.html in the input folder.
You can use it to visualize and play around with desk positioning.

LEVEL 4

Input

Name	Description	Example
N	Number of rooms	*format identical to previous level*
Room (repeated N times)	Three space separated integers representing a room First integer: x room length **(min room length is 4)** Second integer: y room length **(min room length is 4)** Third integer: number of desks	3 7 5 6 6 8 6 9 7 10

Output

Name	Description	Example
Room (repeated N times)	A matrix of characters, with y rows and x columns **'X' represents a desk** **'.' represents no desk**	X.X.X.X X.X.X.X X.X.X.X .... XXX.XXX X.X.X. X.X.X. X.X.X. ...... X.X.X. X.X.X. X.X.X. ....

Happy 40th
Coding Contest

CLOUDFLIGHT
CODING
CONTEST

#WeLoveSoftware
u too? cloudflight.io/career

Room Planner