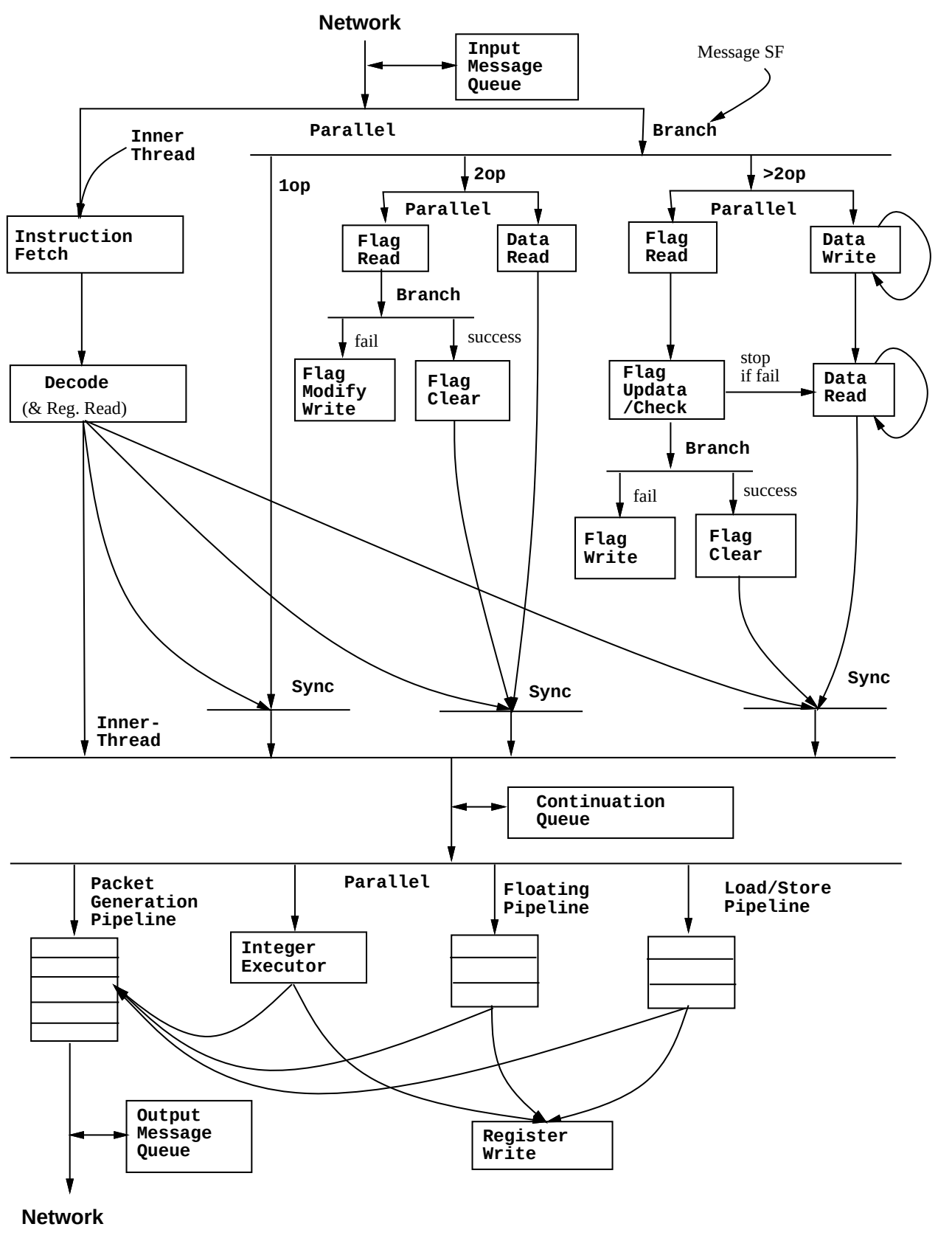
Network
Input Message Queue
Message SF
Parallel
Branch
Inner Thread
1op
2op
>2op
Parallel
Parallel
Instruction Fetch
Flag Read
Data Read
Flag Read
Data Write
Branch
fail
success
Flag Modify Write
Flag Clear
Flag Updata /Check
stop if fail
Data Read
Decode
(& Reg. Read)
Branch
fail
success
Flag Write
Flag Clear
Sync
Sync
Sync
Inner-Thread
Continuation Queue
Packet Generation Pipeline
Parallel
Floating Pipeline
Load/Store Pipeline
Integer Executor
Output Message Queue
Register Write
Network