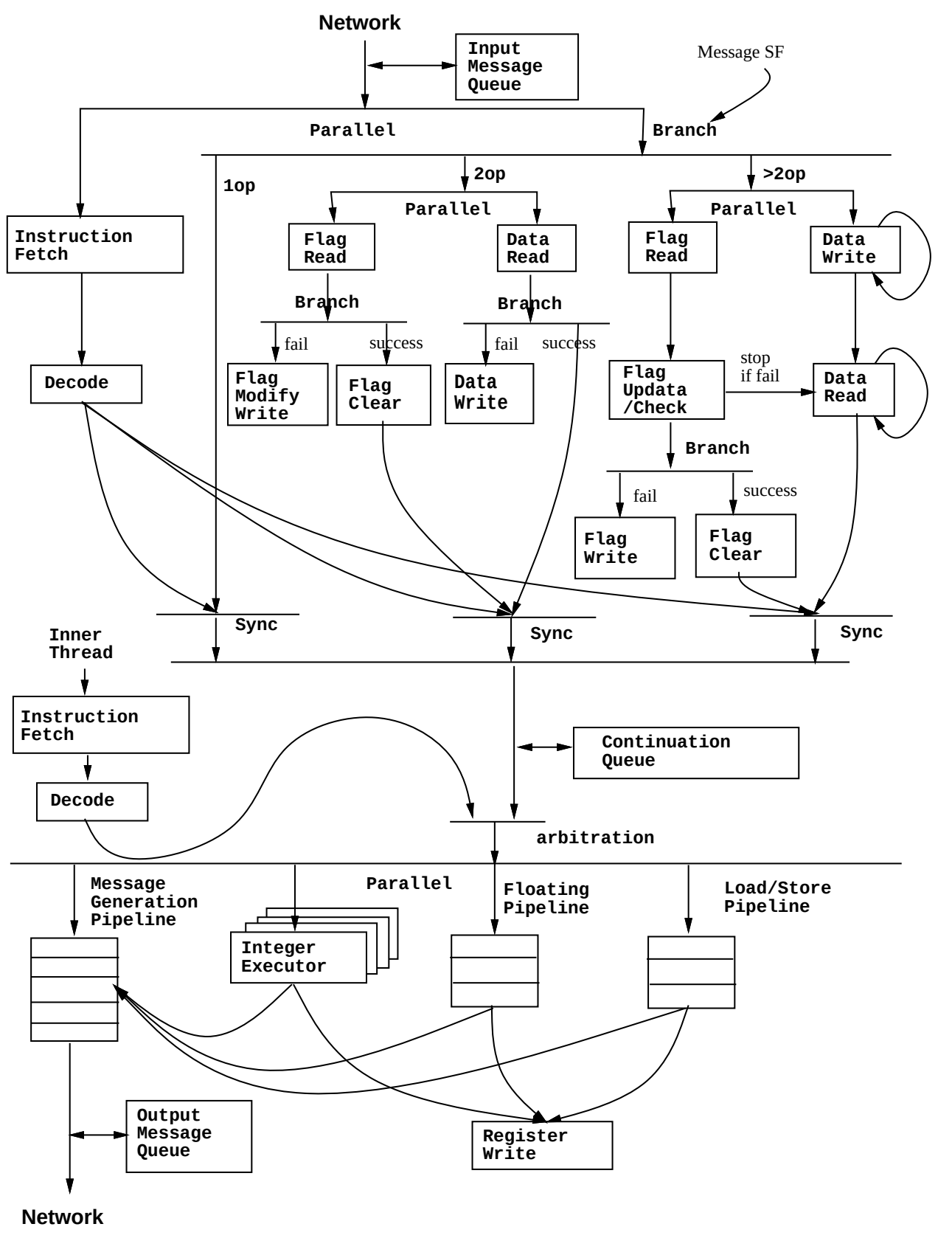
Network
Input Message Queue
Message SF
Parallel
Branch
1op
2op
>2op
Parallel
Parallel
Instruction Fetch
Flag Read
Data Read
Flag Read
Data Write
Branch
Branch
fail
success
fail
success
Decode
Flag Modify Write
Flag Clear
Data Write
Flag Updata /Check
stop if fail
Data Read
Branch
fail
success
Flag Write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