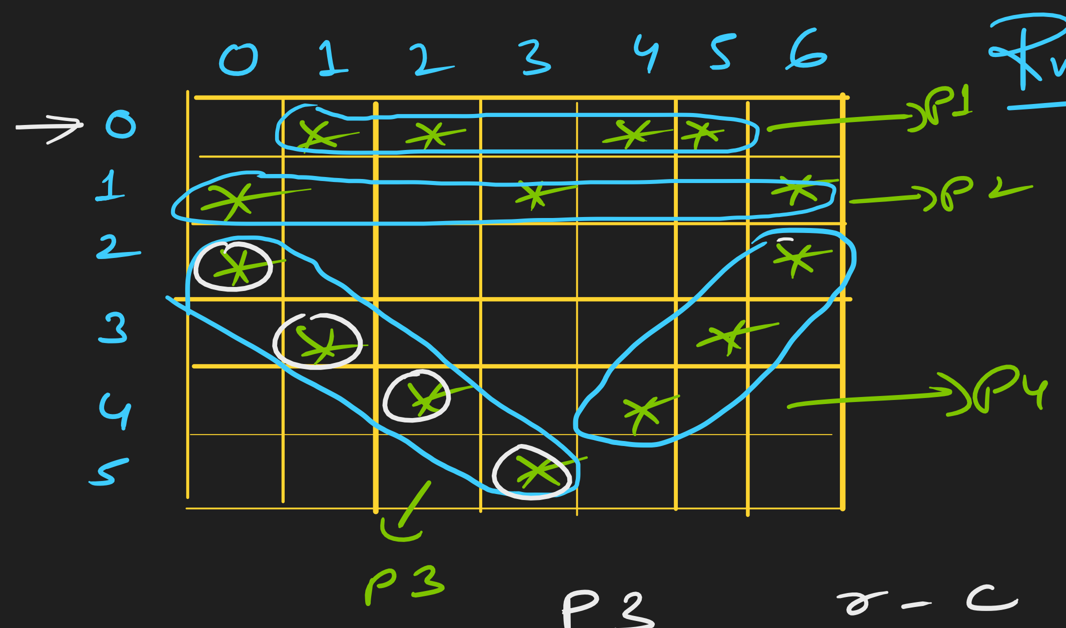
Heat Pattern:→ Static Pattern:→ r=6 c=7



Rule1: [Break into similar smaller parts]

P1 r==0 c 1, 2, 4, 5

&& c%3 != 0

P2 r==1 c 0, 3, 6

&& c%3 ==0

P3 r-c ==2

2-0 = 2
3-1 = 2
4-2 = 2
5-3 = 2

P4 r+c ==8

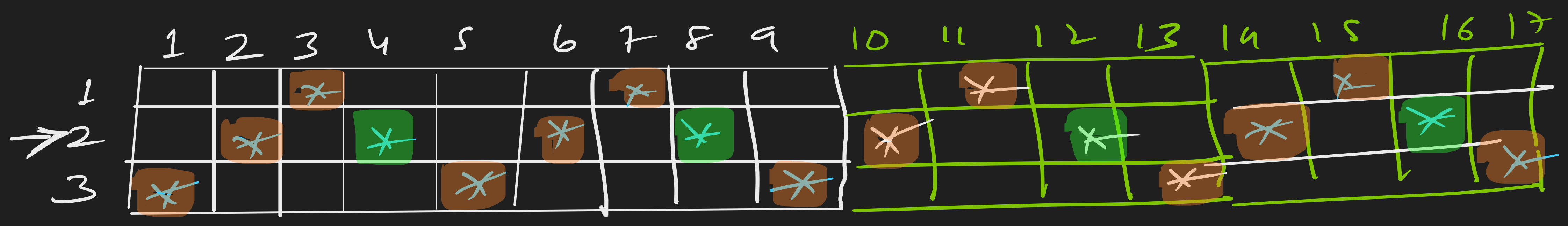
2+6
3+5
4+4

" * "

" "

Zig Zag Pattern:→ (Dynamic Pattern) [2 mins]

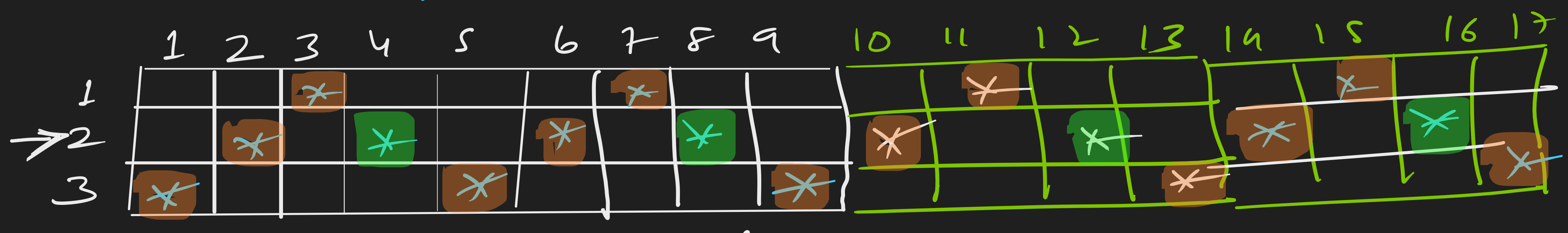
row is constant = r = 3 c = 9, 13, 17, 21,



G1:→ 🟫 → (r+c)%4 ==0

G2:→ 🟩 → (r==2 && c%4==0)

