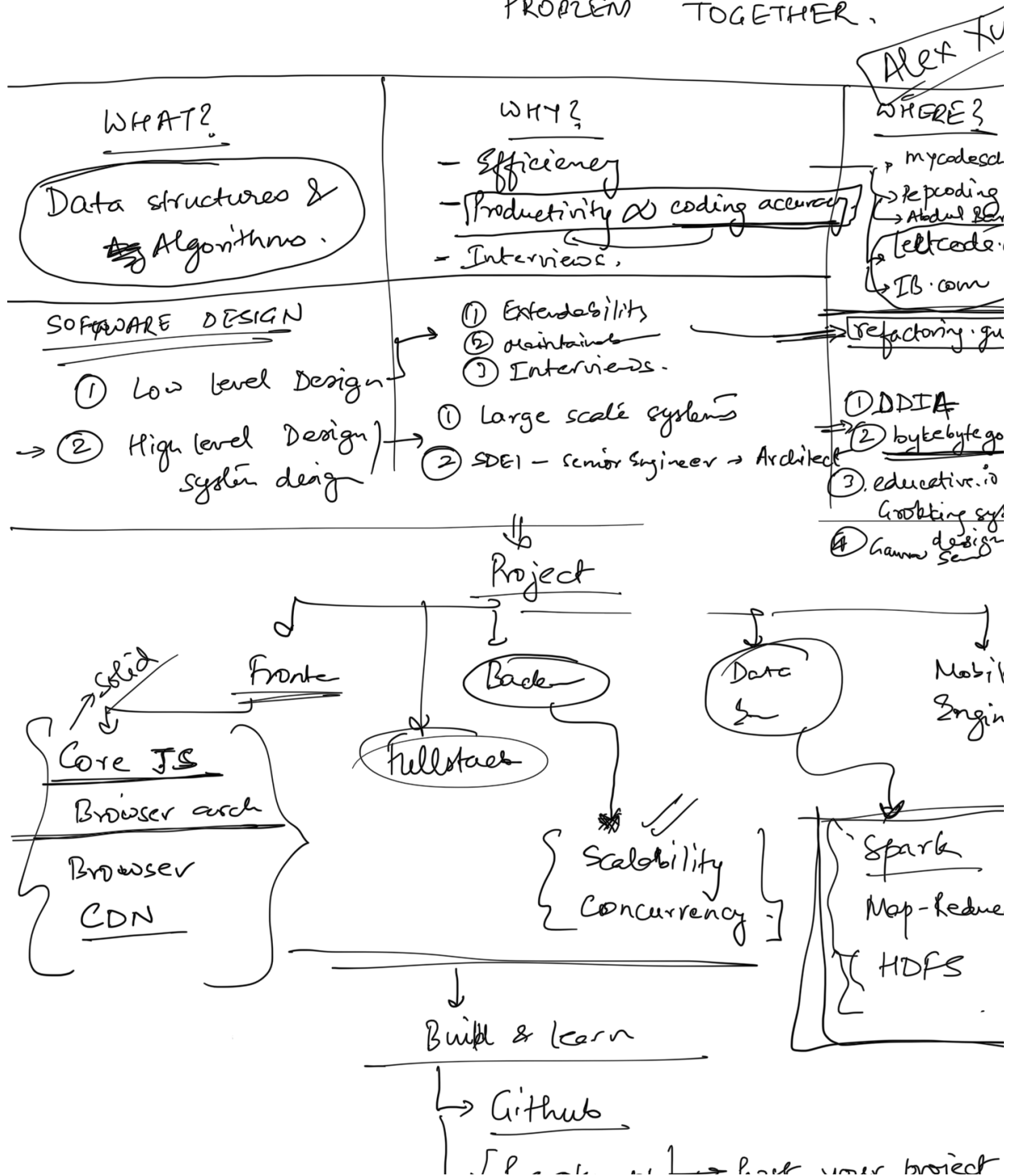


PATH TO A MAANG ENGINEER

AGENDA

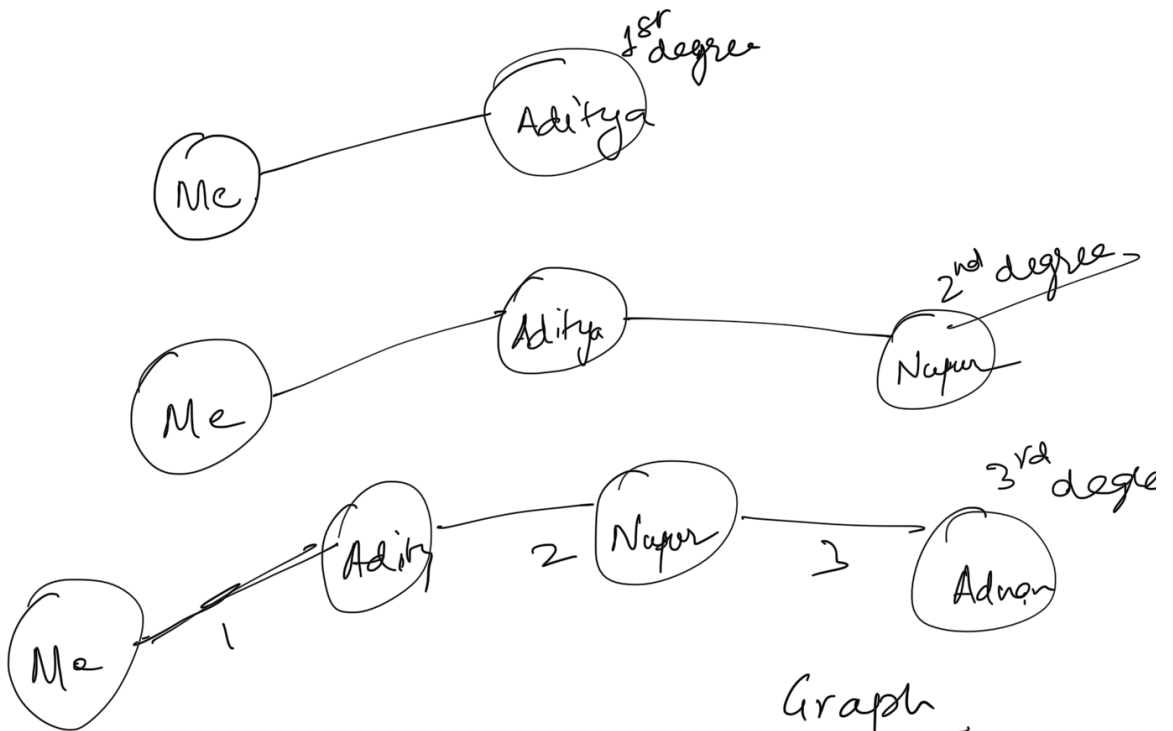
- ① WHAT SHOULD YOU LEARN, WHY AND HOW?
