Signals

`Ctrl + C`

SIGINT

Terminate!

alarm (n)

alarm (3)

Kernel

SIGALRM

after 3 secs
SIGSTOP

↓

Ctrl + Z
Interrupt \[ \rightarrow \text{Instr.} \]

Fault \[ \rightarrow \text{I}_{\text{next}} \]

System call \[ \rightarrow \text{I}_{\text{cum}} \]

System call \[ \rightarrow \text{I}_{\text{next}} \]
Signals

Kernel ➔ SIG SEG V ➔ P

access
addr 0x0

Ctrl+C ➔ SIGINT

Ctrl+Z ➔ SIGTSTP

alarm (5) ➔ after 5 secs ➔ SIGALRM
Receiving a signal
1. Terminate (default action)
2. Ignore
3. Blocked
4. Handled.

Sending a signal
1. alarm(n) - sends a signal to itself.
2. /bin/kill -9 process_id <pid>
3. \texttt{Kill(pid, sig\#)}

\[ \Rightarrow \include \textless \text{sys/types.h} \textgreater \]
\[ \# \ include \textless \text{signal.h} \textgreater \]