

apartado a

```

Luke@luke-VirtualBox:~$ pstree
systemd├─ModemManager─2*[{ModemManager}]
      ├─NetworkManager─2*[{NetworkManager}]
      ├─3*[VBoxClient─VBoxClient─2*[{VBoxClient}]]
      ├─VBoxClient─VBoxClient─3*[{VBoxClient}]
      ├─VBoxService─8*[{VBoxService}]
      └─LibreOffice Writer ts-daemon─2*[{accounts-daemon}]
        ├─atd
        ├─avahi-daemon─avahi-daemon
        ├─colord─2*[{colord}]
        ├─cron
        ├─cups-browsed─2*[{cups-browsed}]
        ├─cupsd
        ├─dbus-daemon
        └─gdm3├─gdm-session-wor├─gdm-x-session├─Xorg─5*[{Xorg}]
              │              │              │└─gnome-session-b├─ssh-agent
              │              │              │                2*[{gnome-
              │              │              │                session-b}]
              │              │              └─2*[{gdm-x-session}]
              │              └─2*[{gdm-session-wor}]
              └─2*[{gdm3}]
        ├─geoclue─2*[{geoclue}]
        ├─gnome-keyring-d─3*[{gnome-keyring-d}]
        ├─2*[{kerneloops}]
        ├─networkd-dispat
        ├─packagekitd─2*[{packagekitd}]
        ├─polkitd─2*[{polkitd}]
        ├─rsyslogd─3*[{rsyslogd}]
        └─rtkit-daemon─2*[{rtkit-daemon}]

```



CTRL DERECHA

18/02/2022 11:37 18°C Despejado

apartado b

```
luke@luke-VirtualBox:~$ ps aux | grep luke
avahi                    517  0.0  0.2  8532  2864 ?        Ss   11:35   0:00 avahi-daemon
: running [luke-VirtualBox.local]
luke                     876  0.0  0.5 19088  5472 ?        Ss   11:35   0:00 /lib/systemd
/systemd --user
luke                     877  0.0  0.1 103344  1212 ?        S    11:35   0:00 (sd-pam)
Ubuntu Software 3      0.1  1.2 1679808 12468 ?        S<sl 11:35   0:00 /usr/bin/pul
seaudio --daemonize=no --log-target=journal
luke                     885  0.0  1.1 520472 11520 ?        SNsl 11:35   0:00 /usr/libexec
/tracker-miner-fs
luke                     887  0.0  0.4 249124  4976 ?        Sl   11:35   0:00 /usr/bin/gno
me-keyring-daemon --daemonize --login
luke                     891  0.0  0.5 172820  5776 tty2      Ssl+ 11:35   0:00 /usr/lib/gdm
3/gdm-x-session --run-script env GNOME_SHELL_SESSION_MODE=ubuntu /usr/bin/gnome
-session --systemd --session=ubuntu
luke                     893  1.2  6.1 584784 60888 tty2      Sl+   11:35   0:03 /usr/lib/xor
g/Xorg vt2 -displayfd 3 -auth /run/user/1000/gdm/Xauthority -background none -n
oreset -keeptty -verbose 3
luke                     895  0.0  0.5  8952  5092 ?        Ss   11:35   0:00 /usr/bin/dbu
s-daemon --session --address=systemd: --nofork --nopidfile --systemd-activation
--syslog-only
luke                     902  0.0  0.6 248524  6140 ?        Ssl  11:35   0:00 /usr/libexec
/gvfsd
luke                     907  0.0  0.6 382064  6780 ?        Sl   11:35   0:00 /usr/libexec
```

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apartado c

```
luke@luke-VirtualBox:~$ yes > /dev/null
^Z
[1]+  Detenido                  yes > /dev/null
luke@luke-VirtualBox:~$ bg 1
[1]+ yes > /dev/null &
luke@luke-VirtualBox:~$ S
```

