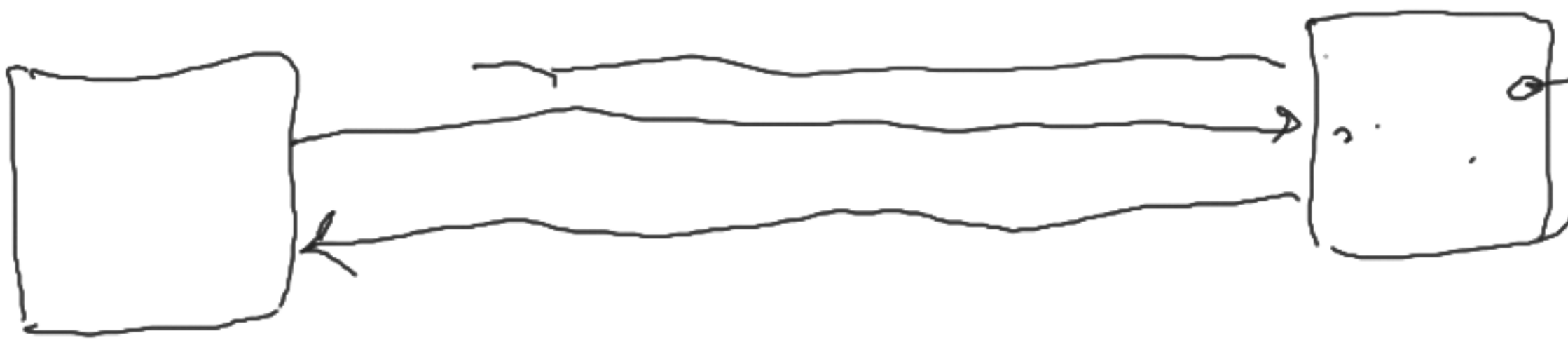


Client

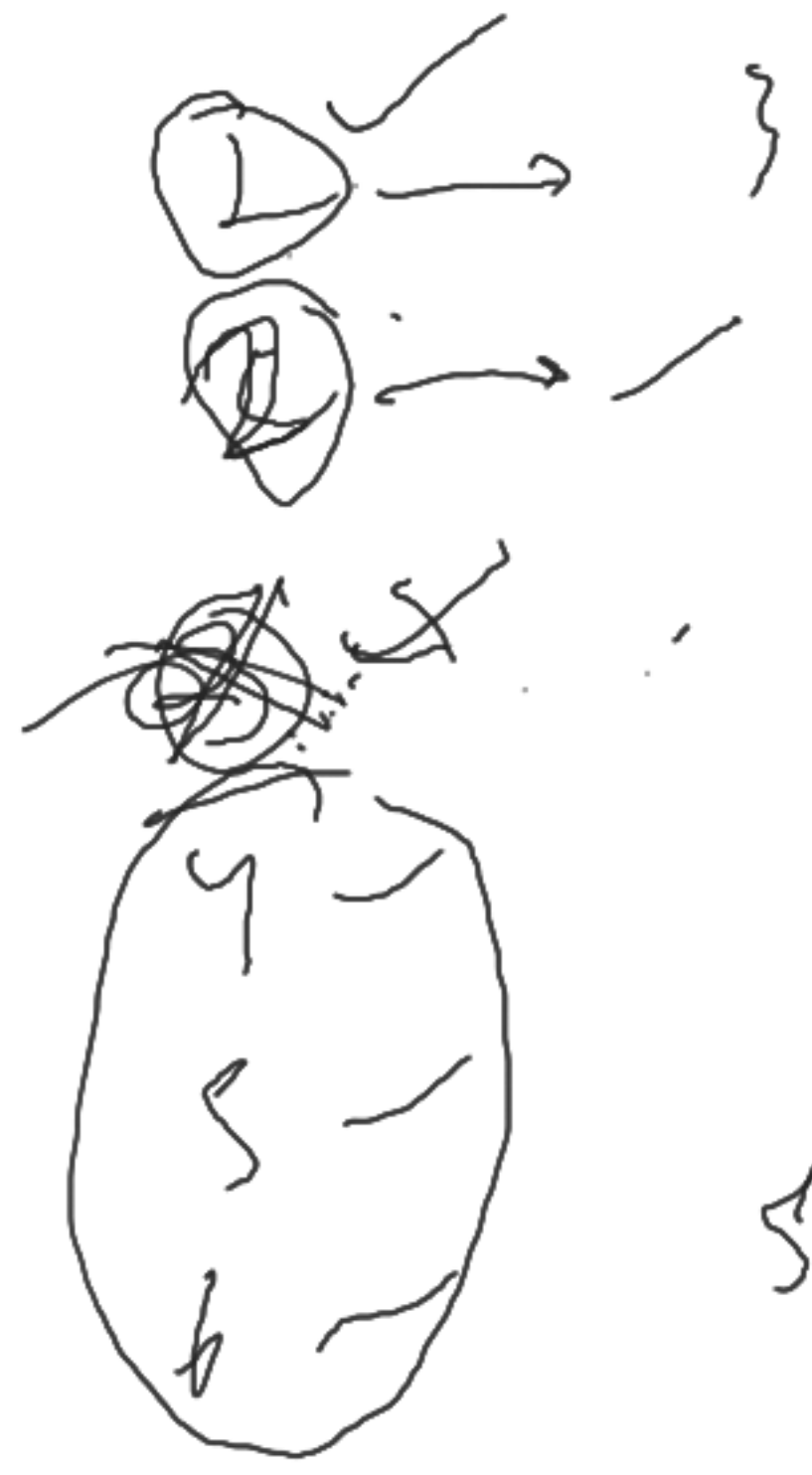
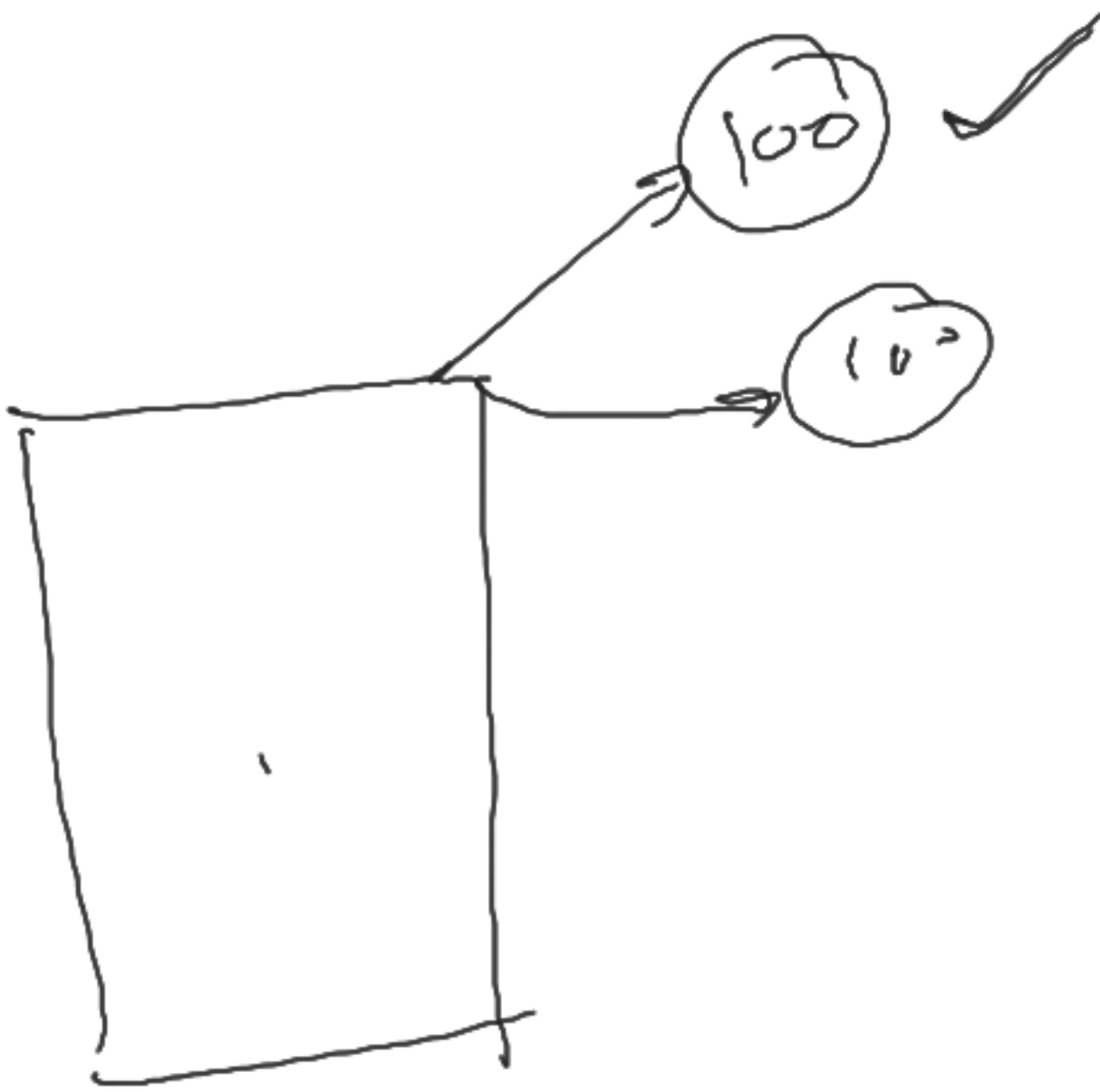
Long Pulling: →

