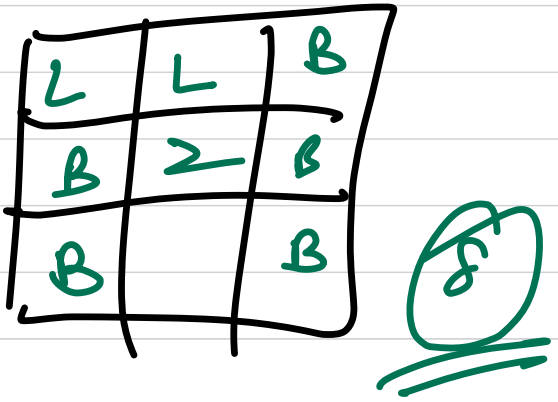
We will start @ 12:40



2 L K B

1 2 0 9

B → arrange is huge

q

L, R, 2 ⇌ l + r + 2 ≥ m × n

m × n

l + r + 2 < m × n

if s == 0

l + r + 2

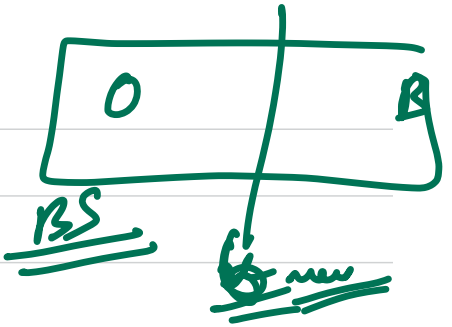
LLL ..... RRR ... 222

LLL ..... 222 ..... RRR

LLL 22

..... 22 ..... RR

2 B 2 . L B R



maximum no. of B's we can place

↳ $f(x) \rightarrow$ is true if all L's R's 2's & x b properly can be in the theatre

$x_1 > x_2$

$f(x_1) \longrightarrow f(x_2)$

f(b)

$d + r + 2 + b \leq mN$

N [B _ B _ B _ B - - - -]

$b \leq N * \lceil \frac{m}{2} \rceil$

c seats

B _ _ _ B   B _ B

B _ B

b > 0

B _ _ _ _ _ B

for a row → b people for both corner.

atleast b-1 seats empty in a row

$$l + r + (2b-1) \le M$$

$$l + r + b + (b - N) \leq m$$

L L L L . . . . L B _ B _ B . . . RR R R . . R

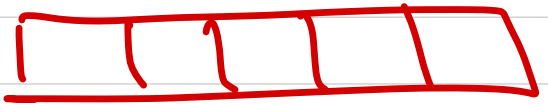
L (l) | 2b−1

N rows

$b \leq N$ → on b each row

$b > N$ → $b - N$ → gaps

0 → gaps



M+1 Grooves

$(M+1)N \rightarrow$ Total

$$l + r + 2b \leq (M+1)N$$

$$l + r + 2b \leq MN + N$$

$$l + r + 2b - N \leq MN$$

$$l + r + b + (b - N) \leq MN$$

$f(6)$ → Time

$l + r + 2 + b \leq mN$

$b \leq N \times \left\lceil \frac{m}{2} \right\rceil$

$l + r + b + (b - N) \leq mN$

$f(mid)$

B . B . B –

seats

B ___ B

↳ L, R

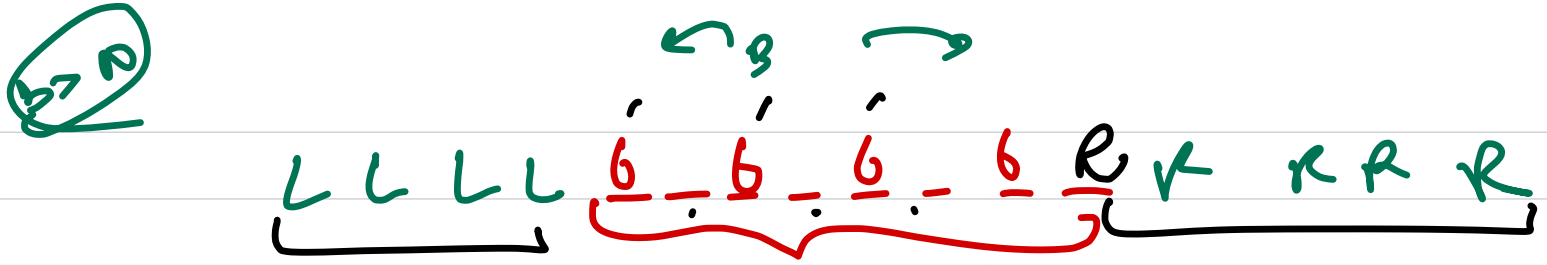
C → L's

C → R's

2 2

B + (B-1)

