

보내는 입장

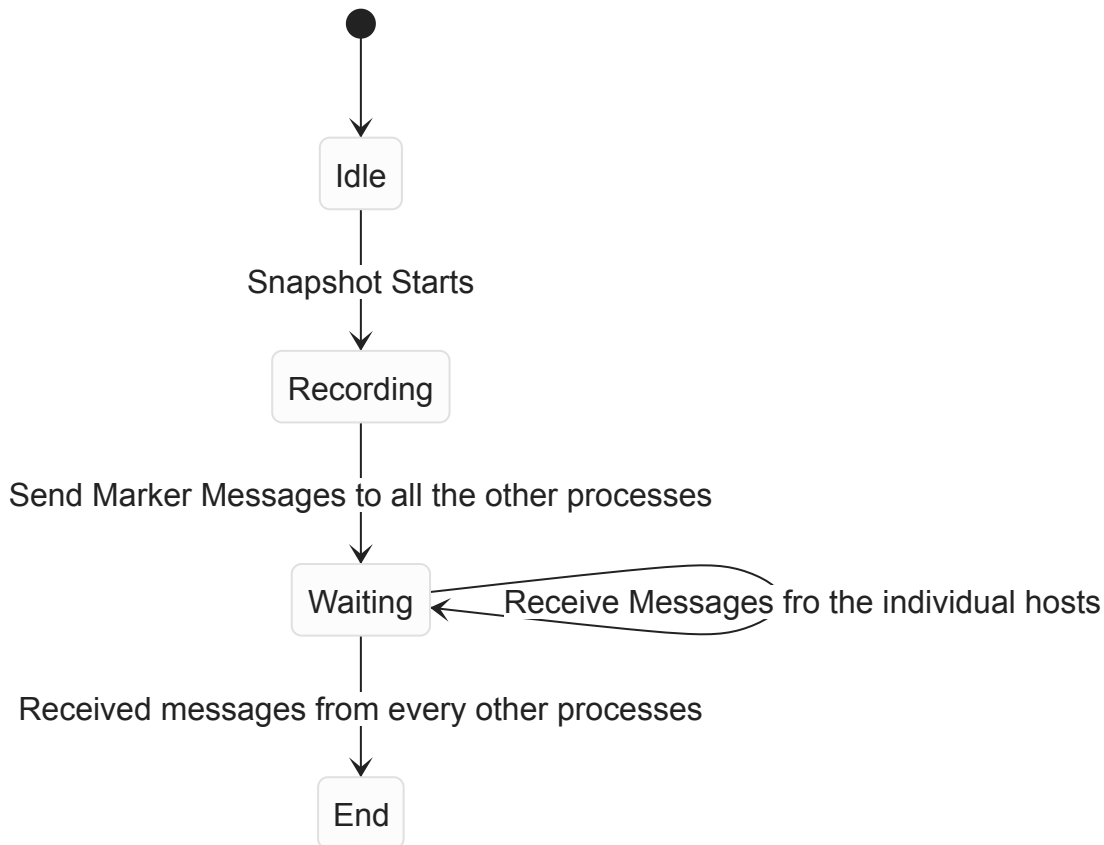
1. Snapshot initiated
2. Record its own state
3. Send Marker to each channel (Every processes)
  1. Marker Message is NOT a state that the snapshot algorithm is trying to record
  2. Snapshot 찍을때는 아무런 작업하지마라

Receiver

1. Marker Message Arrived

1. Has seen
  1. Stop Recording
2. First
  1. Record its state - 기록하고
  2. Mark the channel (Close) - 들어온 큐 막고
    1. NO MORE MESSAGE TO COME
    2. OR) Not gonna be recorded
  3. Send Marker to everyone - 마커 init 한애 빼고 다 보내기
  4.  $C_{ki}$  빼고는 전부 다 record