Timeout

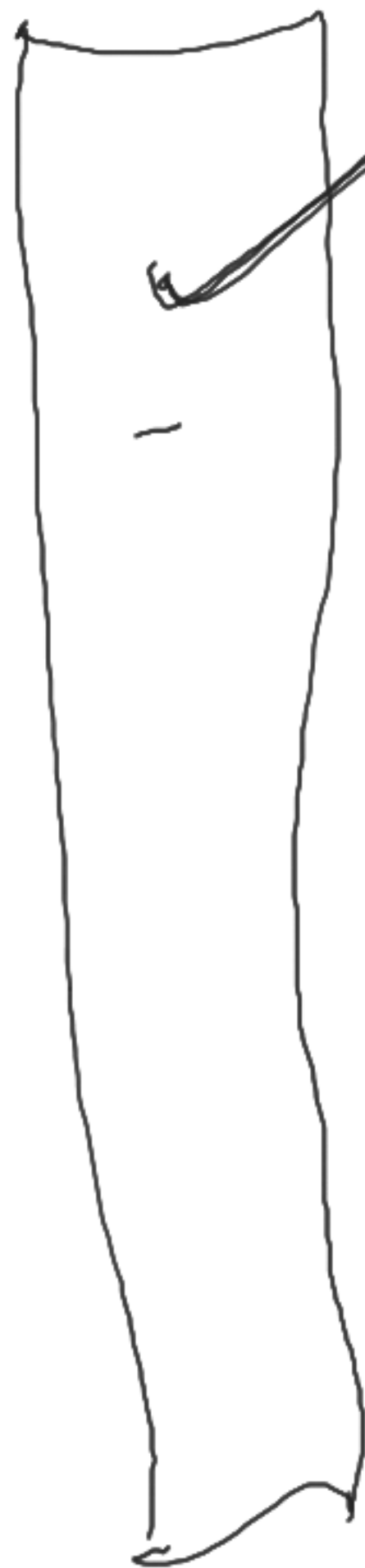


2v-3

Cache:

