

main():

read input from file

built light object

for each command

- check if legal command

- if so, change lights accordingly

return number of activated lights

(0,0)

(L,0)

class Light():

~~init~~ (self, L):

self.side = L, self.grid = [ ]

(0,0)

(L,0)

for i in range(L):

myline = [False for j in range(L)]

self.grid.append(myline)

on(self, x1, y1, x2, y2):

for i in range(x1, x2+1):

for j in range(y1, y2+1):

if i < self.side & j < self.side:

self.grid[i][j] = True

off(self, ...):

self.grid[i][j] = False

switch(self, ...):

self.grid[i][j] = not self.grid[i][j]