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1. By use of a diagram explain the seven state processes

NEW

When a process is created

READY

When the process is waiting to be assigned CPU

RUNNING

The process is being executed

TERMINATED

The process has finished its execution

WAITING

The process is for, eg I/O operation to occur

SUSPEND WAIT

The process is in waiting state because the OS moved it to disk to free up memory and is waiting for an external event to finish

SUSPEND READY

The process was ready but was moved to secondary memory by the OS maybe to free up space for higher priority process to execute

TERMINATED

RUNNING

SUSPEND

READY

SUSPEND

WAIT

WAITING

READY

NEW