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1.1 Aufgabe 1

Run the Programm with the following flags:

```
./process-run.py -l 5:100, 5:100
```

What should the CPU utilization be? Why do you know this? Use the -c and -p flags to see if you were right.

Produce a trace of what would happen when you run these processes:

Process 0

```
cpu
cpu
cpu
cpu
cpu
```

Process 1

```
cpu
cpu
cpu
cpu
cpu
```

Important behaviors:

System will switch when the current process is FINISHED or ISSUES AN IO

After IOs, the process issuing the IO will run LATER (when it is its turn)

Answer:

The CPU utilization should be 100. This is because of the parameters we run the python script with. The first parameter is the number of instructions that process should run, the second parameter the chances (0 - 100) that instruction will use the CPU or issue an I/O

Solution with -c -p

Time	PID: 0	PID: 1	CPU	IOs
1	RUN:cpu	READY	1	
2	RUN:cpu	READY	1	
3	RUN:cpu	READY	1	
4	RUN:cpu	READY	1	
5	RUN:cpu	READY	1	
6	DONE	RUN:cpu	1	
7	DONE	RUN:cpu	1	
8	DONE	RUN:cpu	1	
9	DONE	RUN:cpu	1	
10	DONE	RUN:cpu	1	

Stats: Total Time 10

Stats: CPU Busy 10 (100.00%)

Stats: IO Busy 0 (0.00%)