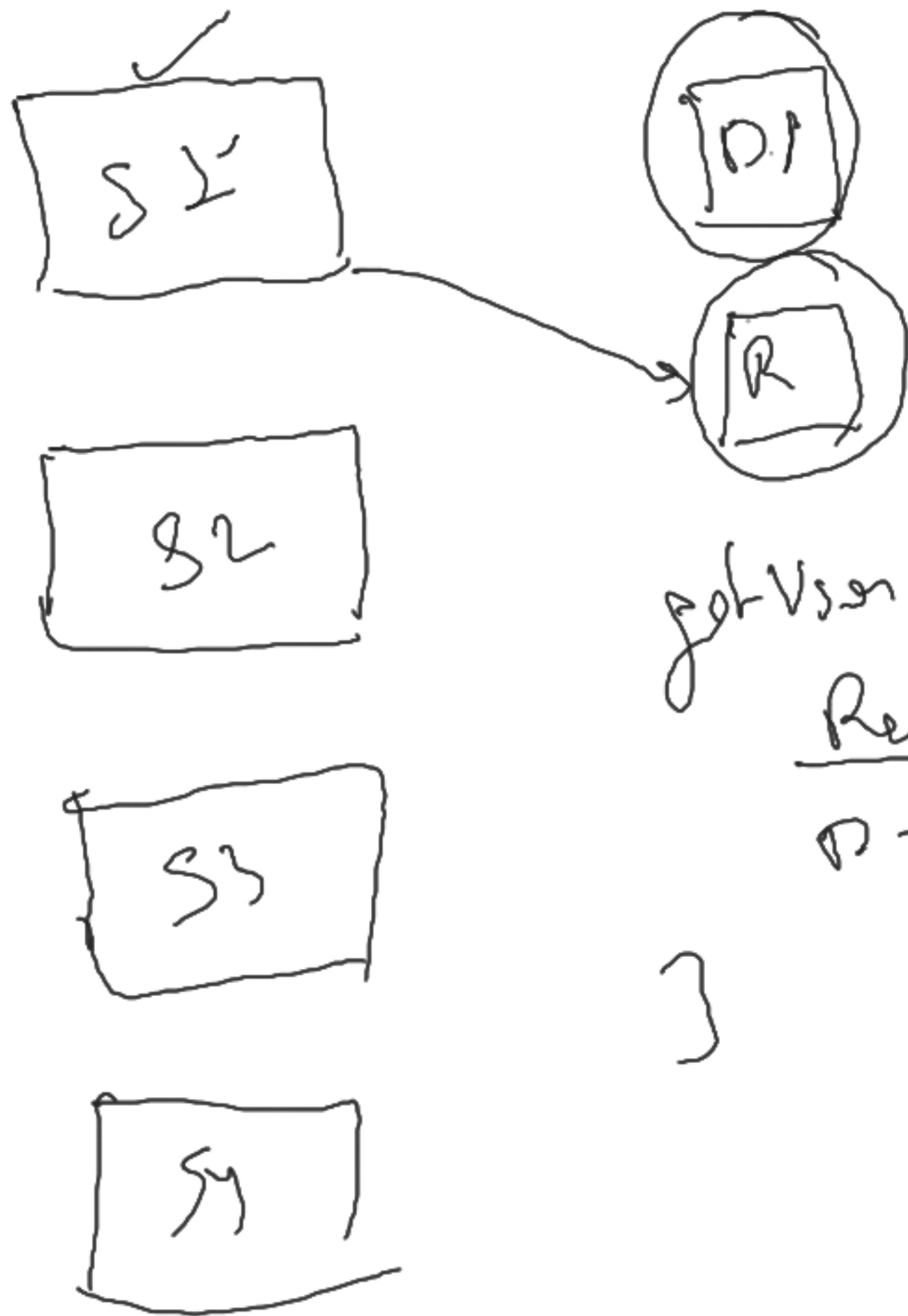
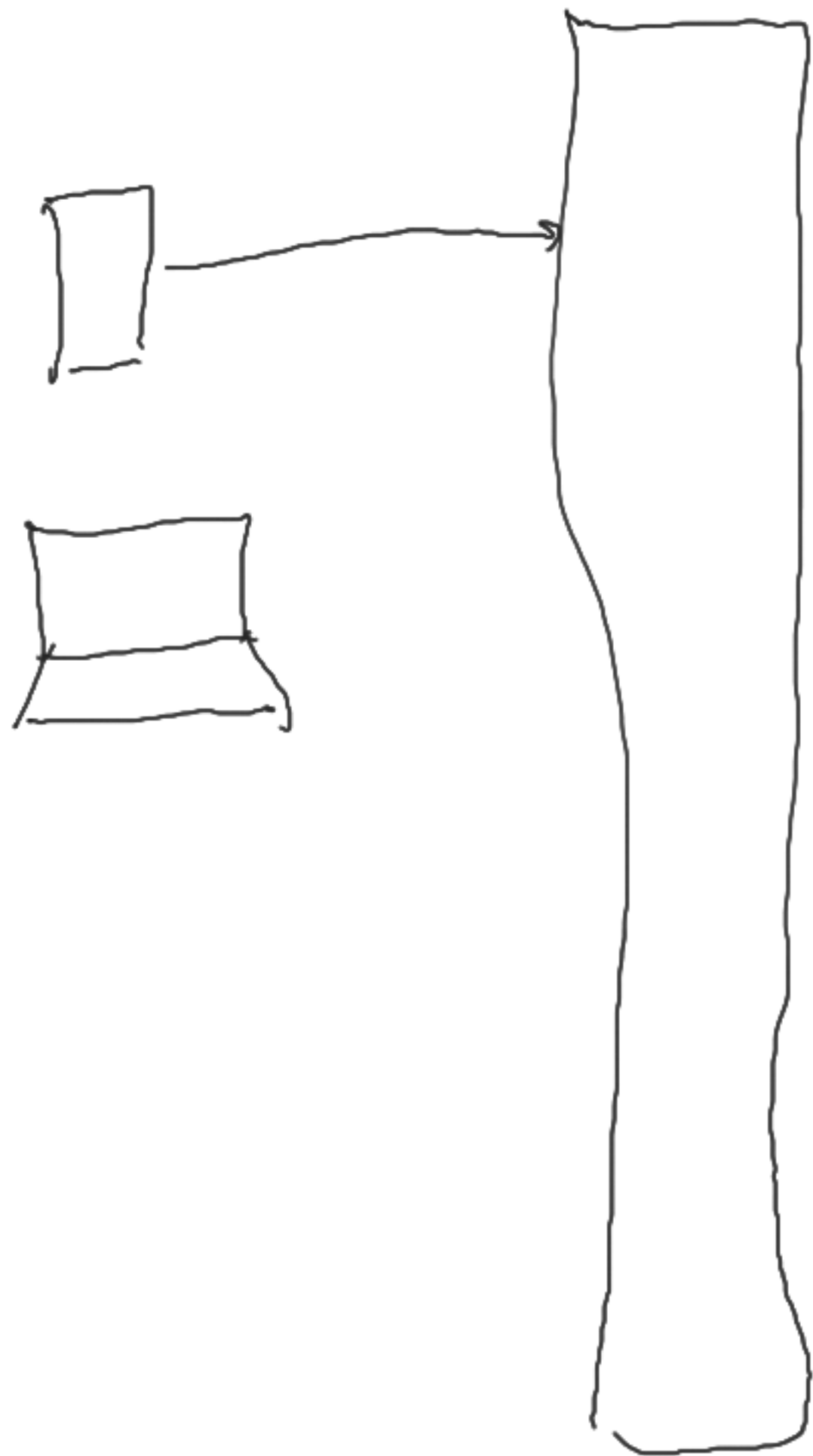


