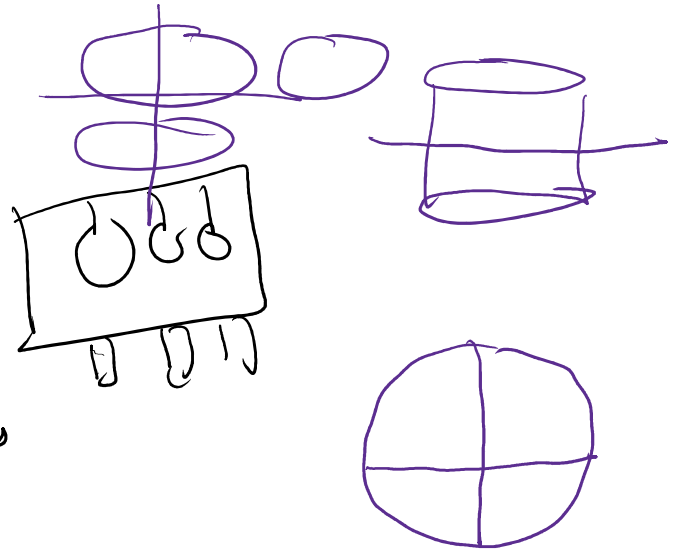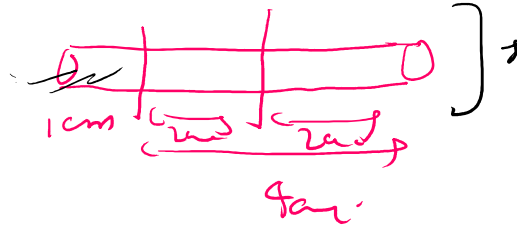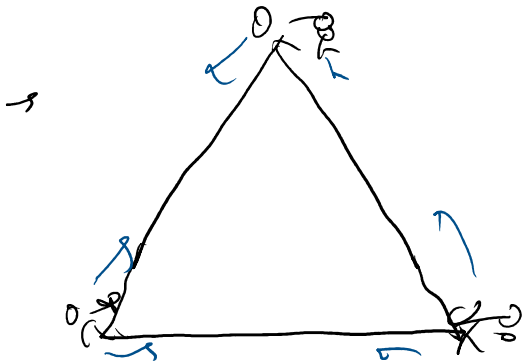→ 3 electric bulbs

→ Circular cake, 8 equal pieces
3 cuts

→ 5cm gold rod

Day 1 — 1cm
Day 2 → 2cm
Day 3 → 2+0
Day 4 = 2+2
D → 5 →

1cm
1day

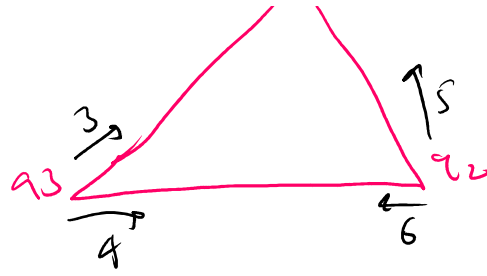What is the pros.
that they will
collide -

2

2 × 2 × 2

154
1 63
1 64

$2 \times 2 \times 2$

$\boxed{2 \times 2 \times 2}$

q_3 ⟋3 ⟍ ↑5
⟍ q_2
4 ← 6

1 64
1 5 3

$P(\overline{\text{collision}}) = \dfrac{2}{2^3} = \boxed{\dfrac{1}{4}}$

$1 - \dfrac{1}{4} = \boxed{\dfrac{3}{4}}$ ⁶

2 6 3
2 6 4
2⁵ 3
2⁵ 4

⟶ 10 coins
⟍
5 head   5 tail

H HH   HH
TT   TTT   ⟶ TT
                    HHH

HHHH T { TTTT H ⟶
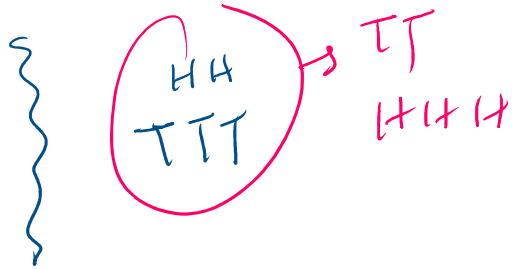
[#] Types of Programming languges

Procedural ⟵ ⟶ OOPS
                ⟍ [What]

⟶ HOW

Client – Server architecture

Request   Server   On Prem

Client - Server

Request

Response

Server

1to tstus

On Prem
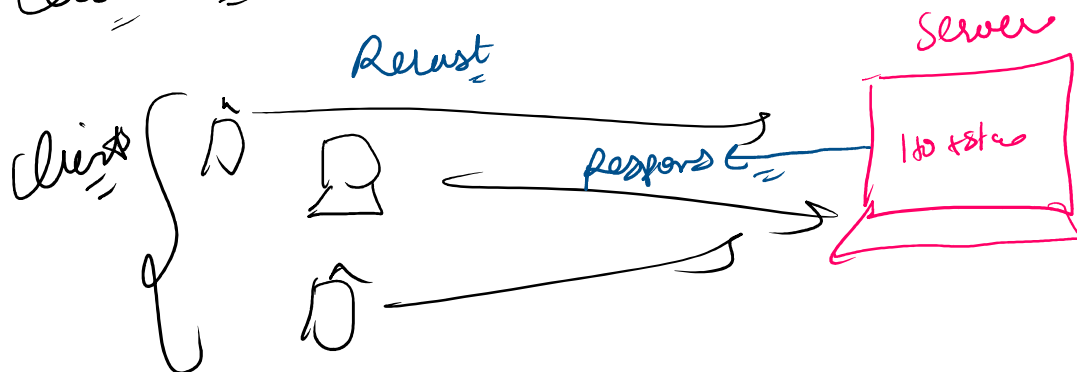
Data Structures and Algo

↳ Sequence of steps to solve a problem

Way to store data to perform operations on it efficiently

Ⓐ There can be multiple algos to solve a problem, Our goal is to write the most optimized one.