↳ Spaces


b > R
g
L L L L b b b b R R R R R
b
b ≤ n
k → b's
(k-1) → spaces
l + r + b + bN ≤ m
log b
l + r + b + b - 1 ≤ m
l + r + 2b - 1 ≤ m

$$l + r + 2 + b \leq mN$$

$$l + r + 2 \neq mN$$

$$b \leq N \times \left\lceil \frac{m}{2} \right\rceil$$

b may

$$l + r + b + (b - N) \leq mN$$

$$\rightarrow \quad b \leq mN - l - r - 2$$

$$b \leq N \times \left\lceil \frac{m}{2} \right\rceil$$

$$b \leq \left\lfloor \frac{(m+1)N - L - R}{2} \right\rfloor$$

$$b \leq \min\left(mN - l - r - 2,\ N \times \left\lceil \frac{m}{2} \right\rceil,\ L\ \frac{(m+1)N - L - r}{2}\ J \right)$$

N×M, d+r+2 +

$$\min\left(\frac{3}{2}MN - d - r - 2,\ N \times \left\lceil \frac{M}{2} \right\rceil,\ d + \left\lfloor \frac{(M+1)N - d - r}{2} \right\rfloor\right)$$

N M 2 d R 6

3 3 1 2 0 9

$3 \times \left\lceil \frac{3}{2} \right\rceil$

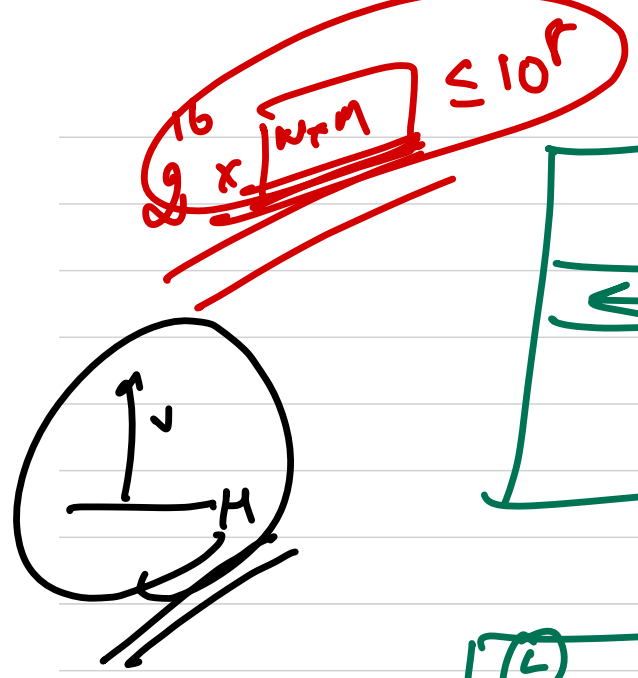
$\min\left(9,\ 3 + \min(9, 6, 6, 5)\right)$

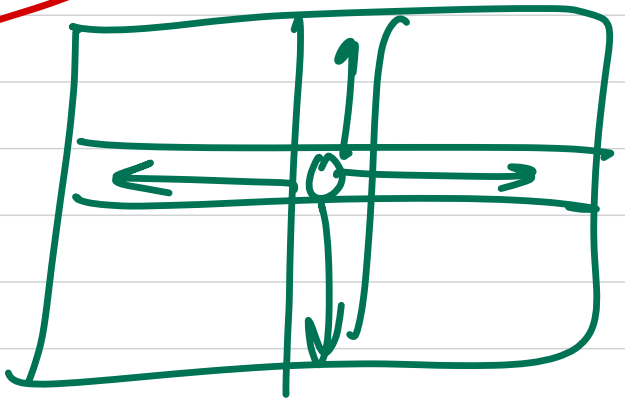
$\frac{4 - 2 - 0}{2}$

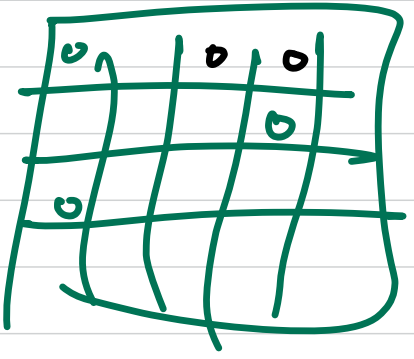
8

$N \times \left\lceil \frac{M}{2} \right\rceil \to \left(\frac{M+1}{2}\right) \times N$ (2×3)

$9 - 2 - 0 - 1$


16
9 x
INT
≤ 10^9
V
H






3^16
10
2