~~Browser (Anti)~~



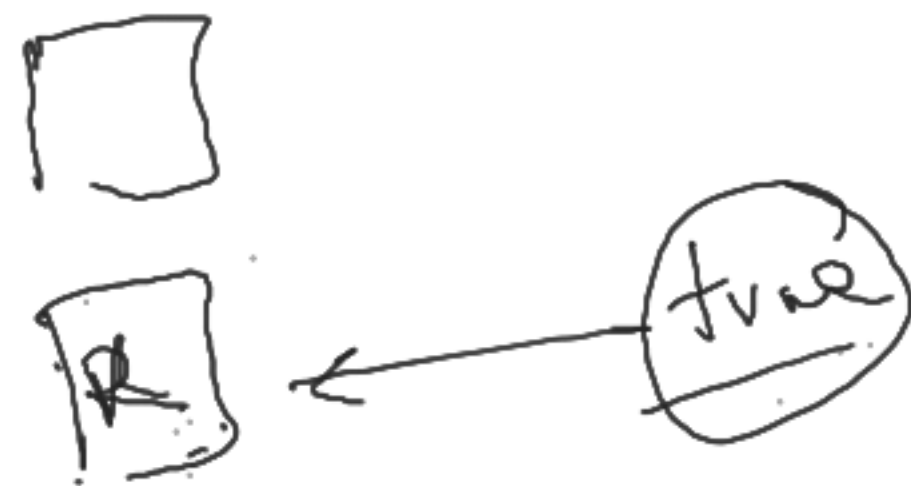
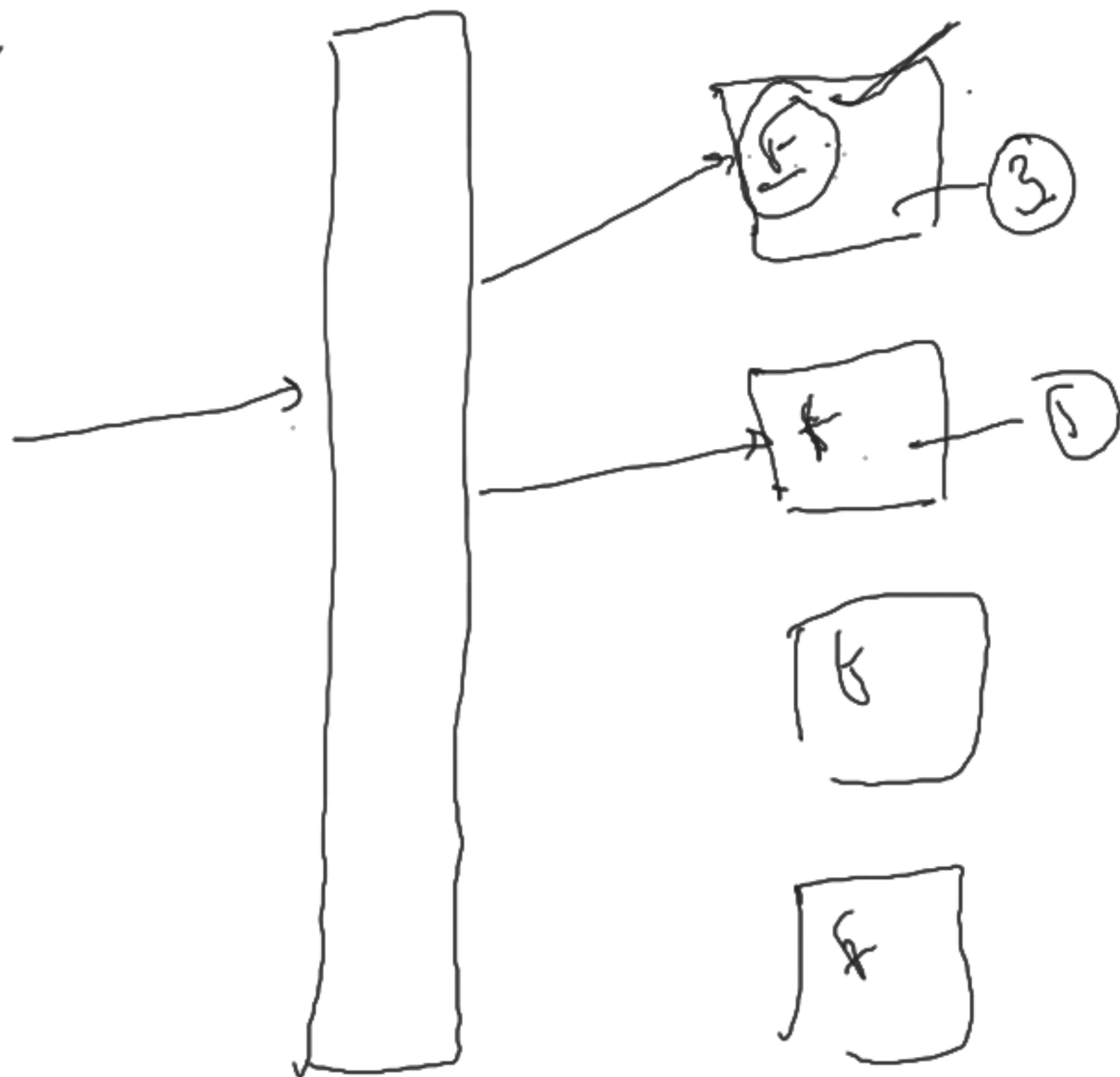
Load R.

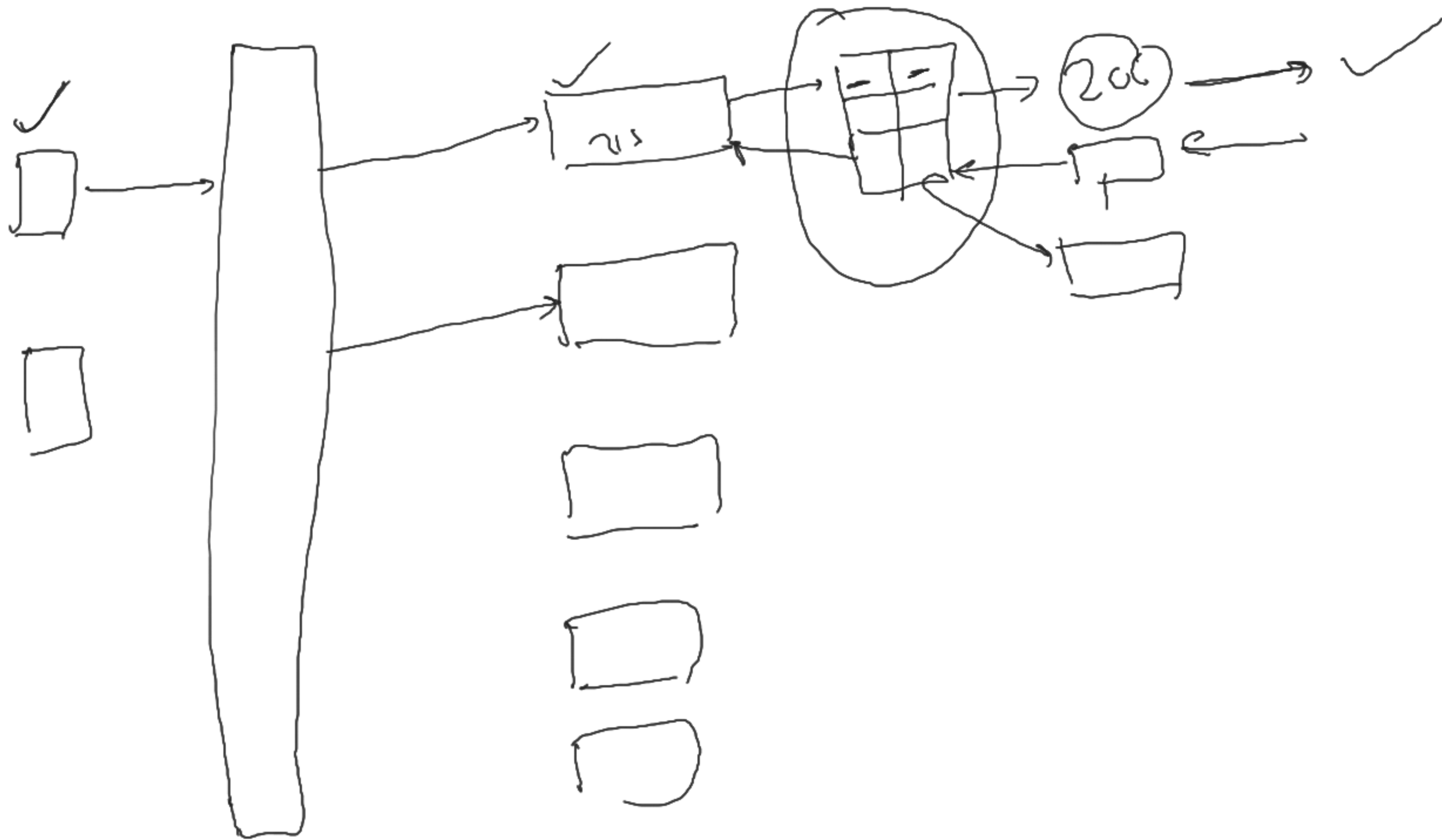




```
getVserDetail() {  
  Redis() ✓ ✗  
  DetClass() ✓ ✗  
}
```

