

```
Script started on Tue 12 May 2020 08:36:19 PM EDT
tuser@tutor-vserver:~/cs341$ mtip -f measure.lnx
For command help, type ~?
For help on args, rerun without args
Code starts at 0x100100
Using board # 1
Please type <CR> to confirm console setting:
Setting console dev to COM2Console: colour EGA+ 80x25
COM1 at 0x03f8 (irq = 4) is a 16550A
COM2 at 0x02f8 (irq = 3) is a 16550A
```

```
                Welcome to UMB Tutor for the PC
    UMB Tutor is a 32-bit protected-mode PC debugger/downloader,
        based on Linux, UMB Tutor for m68k, and remote gdb.
UMB Tutor is free software and you are welcome to distribute copies
of it under certain conditions.  There is no warranty for this program.
The copyright and warranty provisions follow the Gnu general public
license, available for view in gdb and elsewhere.  Full sources
available.
--bugs, suggestions, questions to eoneil@cs.umb.edu
```

```
Exception 3 at EIP=00057a9b: Breakpoint
Tutor> ~downloading measure.lnx
```

```
.....Done.
```

```
Download done, setting EIP to 100100.
Tutor> go 100100
Calling set_intr_gate (irq = 3, n = 0x23) to arm interrupt...
Commanding PIC to interrupt CPU for irq 3 (COM2_IRQ)
enabling receiver interrupts in UART...
...done, entering almost-infinite loop
```

time interval= 19443592 us for char=A	}	Input at 1000ms interval
time interval= 988657 us for char=B		
time interval= 988657 us for char=C		
time interval= 988657 us for char=D		
time interval= 1043582 us for char=E		
time interval= 988657 us for char=F		
time interval= 988657 us for char=G	}	Input at 2000ms interval
time interval= 988657 us for char=0		
time interval= 2032239 us for char=1		
time interval= 1977314 us for char=2		
time interval= 1977314 us for char=3		
time interval= 2032239 us for char=4		
time interval= 1977314 us for char=5	}	Input at 3000ms interval
time interval= 2032239 us for char=6		
time interval= 1977314 us for char=a		
time interval= 3020897 us for char=b		
time interval= 2965971 us for char=c		
time interval= 3020897 us for char=d		
time interval= 3020897 us for char=e	}	
time interval= 2965971 us for char=f		
time interval= 3020897 us for char=g		

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time interval= 3020897 us for char=M
time interval= 54925 us for char=N
time interval= 54925 us for char=O
time interval= 54925 us for char=P
time interval= 109850 us for char=Q
time interval= 54925 us for char=R
time interval= 54925 us for char=S
time interval= 109850 us for char=0
time interval= 54925 us for char=1
time interval= 109850 us for char=2
time interval= 54925 us for char=3
time interval= 109850 us for char=4
time interval= 54925 us for char=5
time interval= 54925 us for char=6
time interval= 109850 us for char=m
time interval= 109850 us for char=n
time interval= 54925 us for char=o
time interval= 109850 us for char=p
time interval= 109850 us for char=q
time interval= 54925 us for char=r
time interval= 109850 us for char=s
time interval= 11863886 us for char=□
Quit handler:
killing process 1904 Leaving board #1
tuser@tutor-vserver:~/cs341$ exit
exit

```

Input at 70ms interval

Input at 80ms interval

Input at 90ms interval

Script done on Tue 12 May 2020 08:39:30 PM EDT