



Fig: Leaky Bucket Algorithm

No of packets

5

packets

2

5

4

1

3

Buc Cap = 4

state = 3

| clock | ps | Ac | sen | rem |
|-------|----|------|-----|-----|
| 1 | 2 | 2 | 2 | 0 |
| 2 | 5 | drop | 0 | 0 |
| 3 | 4 | 4 | 3 | 1 |
| 4 | 1 | 1 | 2 | 0 |
| 5 | 3 | 3 | 3 | 0 |

$5 > 4$

sent = 3

$\therefore \text{state} = 3$