Distributed Coordination
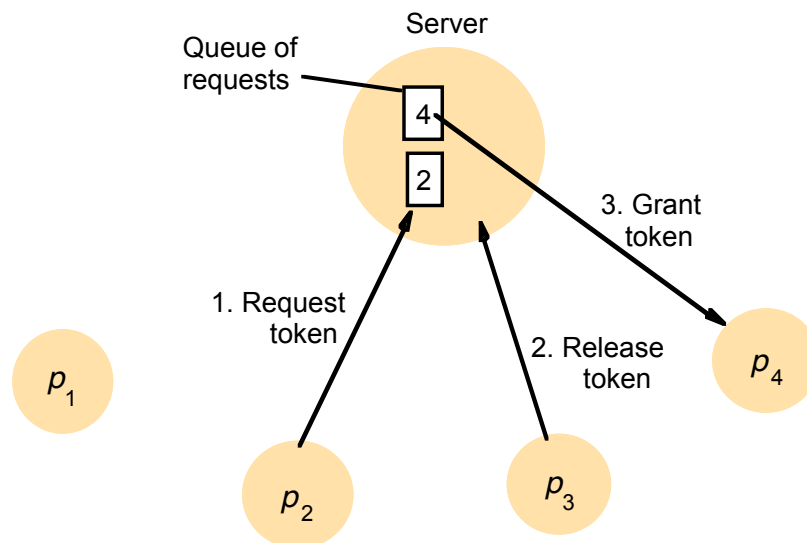
Centralized Mutual Exclusion

Server

Queue of requests

4

2

3. Grant token

1. Request token

2. Release token

p_1

p_2

p_3

p_4
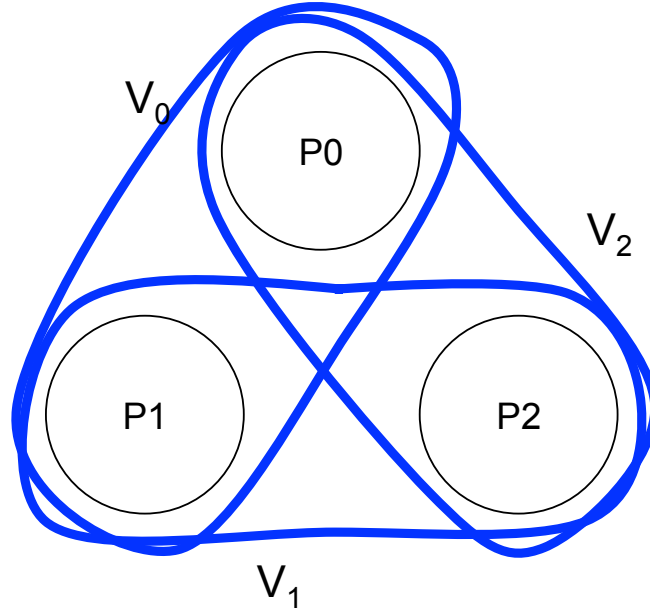
Token Ring Approach
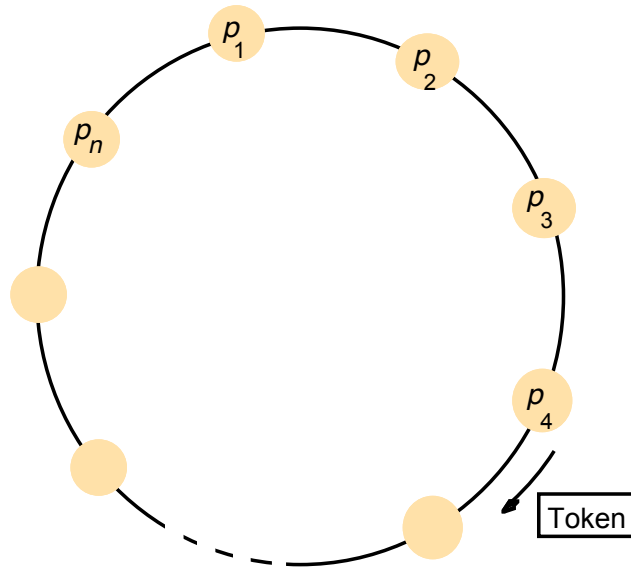
Multicast Approach (Ricart and Agrawala)
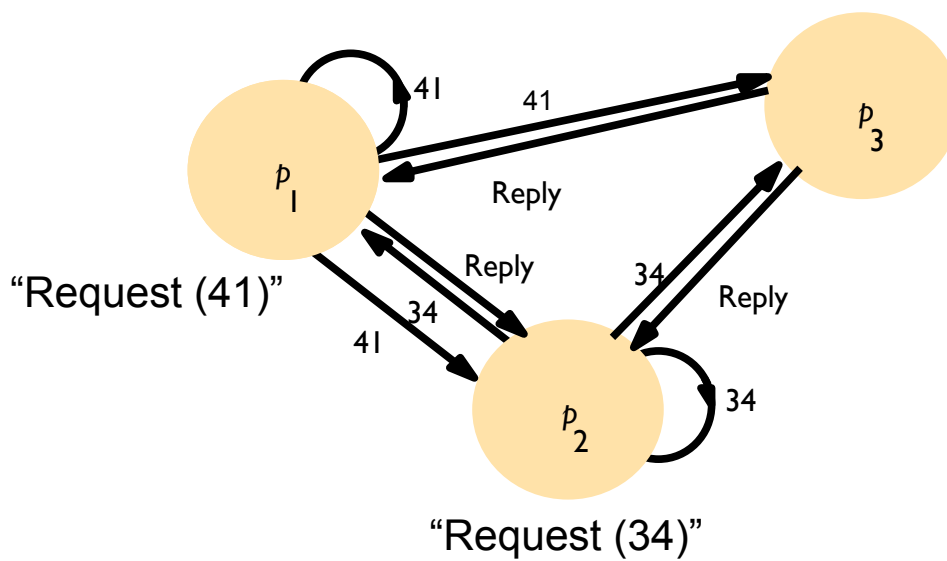
Voting Approach (Maekawa's Algorithm)

V_0

P0

V_2

P1

P2

V_1

Elections

Ring-Based Election

Bully Algorithm

Previous coordinator
has crashed

(a)　　　　　　　　(b)　　　　　　　　(c)

(d)　　　　　　　　(e)