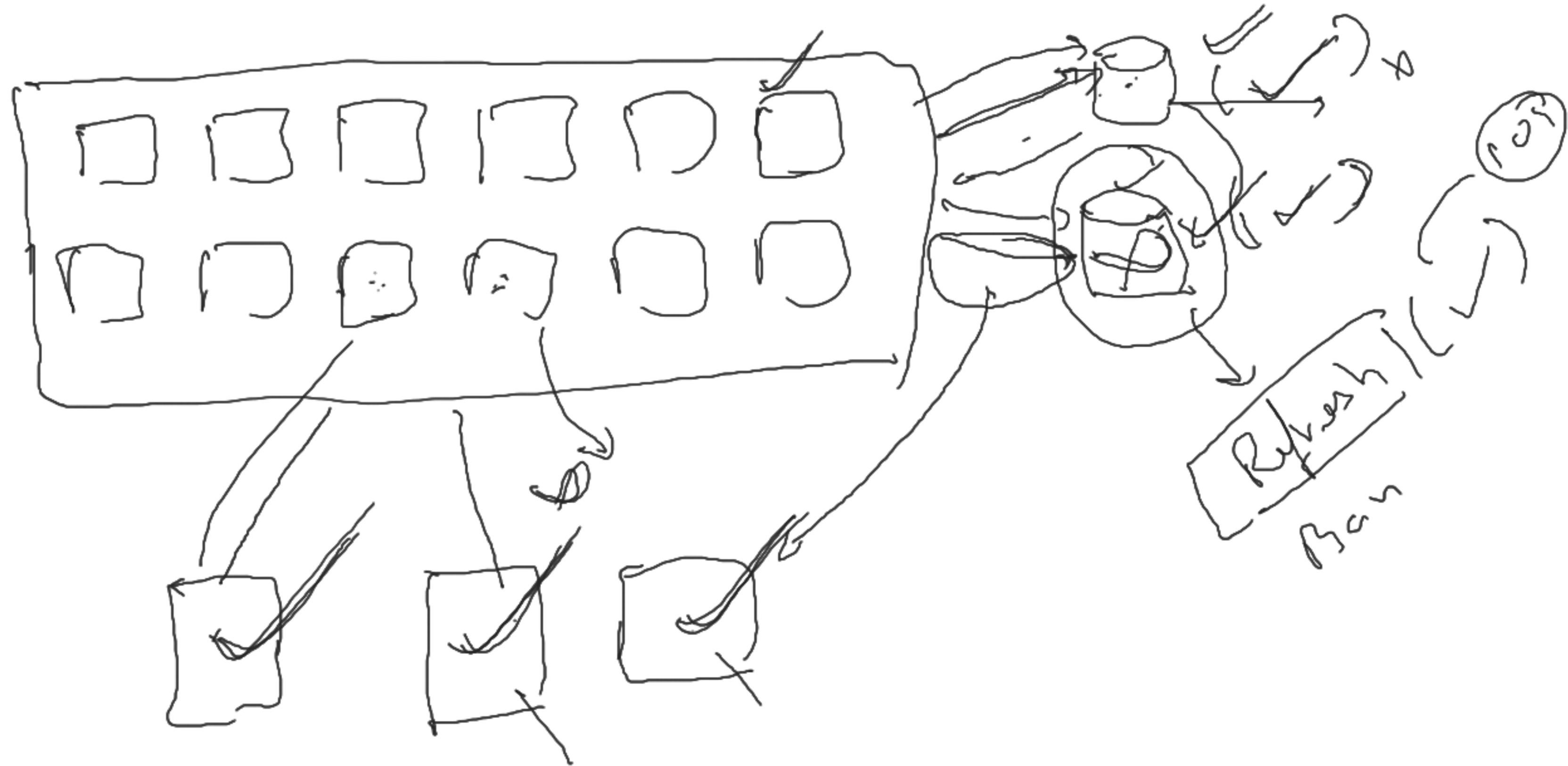
Search Filter!