- ② LETS SOLVE A GOOGLE INTERVIEW PROBLEM TOGETHER.



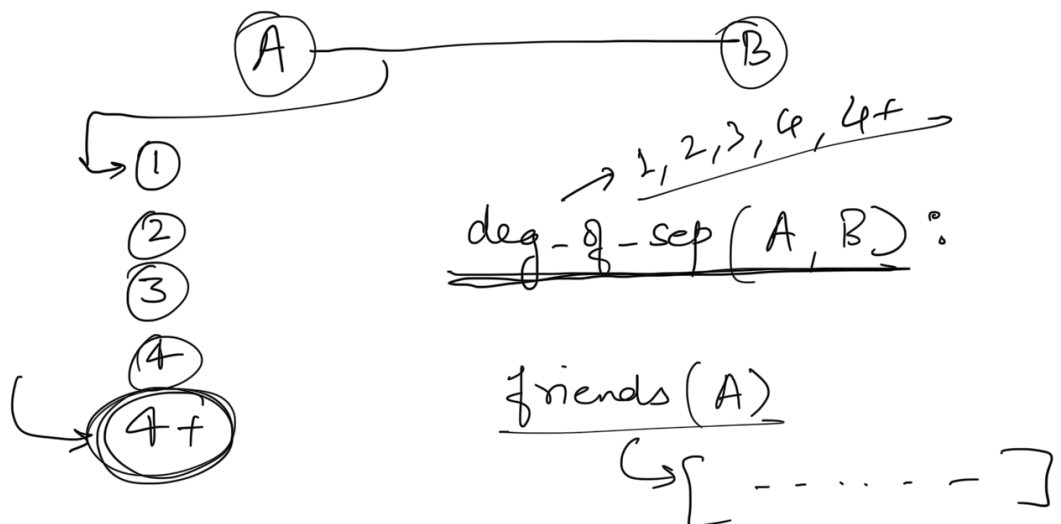
→ herokuapp → heroku free tier
→ AWS free tier

