

L15

SUZUKI-KASAMI'S BROADCAST ALGO:

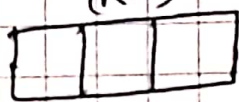
It is a token based algo, a site is called to enter its CS if it possesses token.

Token  seq. no.

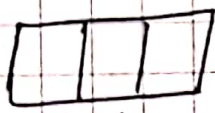
Design Issues:

(i) Distinguishing outdated REQUEST msg from CURRENT REQUEST msg.

(ii) Determining which site has an outstanding request.

⇒ Site (process) →  → Array of integer

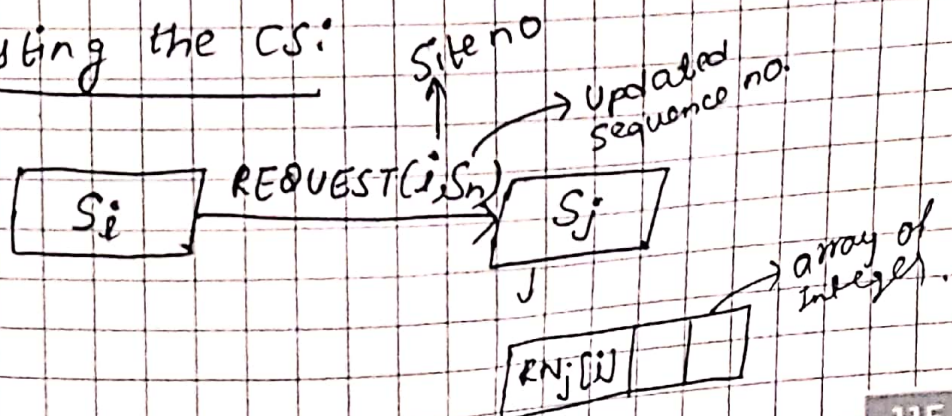
⇒ Token →  → queue (Q)

 → Array of integer

The Algorithm:

(i) Requesting the CS:

(ii)





(ii) $RN_j[i]$ to $\max(\overset{\text{old}}{\uparrow} RN_j[i], \overset{\text{update}}{S_n})$
 S_j send idle token if $RN_j[i] = LN[i] + 1$
 \hookrightarrow Token (array of integers)

② Executing the CS

site S_i executes the CS when it receives token.

③ (Token) Releasing the CS:

(i). Set $LN[i] = RN_i[i]$

(ii) Update ID of site not in token

queue if $RN_i[j] = LN[j] + 1$

(iii) Deletes the top site ID from queue.