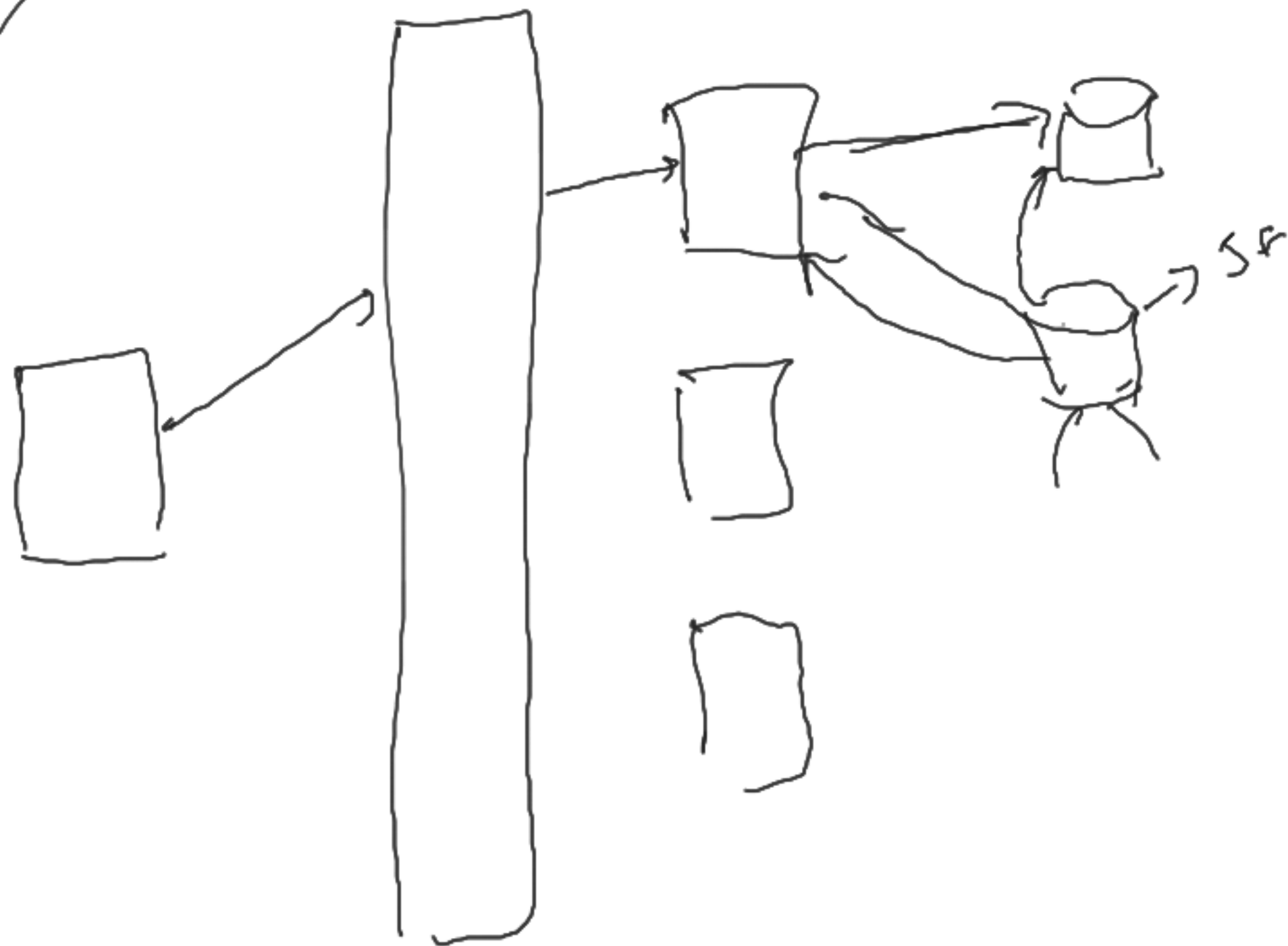
~~Write Policy
of Cache~~

- ① — Write through Cache
- ② Write around Cache
- ③ Write Back Cache



Write Back Cache:

~

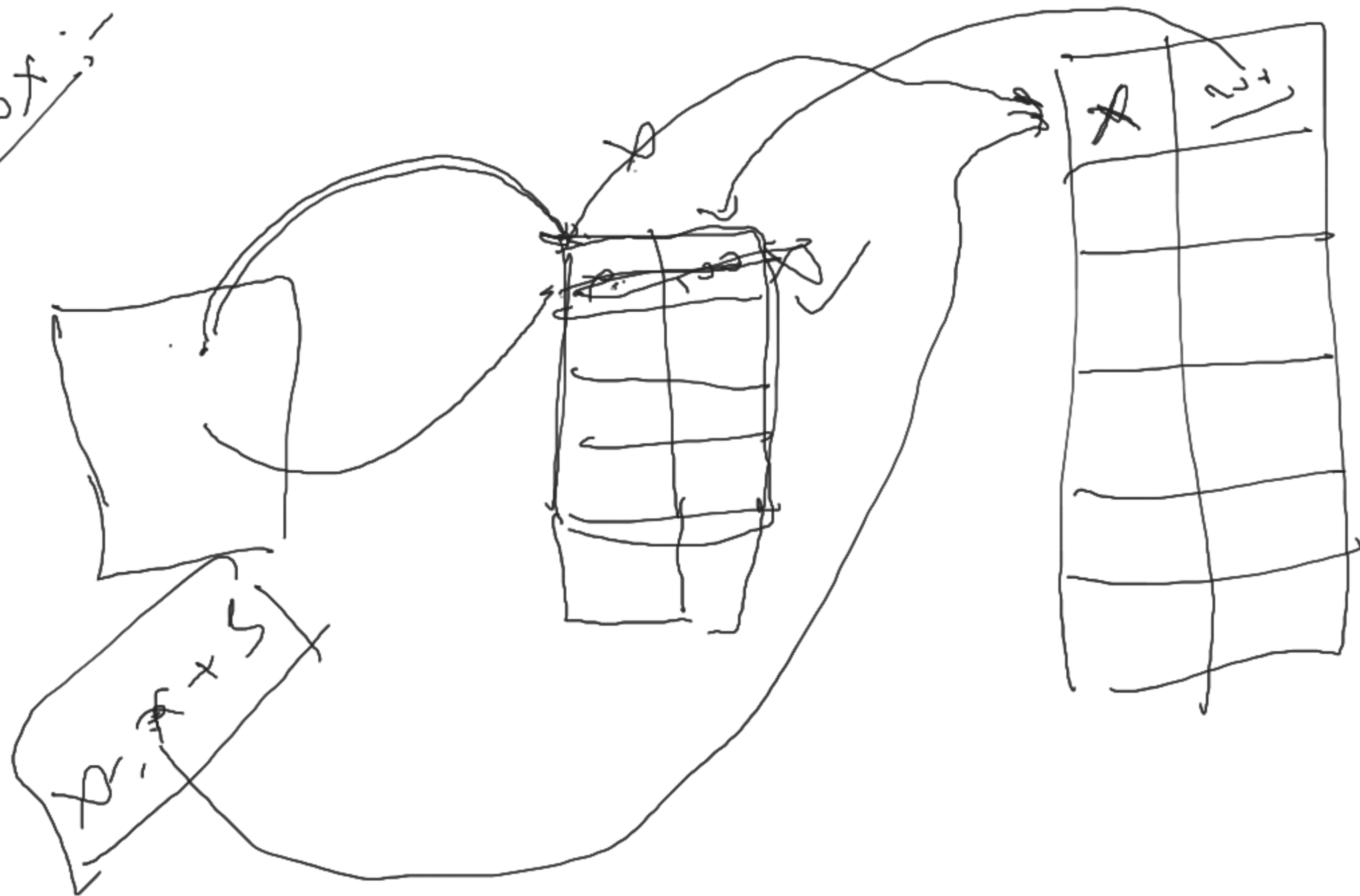


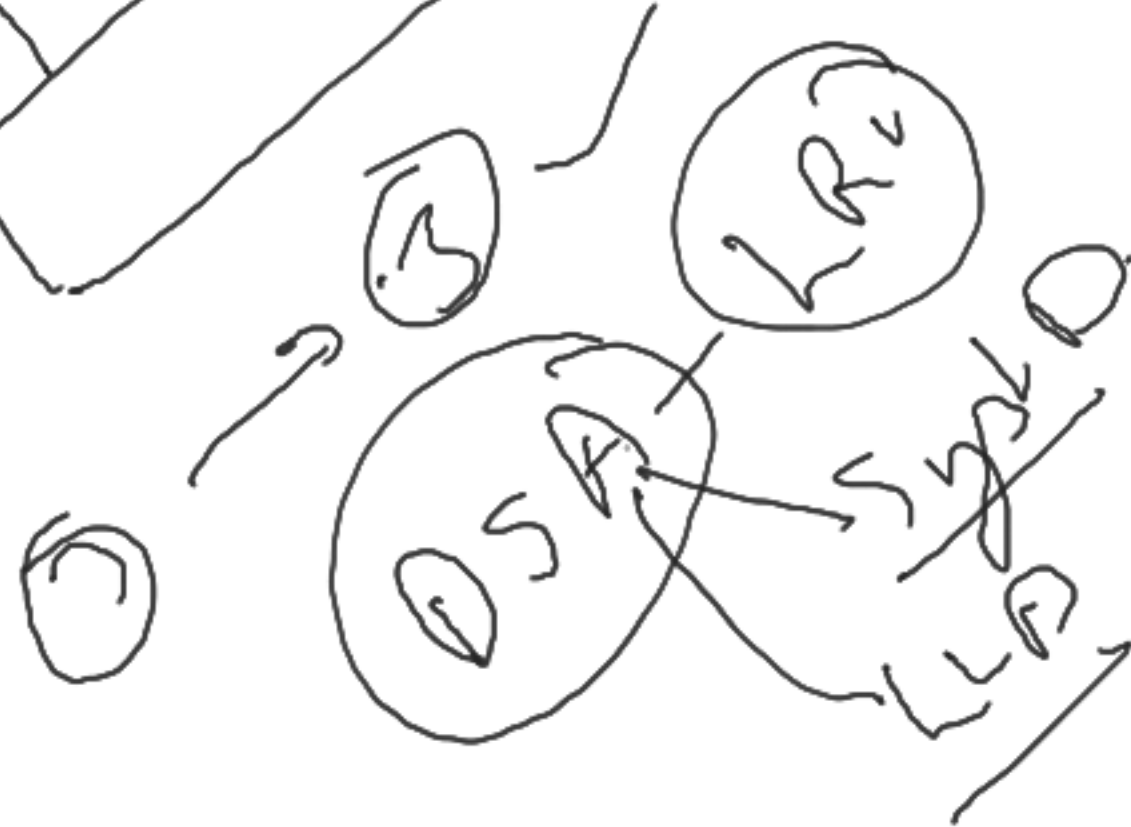
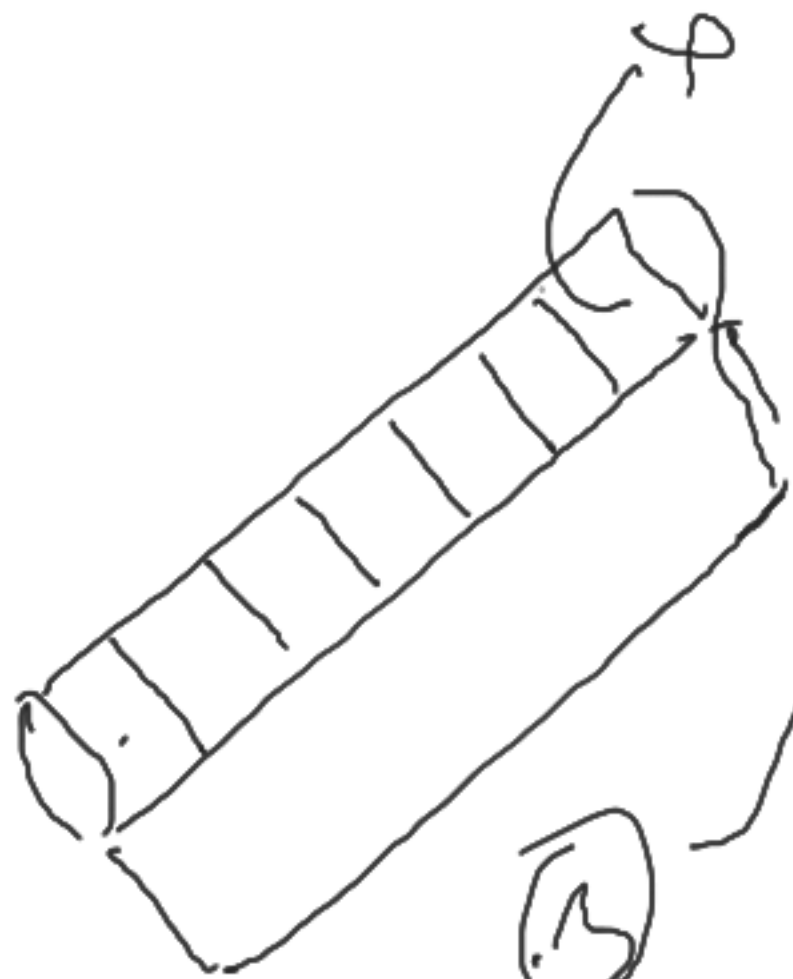
1. You Take
⑤ Link 23

③

④ Data Loss ✓
⑤ ✓

Linux:





~~①~~ ③ ④ ⑥ ③ ④ ② ⑤
 ⑦

MRU

LIFO (Least
Frequent
Used)

1 3 4 6 3 4 2 5 (3)

(7)

(1)

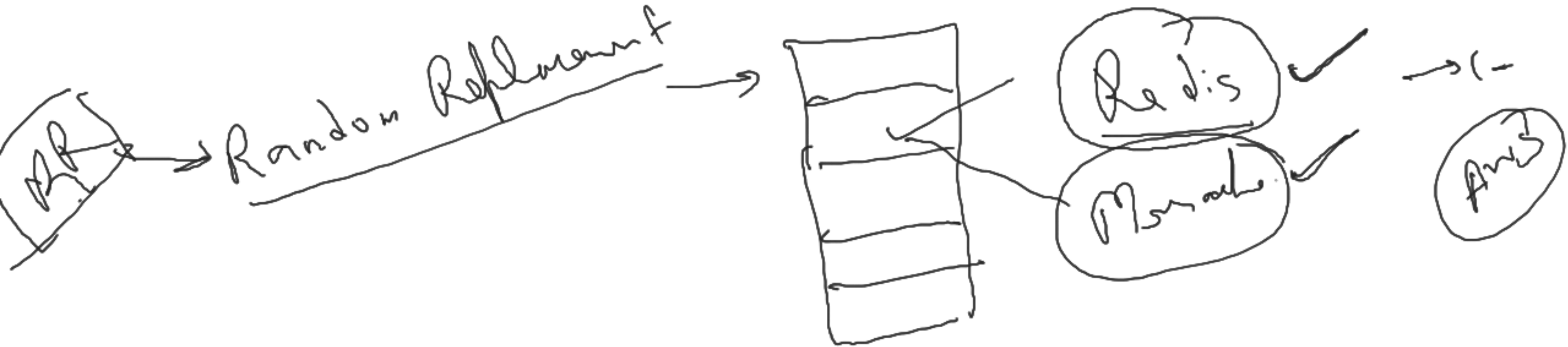
(4)

(7)

(9)