Rule 2: If time is less — don't follow Rule 1



cols

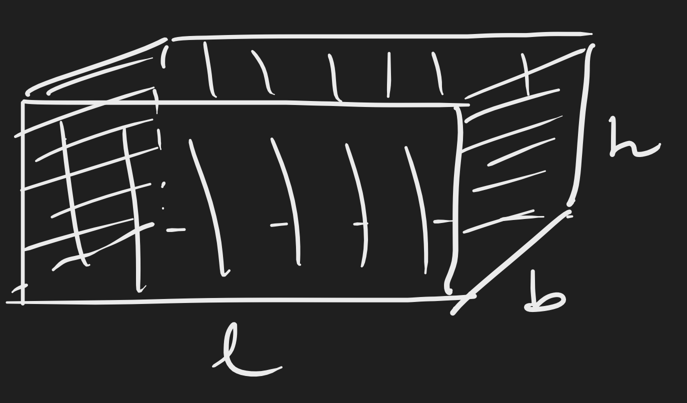
R1 → 3, 7, 11, 15 = c%4 ==3

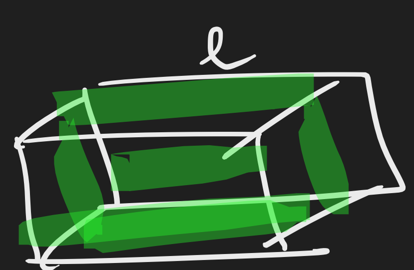
R2 → Even Numbers = c%2 ==0

R3 → 1, 5, 9, 13, 17 = c%4==1

④

- ✓* square of a number.
- ✓* Total Surface Area → Cube / Cuboid ✓
- ✓* Volume of a Cylinder → $\pi r^2 h$
- ✓* TSA of a Cylinder → $2\pi r(r+h)$

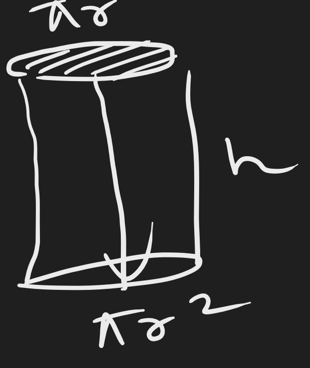




6 square faces

6 × l×l

(6 l^2)

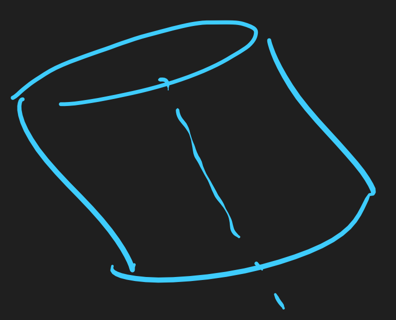


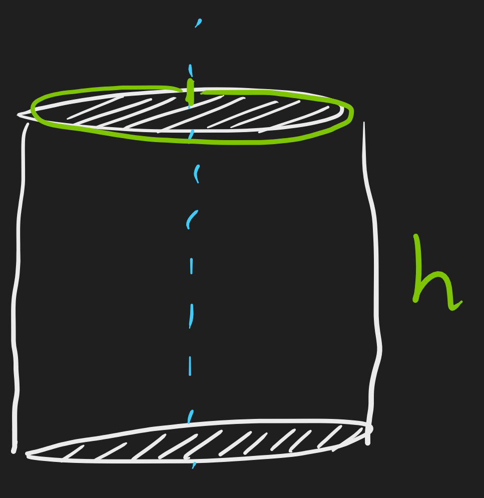
$\pi r^2 \times h$

3.14

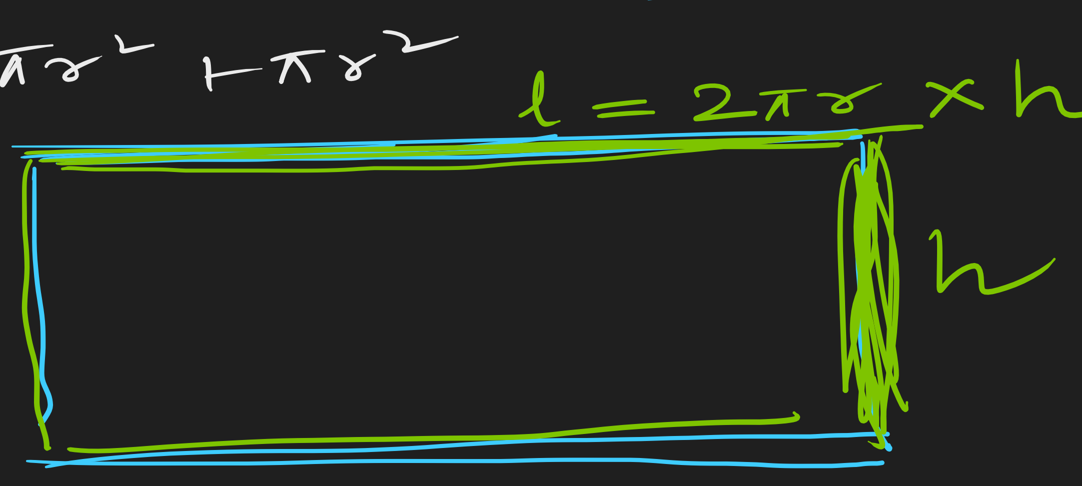
l×b + l×b + b×h + b×h + l×h + l×h

2lb + 2bh + 2lh = 2(lb + bh + lh)





$\pi r^2 + \pi r^2$



$\pi r^2 + \pi r^2 + 2\pi r h$

$2\pi r^2 + 2\pi r h$

$2\pi r(r+h)$ "