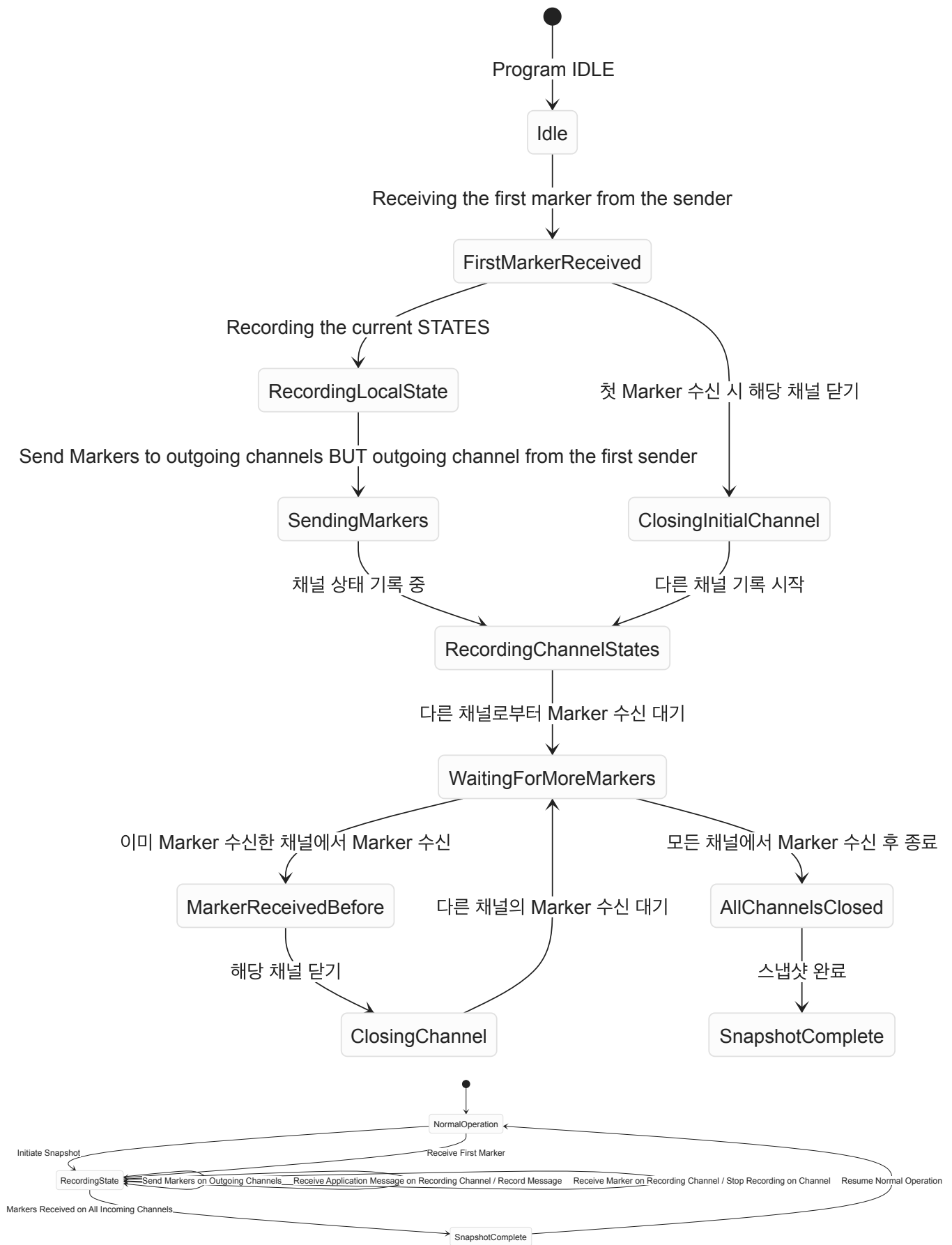
## Sender



s1 --> s2: A transition

s2 : This is a state description

## Receiver



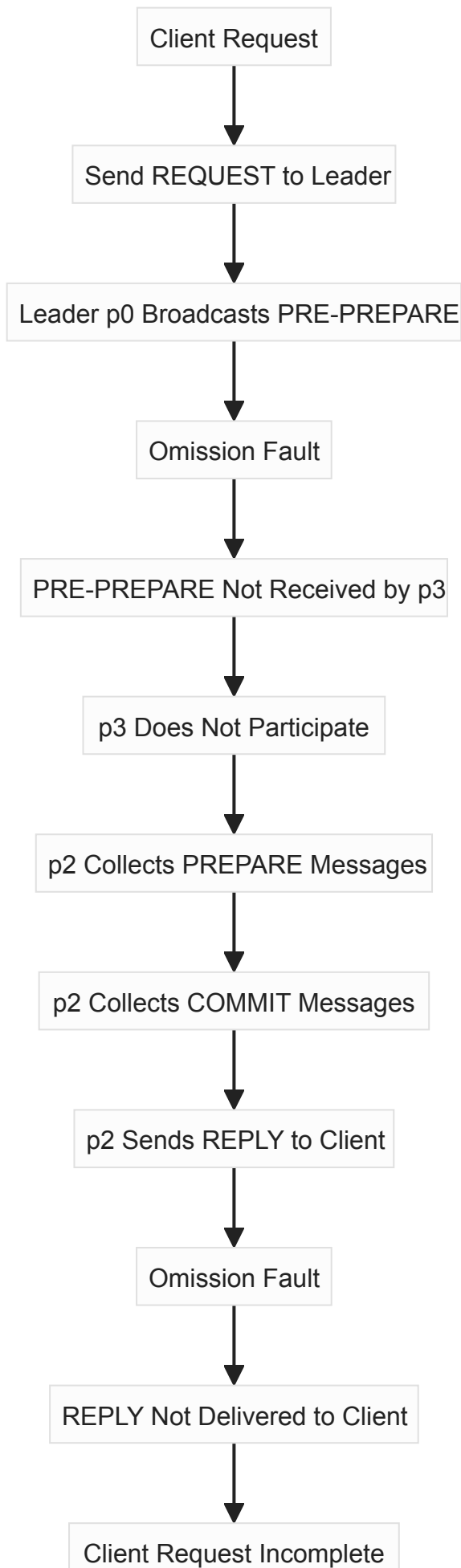
