RMT		IQ Free List
AMT		WAT
Rename		Ready Bit Table

Fetch Decode

PC_NEXT

Branch predictor

Frontend

PRF Freelist

Scheduler

Dispatch Unit

Payload Ram

Wakeup Logic Select Logic

Issue Queue

ROB

0
1

PRF/Bypass Read Exec Unit PRF/Bypass Write

PRF

Execution

Toplevel

})