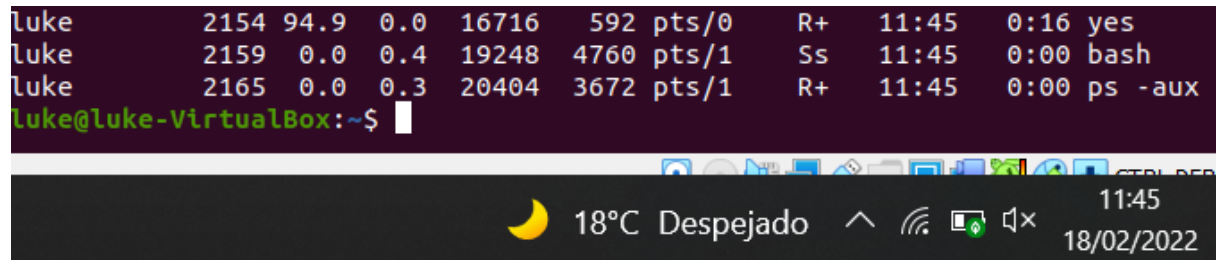
18°C Despejado 11:42 18/02/2022

```
luke@luke-VirtualBox:~$ kill 9 2025
bash: kill: (9) - Operación no permitida
luke@luke-VirtualBox:~$ sudo kill 9 2025
[sudo] contraseña para luke:
kill: (2025): No existe el proceso
[1]+ Terminado                  yes > /dev/null
luke@luke-VirtualBox:~$
```

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apartado d

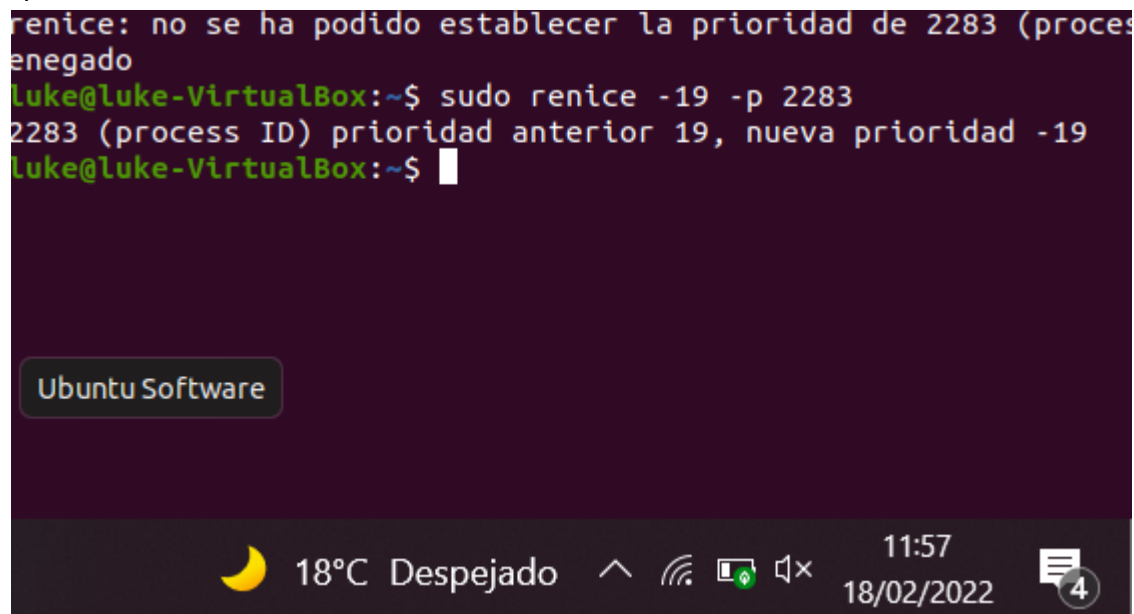
```
luke      2154  94.9  0.0  16716   592 pts/0    R+   11:45   0:16 yes
luke      2159   0.0  0.4  19248  4760 pts/1    Ss   11:45   0:00 bash
luke      2165   0.0  0.3  20404  3672 pts/1    R+   11:45   0:00 ps -aux
luke@luke-VirtualBox:~$
```



The image shows a terminal window with a dark purple background. It displays the output of the 'ps -aux' command, showing three processes for user 'luke'. The first line shows a process with PID 2154, CPU 94.9%, MEM 0.0%, RSS 16716, and PTM 592. The second line shows a process with PID 2159, CPU 0.0%, MEM 0.4%, RSS 19248, and PTM 4760. The third line shows a process with PID 2165, CPU 0.0%, MEM 0.3%, RSS 20404, and PTM 3672. The prompt is 'luke@luke-VirtualBox:~\$'. Below the terminal window is a system status bar with a yellow crescent moon icon, '18°C Despejado', a network icon, a battery icon, a speaker icon, the time '11:45', and the date '18/02/2022'.