예를 들어 P1,P2,P3,P4가 있으면

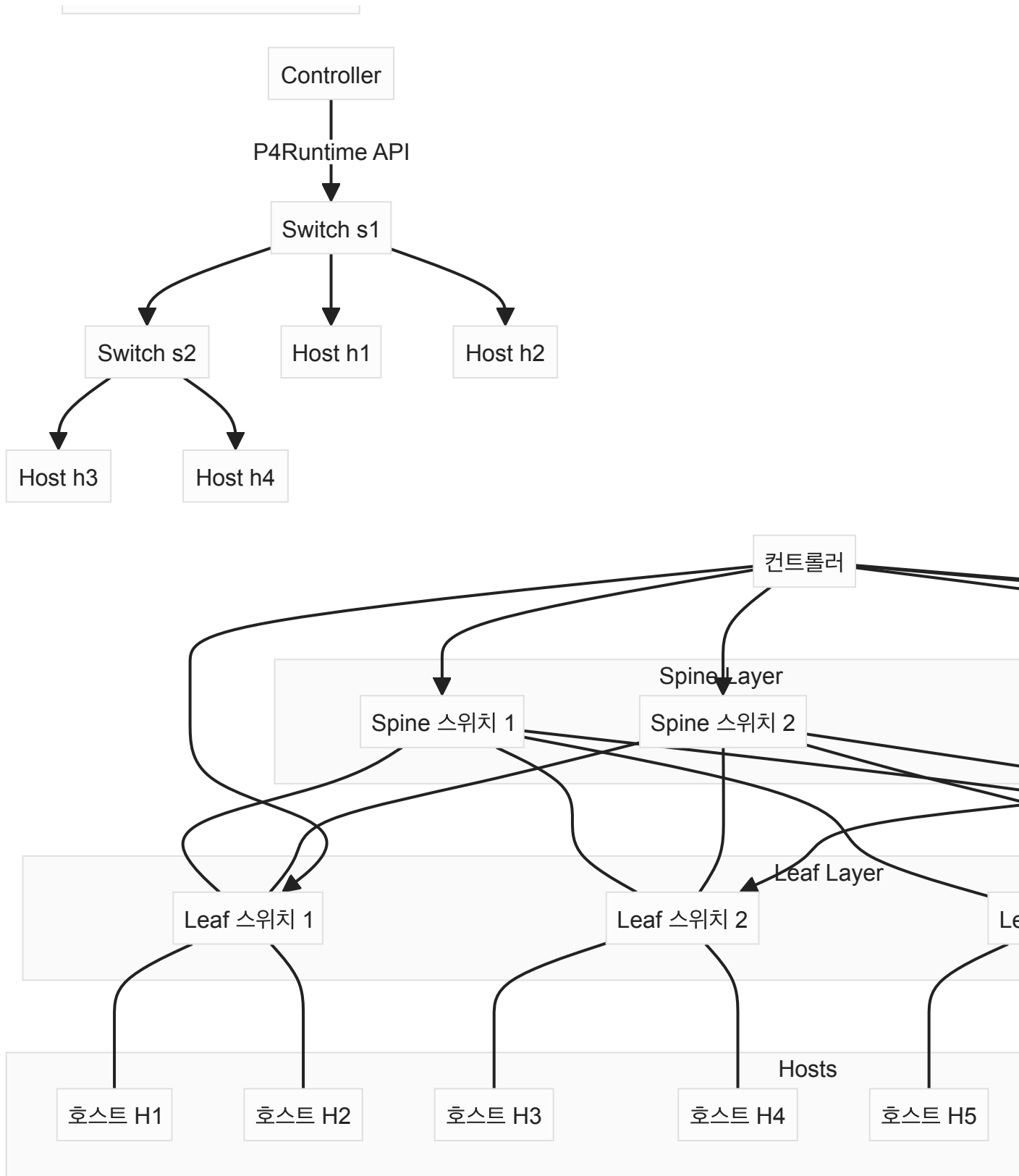
1. P1이 스냅샷을 시작한다
2. P1이 상태를 저장한다
3. P1 이 P2,P3,P4에 마커를 보낸다
4. P2,P3,P4는 마커를 받은 채널을 폐쇄한다 (더이상 받지 않음)
  1. 폐쇄된 채널
    1. P1->P2
    2. P1->P3
    3. P1->P4
5. P2,P3,P4는 상태저장을 시작한다 (순간저장이 아니라 지속적으로 저장한다)
6. 각각 다른채널로 마커를 보낸다
  1. P2->P3,P4
  2. P3->P2,P4
  3. P4->P3,P4