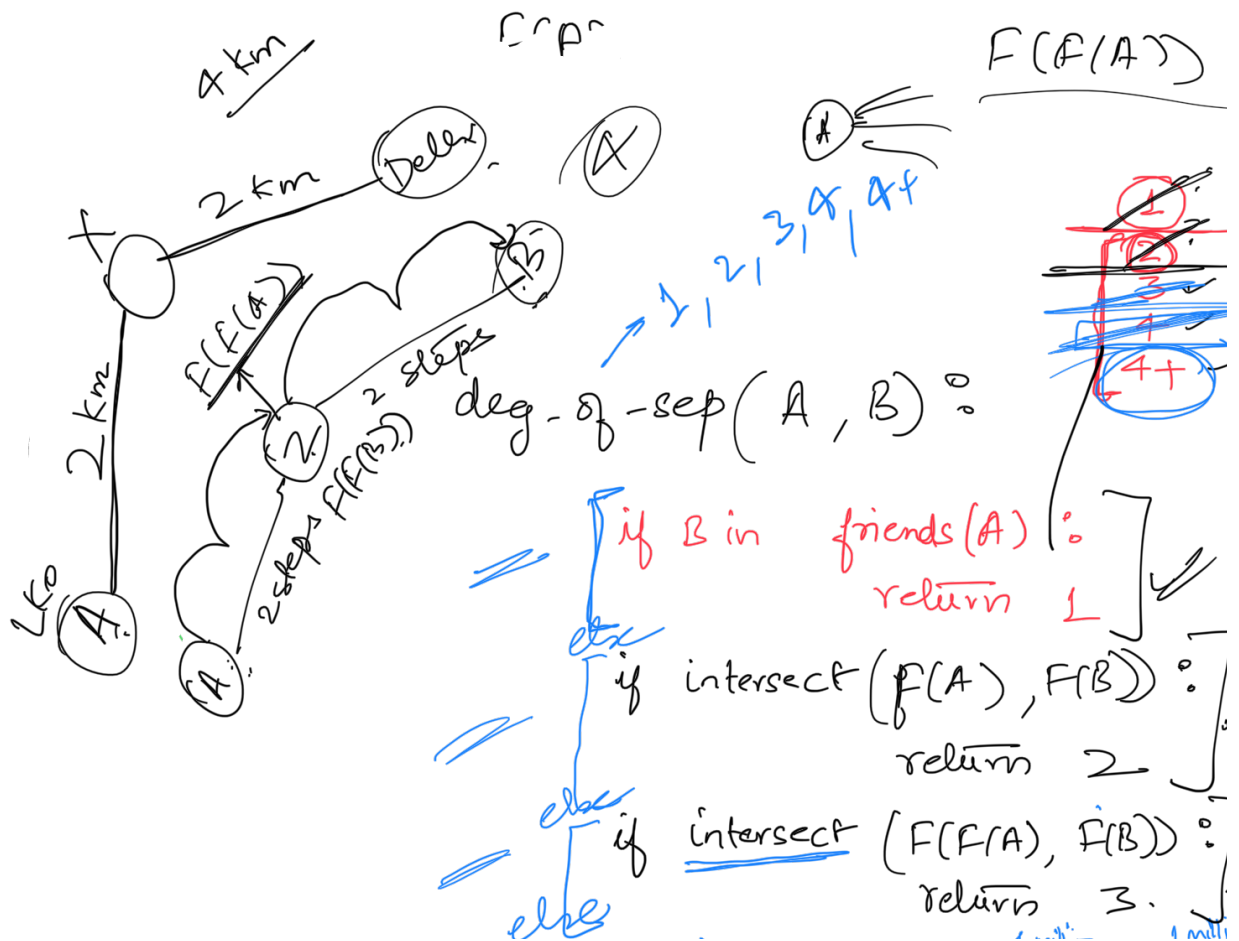
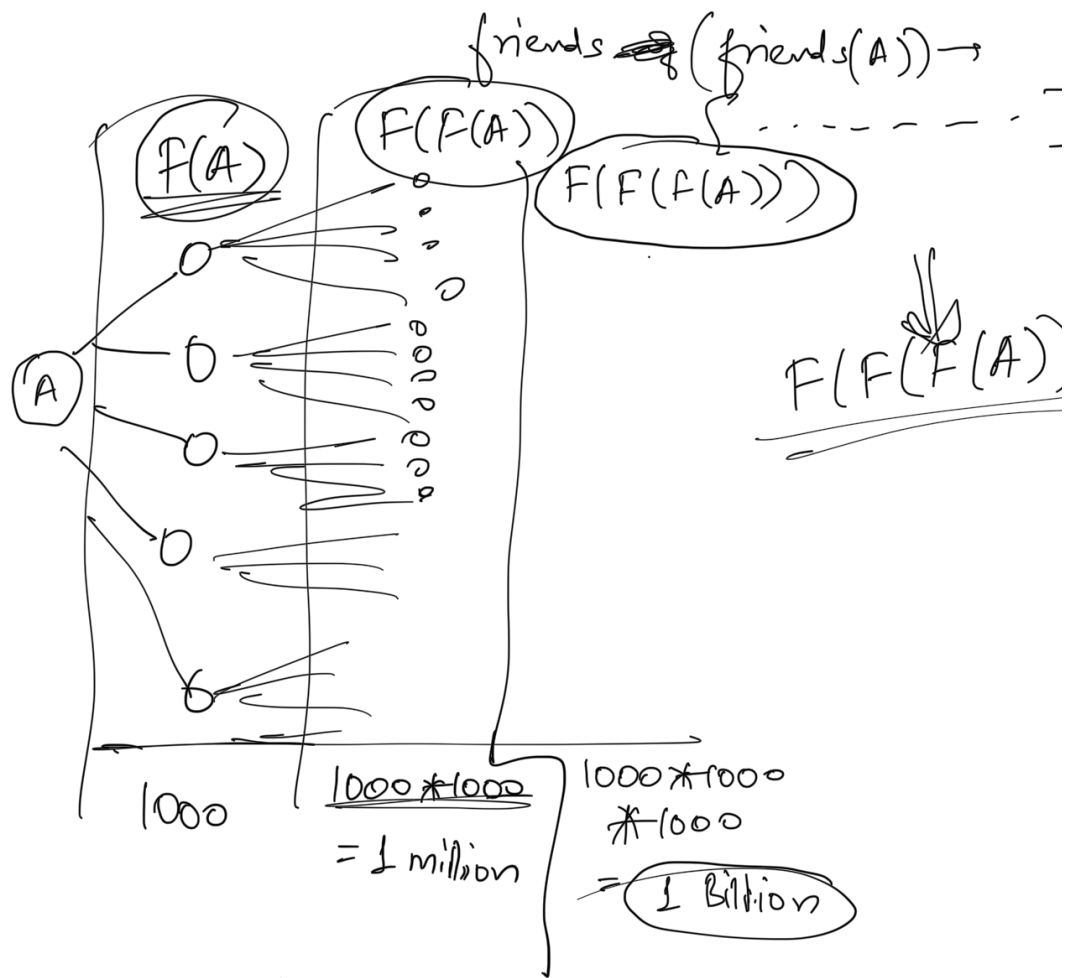
- ① Kritika's advice
- ② Solve a DSA Google problem together.

Degree of separation



Graph





$T > 2$

```
if intersect( $\overset{1\text{ million}}{F(F(A))}$ ,  $\overset{1\text{ million}}{F(F(B))}$ )  
    return 4  
else  
    return (4+1)
```



1000 $\leftarrow N$

500

$\log N$

```
intersect( $\overset{1\text{ million}}{\text{list1}}$ ,  $\overset{1\text{ million}}{\text{list2}}$ ) :  
    sort( $\overset{N}{\text{list2}}$ )  
    for  $x$  in  $\overset{M}{\text{list1}}$  :  
         $\log N \leftarrow$  search( $x$ , list2)
```

$$M \log N + N \log N$$