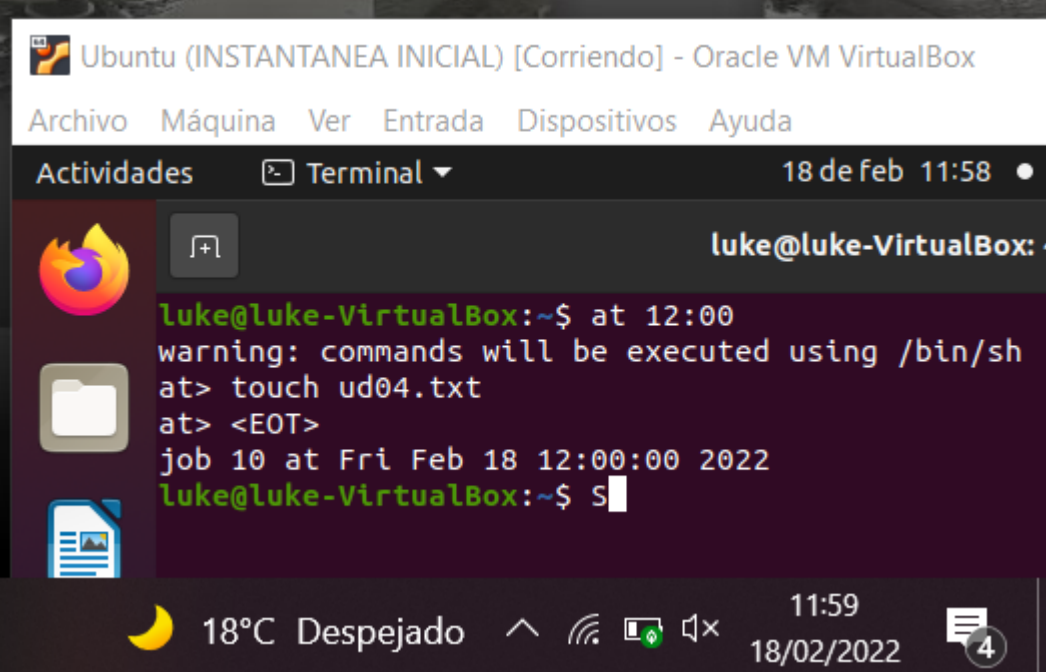
apartado e

```
renice: no se ha podido establecer la prioridad de 2283 (proces
enegado
luke@luke-VirtualBox:~$ sudo renice -19 -p 2283
2283 (process ID) prioridad anterior 19, nueva prioridad -19
luke@luke-VirtualBox:~$
```



The image shows a terminal window with a dark purple background. It displays the output of the 'renice -19 -p 2283' command. The first line shows an error message: 'renice: no se ha podido establecer la prioridad de 2283 (proces enegado'. The second line shows the command being executed: 'luke@luke-VirtualBox:~\$ sudo renice -19 -p 2283'. The third line shows the output: '2283 (process ID) prioridad anterior 19, nueva prioridad -19'. The prompt is 'luke@luke-VirtualBox:~\$'. Below the terminal window is a system status bar with a yellow crescent moon icon, '18°C Despejado', a network icon, a battery icon, a speaker icon, the time '11:57', the date '18/02/2022', and a notification icon with the number '4'.

4-  
apartado a



Ubuntu (INSTANTANEA INICIAL) [Corriendo] - Oracle VM VirtualBox

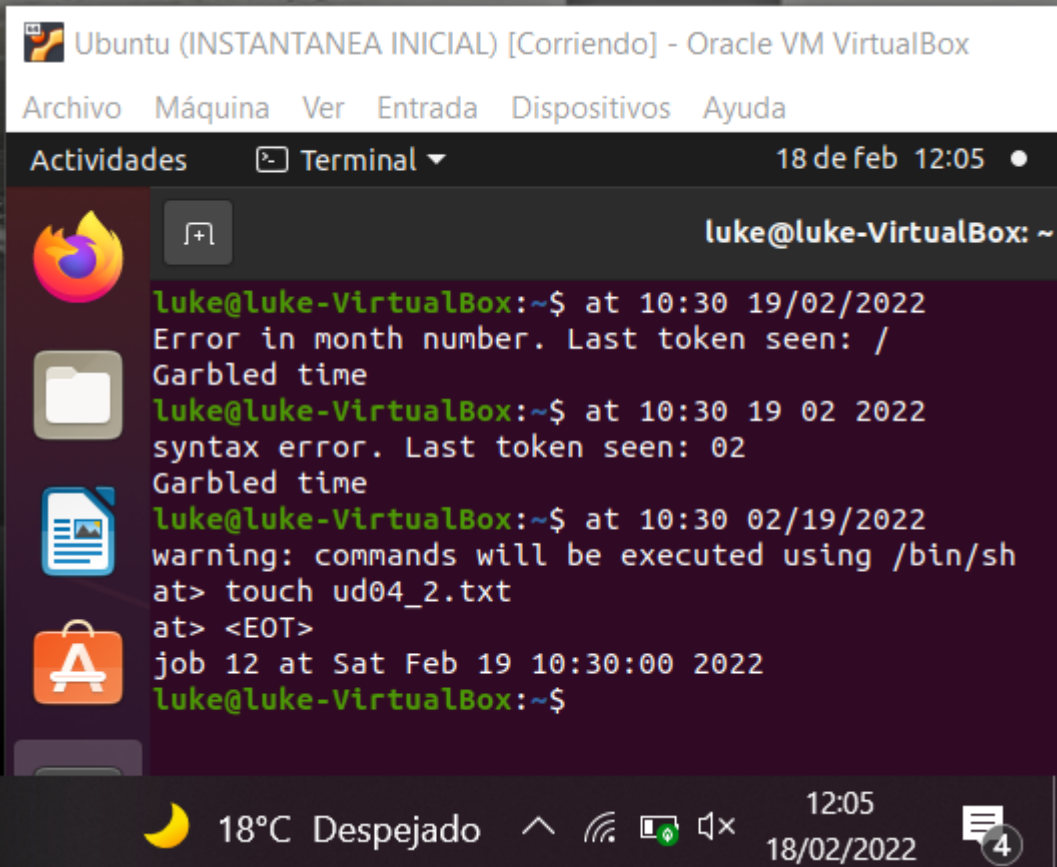
Archivo Máquina Ver Entrada Dispositivos Ayuda