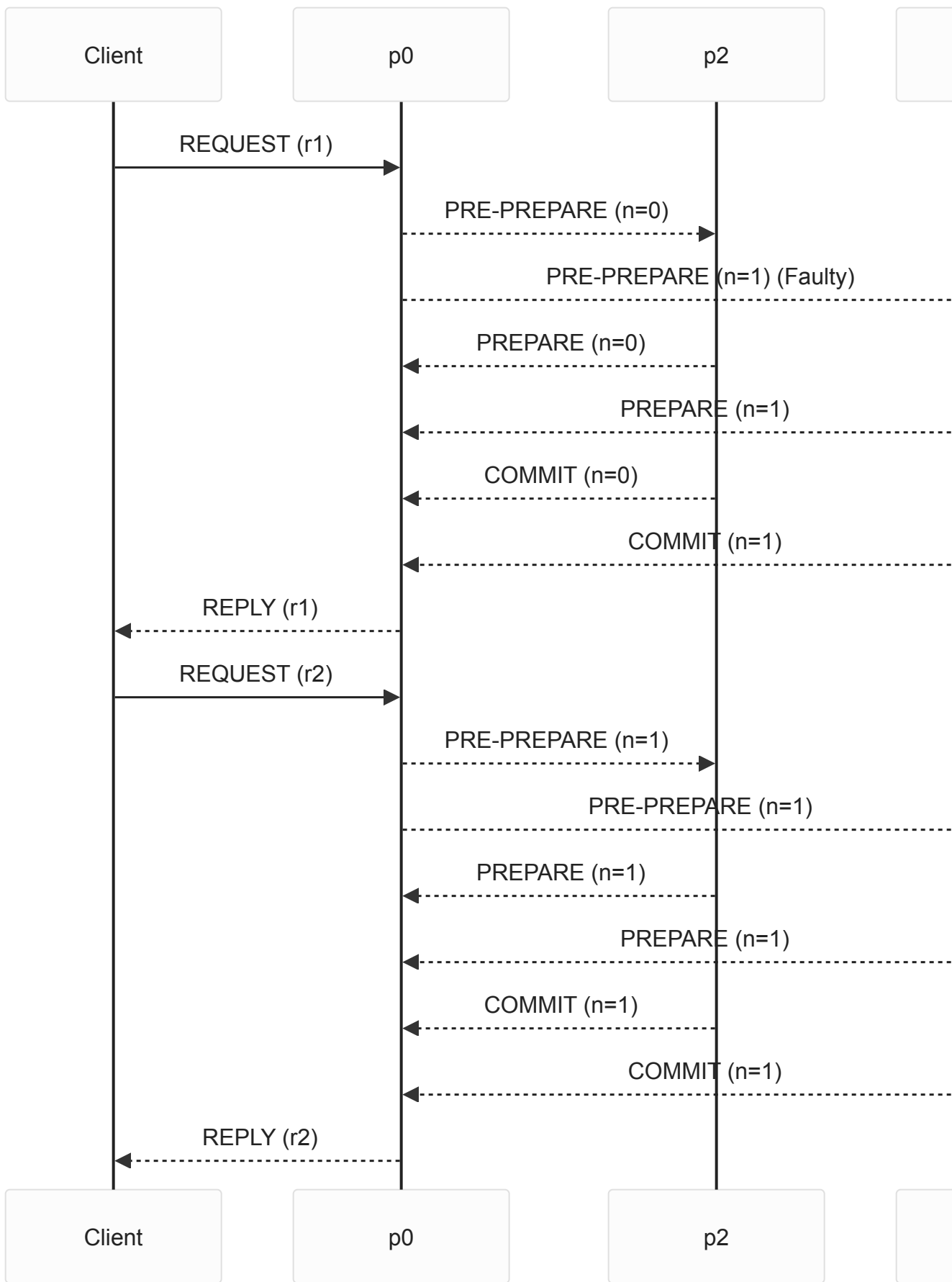
## MARKER 주석

Error parsing Mermaid diagram!

No diagram type detected matching given configuration for text:







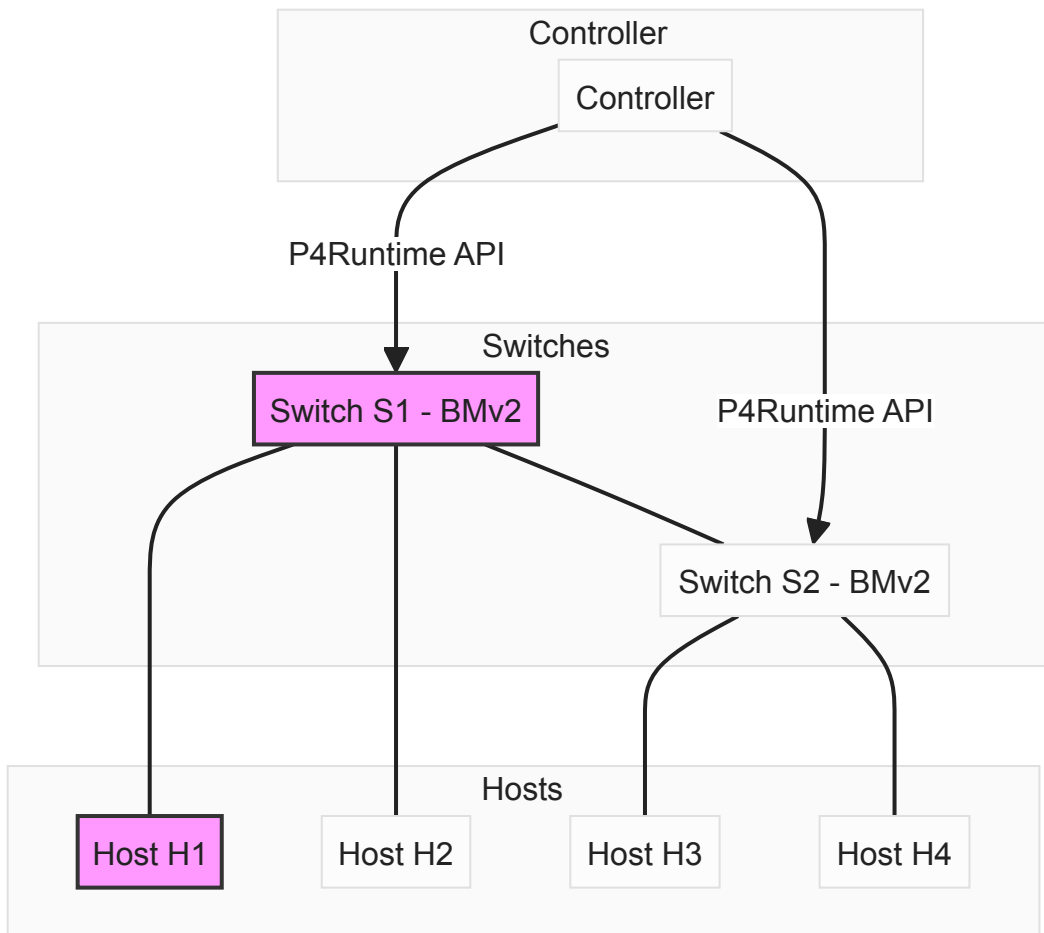
Error parsing Mermaid diagram!

Parse error on line 7:

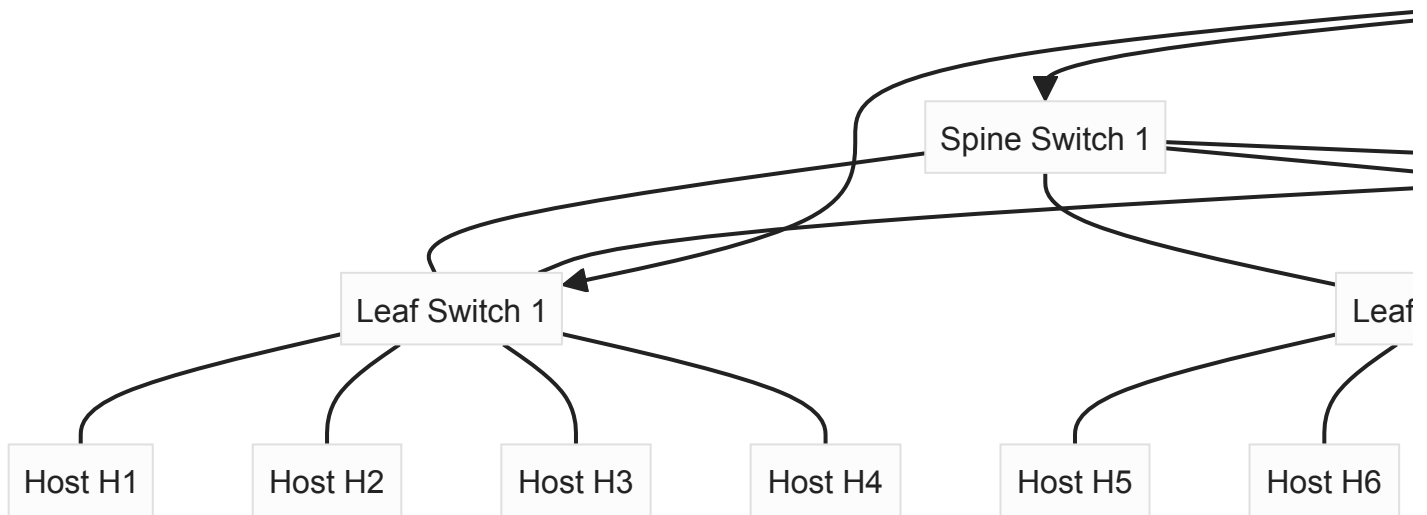
```
...      S1[Switch S1 (BMv2)]      S2[S
```

