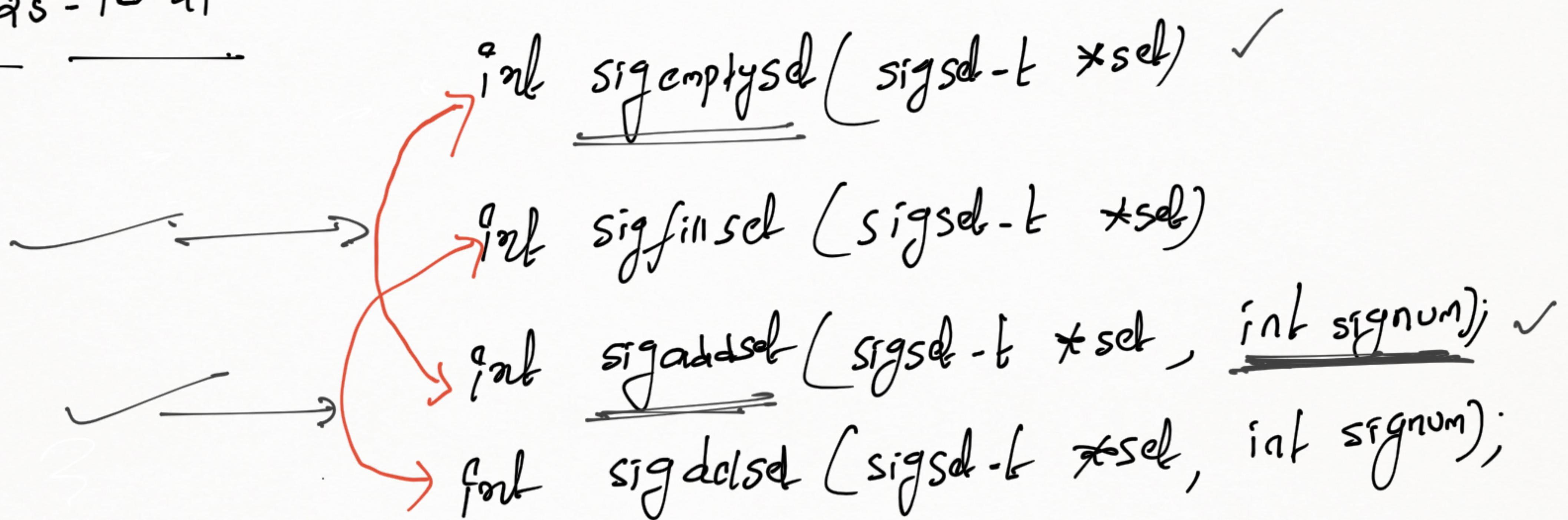


Dat: 95-10-21

→



✓ sigemptyset (& u.sa.mask)

✓ sigaddset (& u.sa.mask, 3)

→ During signal no 2 ISR execution
signal 2 not allowed all other signals
allowed but except 3

void isr (int n)

3 = 2

3 = 2

main()

3

sigaction(2, & u, 0);
while(1);

3

significat (v. sa-mak);

sig dclset (8 V-Sa-mask, 3) ✓

⇒ If signal no 2 ISR is executing during ISR execution time signal no 2 not allowed and also all other signals also not allowed but except ③ ✓

Voted first (final 9)

