

k-MODE

$$S_1 = \{a, b, c\}$$

$$S_2 = \{b, c, d\}$$

$$S_3 = \{b, c\}$$

→ $MODE = \{b\} \text{ or } \{c\}$

~~END~~

$C = \text{INIT PARTITION}$

WHILE $M(C)$ INCREASES BY ϵ

└→ WHILE $M(C)$ INCREASES

└→ FOR $i \in V$

└→ FOR $j \in \mathcal{N}_i$

└→ IF $M(C)$ INCR,

MOVE i TO

j 'S COMM.

└→ CREATE G' WHERE

THE ~~THE~~ NODES

ARE COMMS