-----^

Expecting 'SQE', 'DOUBLECIRCLEEND', 'PE', '-)', 'STADIUMEND',  
'SUBROUTINEEND', 'PIPE', 'CYLINDEREND', 'DIAMOND\_STOP', 'TAGEND', 'TRAPEND',  
'INVTRAPEND', 'UNICODE\_TEXT', 'TEXT', 'TAGSTART', got 'PS'







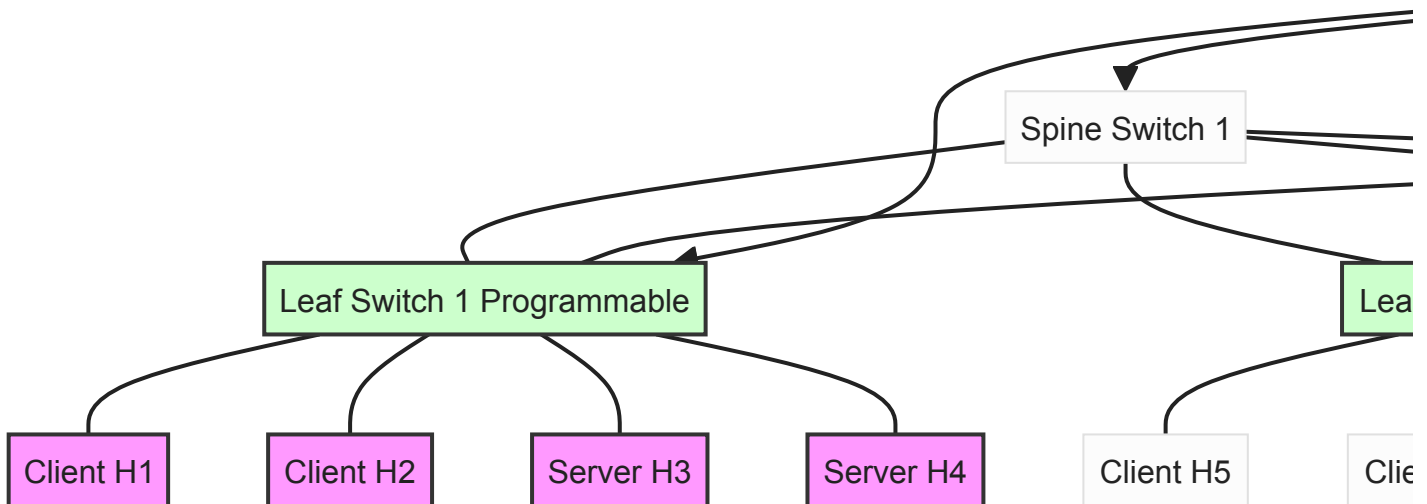
Error parsing Mermaid diagram!

