Scheduler State Machine Diagram - Iter 2
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DISPATCH_FILE_REQUEST_TO_ELEVATOR

dispatchRequest /
sendRequestToElevatorSubsystem

[isFileRequestValid
&& source == FloorSubsystem]

AWAIT_REQUEST
do / waitForRequest

receiveRequest

[request instanceof FileRequest] /
validateFileRequest

[isFileRequestValid
&& source == ElevatorSubsystem]

[! isRequestTypeRecognized]

dispatchRequest /
discardInvalidRequest

INVALID_REQUEST

[! isFileRequestValid]

dispatchRequest /
sendRequestToFloorSubsystem

DISPATCH_FILE_REQUEST_TO_FLOOR