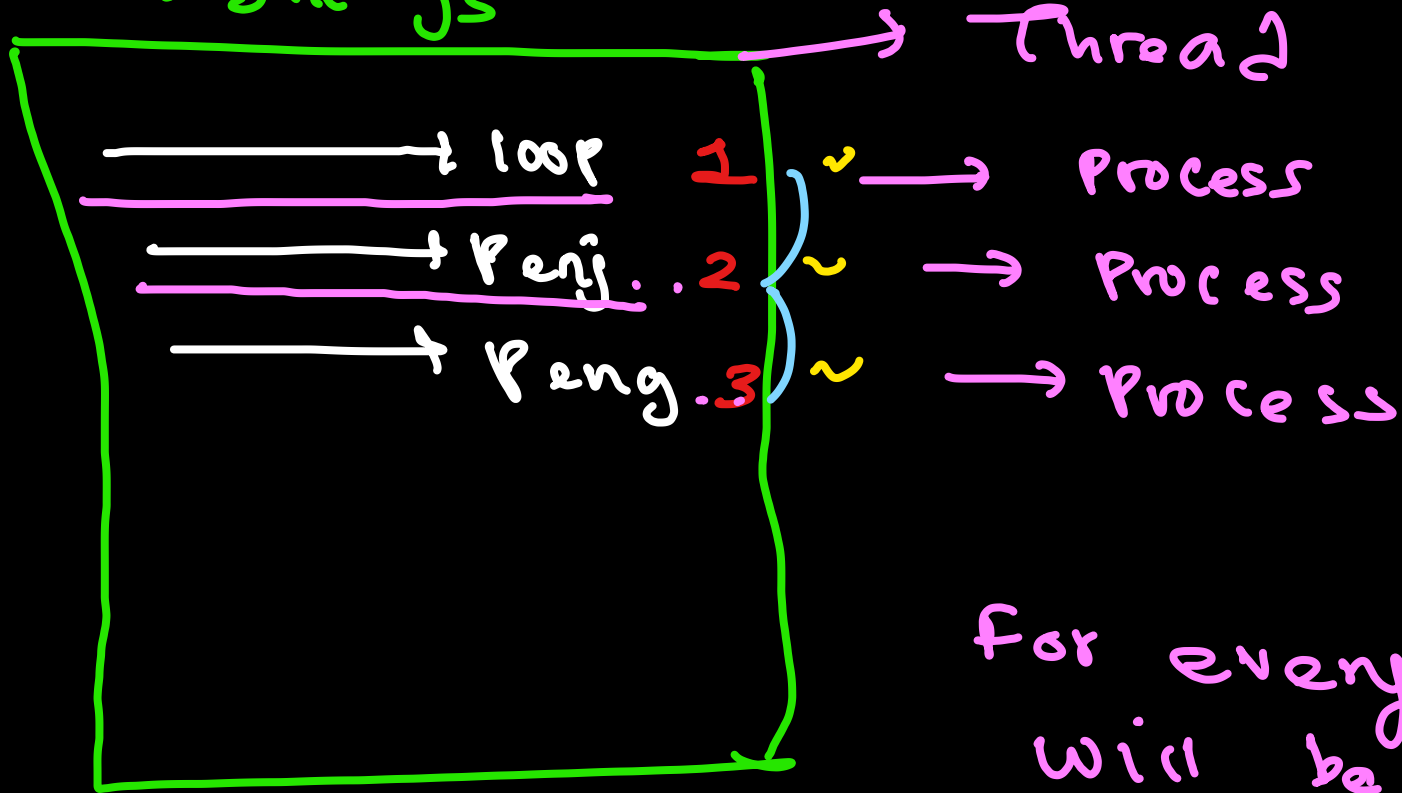


# Sync Programming / Parallel Programming

async.js



Single  
Thread

for every process  $j$   
will be take over  
if only if process  $i$   
had been taken