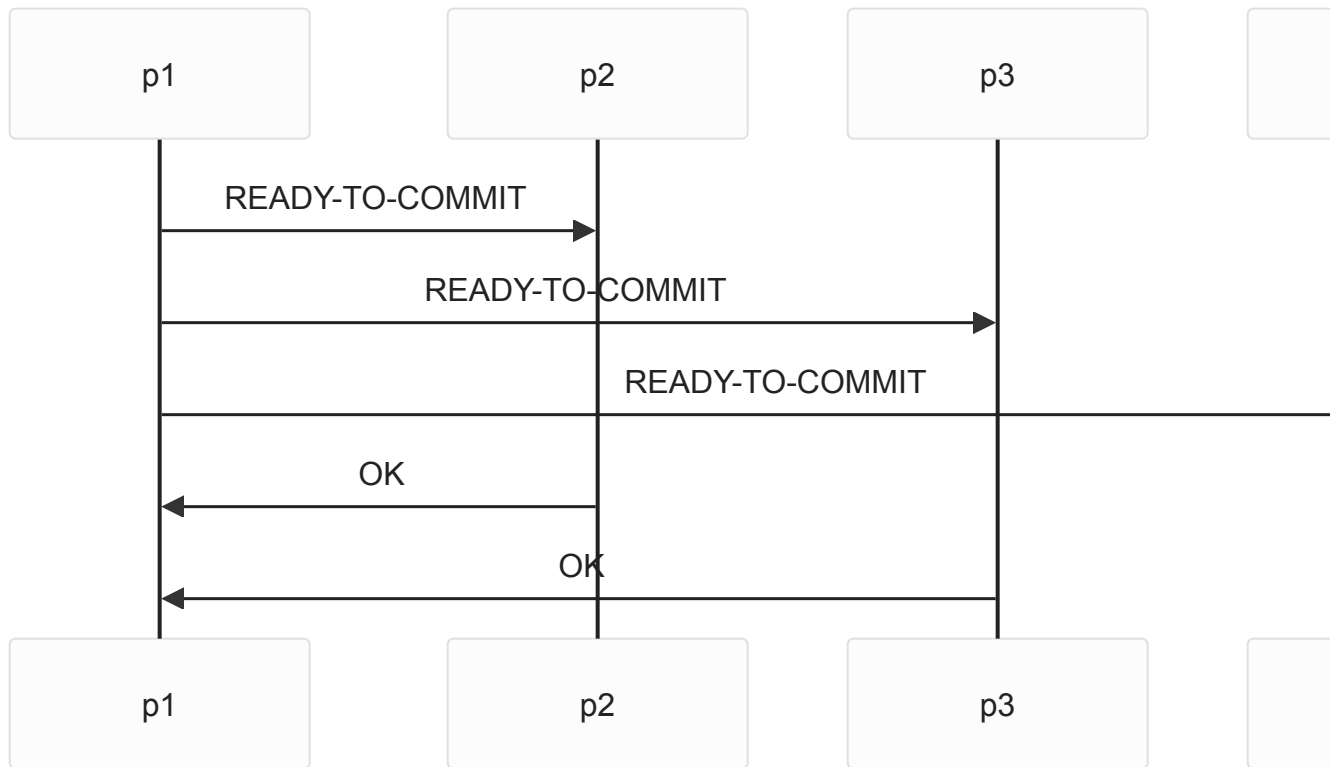
Parse error on line 5:

```
...Leaf1[Leaf Switch 1 (Programmable)]
```

-----^

Expecting 'SQE', 'DOUBLECIRCLEEND', 'PE', '(-)', 'STADIUMEND',  
 'SUBROUTINEEND', 'PIPE', 'CYLINDEREND', 'DIAMOND\_STOP', 'TAGEND', 'TRAPEND',  
 'INVTRAPEND', 'UNICODE\_TEXT', 'TEXT', 'TAGSTART', got 'PS'





## Leadership

1. Ignore -> Leamessages from me

## PAXOS

1. Leadership process how works?

1. After detecting failure?

VID -> collectivley inrement

## MEMBERSHIP SERVICE

$f+1$

2라운드 얼마나 많은 라우드가 있는가?

Round? = Delta =

끝까지 기다리고 다음번 라운드에 보낸다

매 라운드마다 fail 하는 프로세스가 하나씩 있으면

$2(f+1)$

Reliable Multi-cast

FLP

Possibility - NO