Actividades Terminal 18 de feb 11:58

luke@luke-VirtualBox: ~\$ at 12:00  
warning: commands will be executed using /bin/sh  
at> touch ud04.txt  
at> <EOT>  
job 10 at Fri Feb 18 12:00:00 2022  
luke@luke-VirtualBox:~\$ S

18°C Despejado 11:59 18/02/2022

apartado b



Ubuntu (INSTANTANEA INICIAL) [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

Actividades Terminal 18 de feb 12:05

luke@luke-VirtualBox: ~\$ at 10:30 19/02/2022  
Error in month number. Last token seen: /  
Garbled time  
luke@luke-VirtualBox:~\$ at 10:30 19 02 2022  
syntax error. Last token seen: 02  
Garbled time  
luke@luke-VirtualBox:~\$ at 10:30 02/19/2022  
warning: commands will be executed using /bin/sh  
at> touch ud04\_2.txt  
at> <EOT>  
job 12 at Sat Feb 19 10:30:00 2022  
luke@luke-VirtualBox:~\$

18°C Despejado 12:05 18/02/2022

apartado c

```
luke@luke-VirtualBox: ~$ nano fichero
[2]- Hecho nice -n 19 sleep 500
[3]+ Hecho nice -n 19 sleep 500
luke@luke-VirtualBox:~$ batch < fichero
warning: commands will be executed using /bin/sh
job 11 at Fri Feb 18 12:03:00 2022
luke@luke-VirtualBox:~$
```

apartado d

```
* 15 * * 1,4 touch ud04_5.txt
luke@luke-VirtualBox:~$

# m h dom mon dow command
* 4 * */2 5 touch ud04_6.txt
luke@luke-VirtualBox:~$

# m h dom mon dow command
*/15 10-14 * * 6 touch ud04_7.txt
luke@luke-VirtualBox:~$
```

```
* 0 31 12 * touch feliz_anio_nuevo.txt
luke@luke-VirtualBox:~$
```

18°C Despejado 12:23 18/02/2022

apartado e

```
luke@luke-VirtualBox:~$ vmstat 3 9
```

procs	memoria				swap		io		sistema				cpu			
Archivos	wpd	libre	búfer	caché	si	so	bi	bo	in	cs	us	sy	id	wa	st	
0	0	228048	125244	18812	342584	14	98	603	166	295	675	4	10	86	0	
0	0	228048	125244	18812	342588	0	0	0	0	178	716	0	1	99	0	
10	0	228048	133820	18812	332428	4	0	4	0	225	2175	3	7	90	0	
0	0	227792	122716	18820	342656	120	0	120	9	272	2370	5	9	86	0	
0	0	227792	138932	18828	332488	21	0	21	8	269	2423	4	7	89	0	
0	0	227792	140452	18828	332496	0	0	0	0	182	918	0	0	99	0	
0	0	227792	119692	18828	342656	4	0	4	0	256	2372	4	12	83	0	
S 0	0	227536	133640	18828	335460	73	0	73	128	301	2344	5	9	86	0	
S																

18°C Despejado 12:24 18/02/2022