$i < j$

Nasi goreng ✓

Bakso ✓

Sate ✓

Bunuh waktu

Lama + Boros

Nasgor - Bakso - Sate

Multi threading / concurrent / asynchronous

✓ Nasi goreng ... (Nasi goreng dimasak) 3 ✓

Bakso .... (Bakso dimasak) ✓ 1

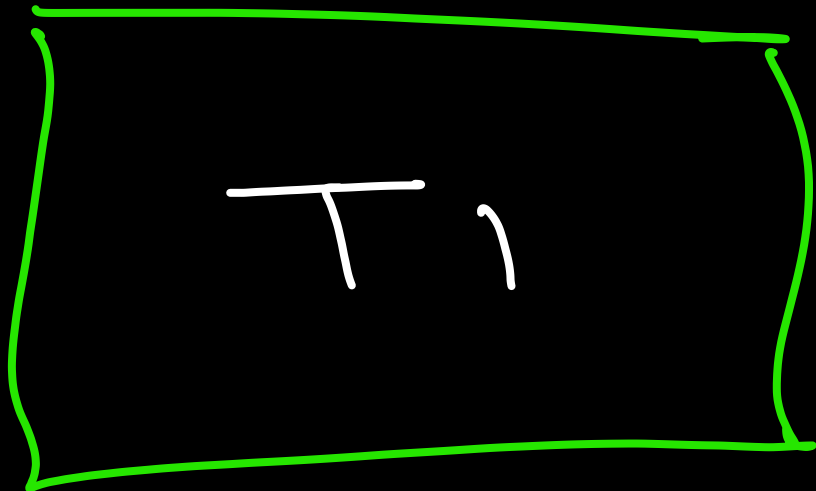
Sate ... (Sate dimasak) ✓ 2

Bakso - Sate - Nasgor

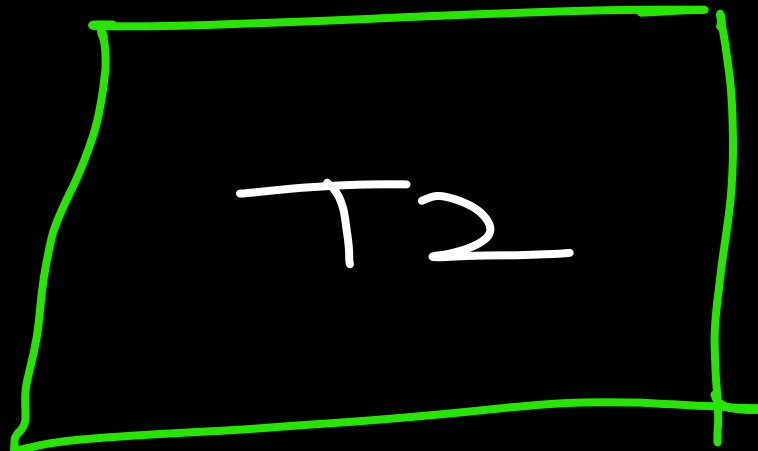
async.js

loop  
penj  
peng

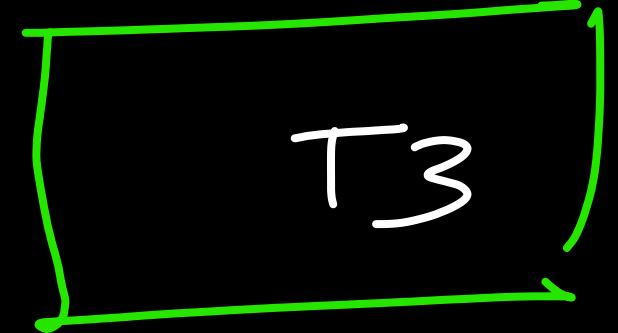
async.js - loop



async.js - penj



asny.js - peng



Rare condition

$$J = \text{Penj}(1, 4) + \text{loss}(1, 10^9)$$

$$y = \text{asyn c}$$

guzman ya pating cepat.

2 timeout

Penj (2, 4)

1008

## → hi reout







































































































