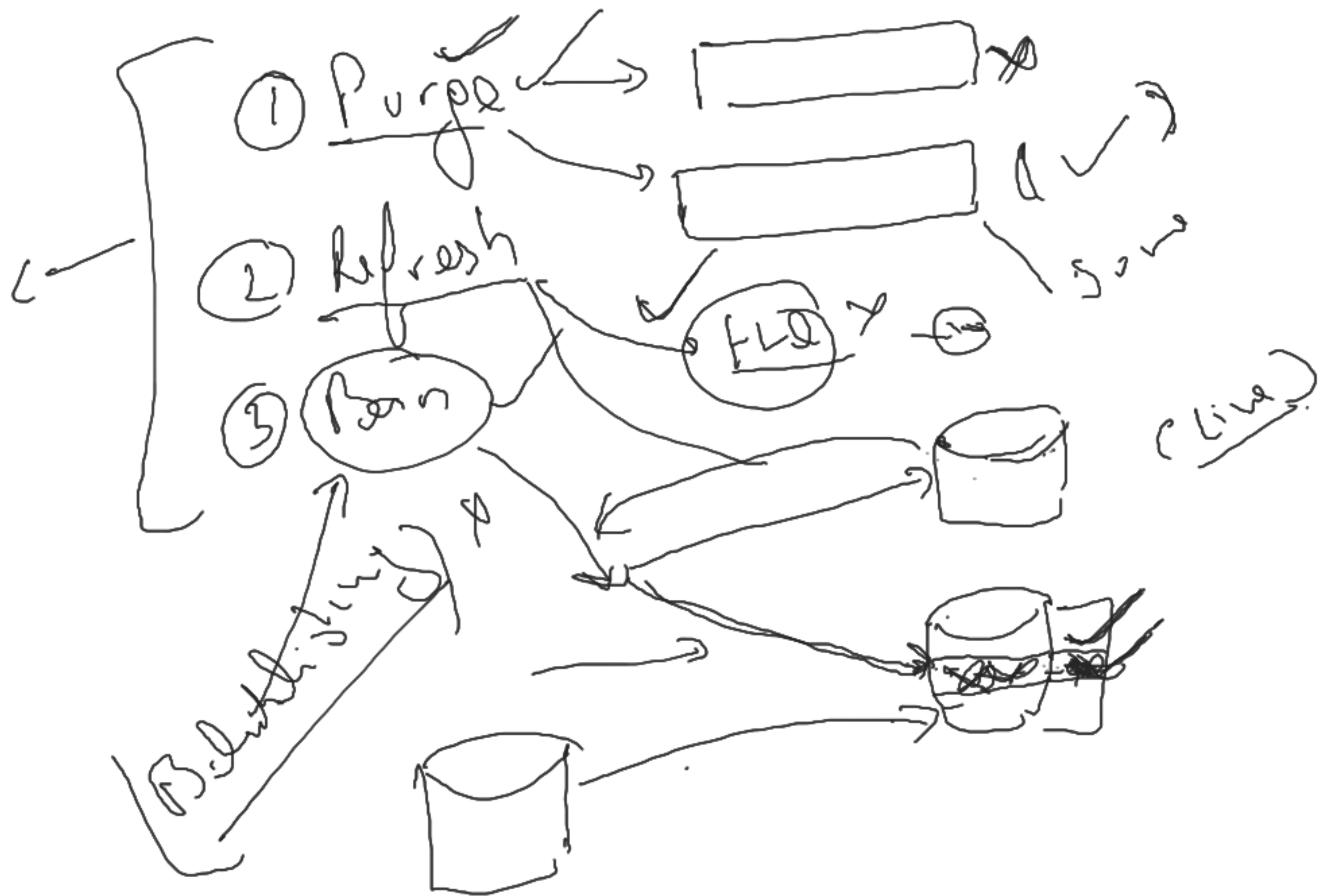
	(1) -	1 ✓
	3 -	3 ✓
	5 -	2 ✓
	(4) -	1 ✓
	2 -	1 ✓
	3 -	1 ✓

2
3 ✓
4 ✓
6
2
5
6 ✓



Cache Invalidation

Redis



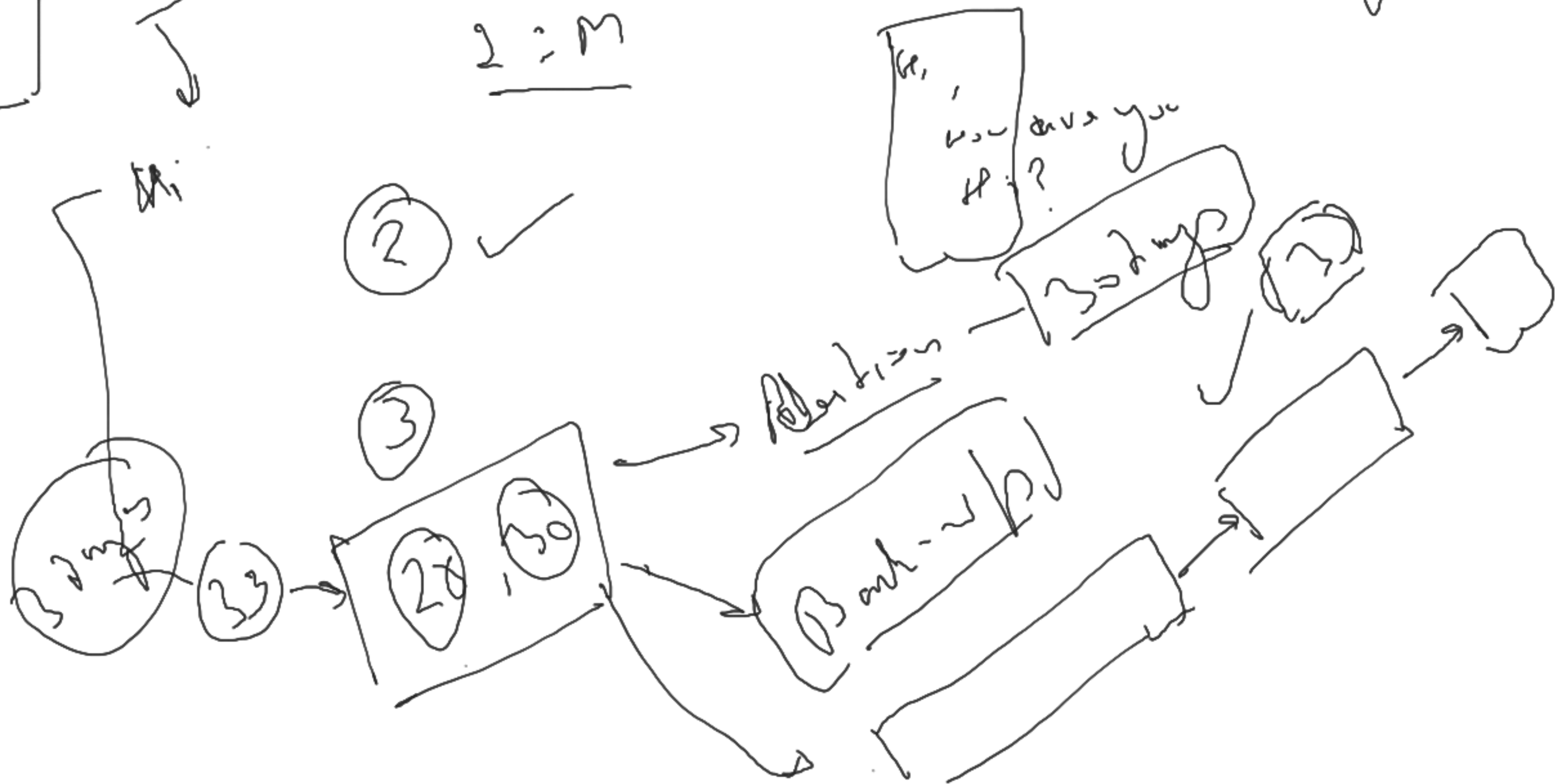
8:22 p.m.

20:22 IST (S)

20:27 IST (S).

30/32 days
1 L L L (Hi,
2: M

Hi
How are you?



① Ack — Delivered, Ledd
✓ ✓ — Positive