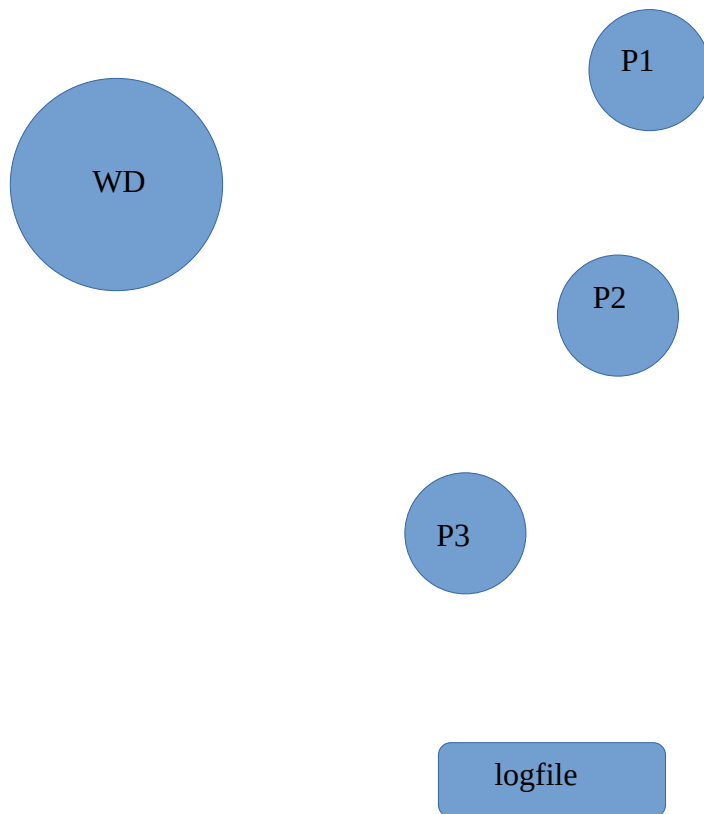A simple watchdog **with** signals, two versions. The explanation has been given in the 24 October class.

P1, P2, P3 do something: endless loops, with different periods using usleep(), one of them may interact so that you stop it during the test phase.

WD checks their states with a greater period with respect to the Pis' periods. A logfile is produced with this check's results. The "**state**" is a couple of values: **PID, time of the day** (find a function to retrieve it).

Version 1: WD sends a signal to Pi; Pi writes its state into the logfile.

Version 2: the Pis, with a greater period with respect to the their periods, send a signal to WD and it writes their state into the logfile.

For both versions: if WD detects a Pi without activity for more than DT seconds, it terminates all and reports the fact in the logfile.

Do not forget the master process!

Use ncurses!