Tutorial 8 Solution

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Time	0	1	2	3	4	5		6	
P0	СРИ	СРИ	Preempt, L1	L1	CPU	CPU	~	[Select]	
P1		New, L0	СРИ	CPU	Preempt, L1	[Select]	~	[Select]	
P6								[Select]	

1.

P0

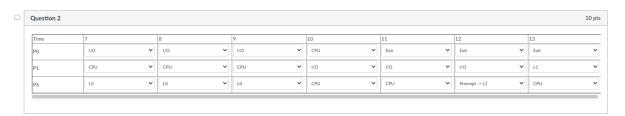
- CPU
- CPU

P1

- L1
- L1

P6

• New L0



2.

- I/O
- I/O
- I/O
- CPU
- Exit
- Exit
- Exit

CSC 369 Tutorial 8 Solution

Correct Solution

- I/O
- I/O
- I/O
- L0(problem statement said it moves up to L0 after I/O)
- L0
- CPU
- Exit

P1

- CPU
- CPU
- CPU
- I/O
- I/O
- I/O
- L1

Correct Solution

- L1
- L1
- CPU
- CPU
- CPU
- I/O
- I/O

- L0
- L0
- L0
- CPU
- CPU

- Preempt->L1
- L1

Correct Solution

- CPU
- CPU
- Preempt L1
- L1
- L1
- L1
- CPU



3.

$\mathbf{P0}$

- -
- -
- -
- -
- -
- -
- -

- L1
- L1
- CPU
- Exit
- -
- -

CSC 369 Tutorial 8 Solution

Correct Solution

- I/O
- Lo
- CPU
- Exit
- -
- -
- -

- CPU
- CPU
- I/O
- I/O
- I/O
- CPU
- Exit