main()
{
}

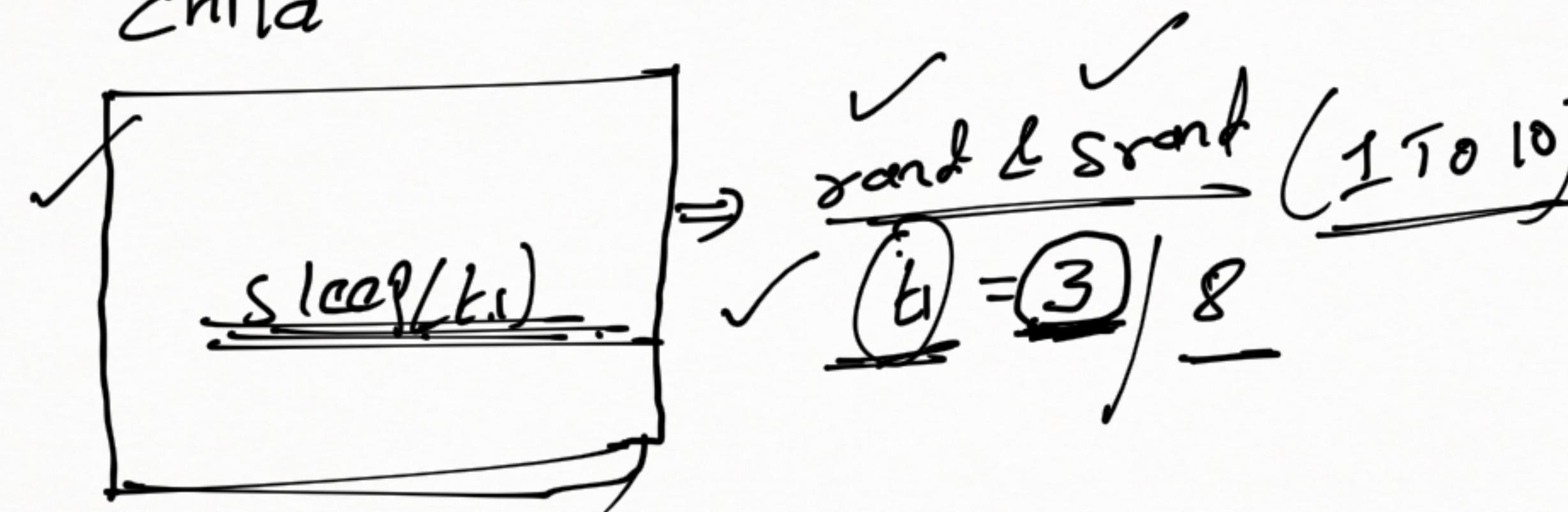
except ③ ✓ sigaction(2, &v, 0);
while(1;

ASS

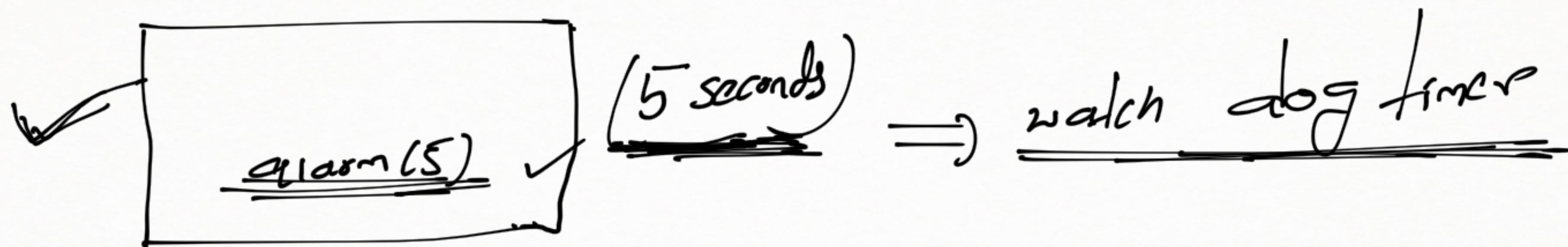
watch dog Timer

Write a program to implement watch dog timer by
as parent for child process, parent process checks the
time of child, if it exceeds 5 seconds then parent
forcefully terminates the child and remove from zombie
if child completes within 5 seconds then no action
is taken by parent.

child



parent



Resource management

- Every process during execution time can use resources
 - Ex: ✓ memory (stack) / data / heap
 - ✓ CPU time.
- Every process having a limit on resource access.
 - By default the limit is provided by the O.S
 - this limit is called soft limit

⇒ we can change the soft limit value.
⇒ soft limit value possible to change upto Hard
limit (it is the calling value for soft limit).
⇒ as a user we can change soft limit value
(Inc/dec) but hard limit we can not increase but can

decrease
⇒ when a child process created, child process inherits
the parent process soft limit value for resource access

⇒ since bash is the parent for process created by default
so every process inherits bash limits.

⇒ To display the bash limits use command
\$ ulimit -a

⇒ after process started execution with in the process
it is possible to get the resource limit value and
also to set the resource limit values.