ECGR 4101/5101 LECTURE 25

Snock food machine = requirements (1)

1) The machine shall accept st, 100,254, and \$1.00 coins.

2) The machine shall have a device to detect if

the structure is being shaken or tipped.

3) The machine shall have the ability to return all coins inserted when a "change returned" button is pressed.

UNC Charlotte, Department of Electrical and Computer Engineering ECGR 4101/5101, Fall 2011, Quiz #17

Show all work Your name:

that timer tick interrupts occur every 1 millisecond, all tasks take 1.2 milliseconds to complete, and initialTimerValue for tasks show the variable's value right before the timer tick interrupt occurs. This means that a task will run on the tick when its timer 1. Fill in the table below to show which tasks the processor will execute and when, as well as scheduler table contents. Assume A, B and C are 2, 4 and 5 respectively. Note that the entries in the table in column "Right before n" (e.g. timer, run, enabled) reaches 0 (but show the value after the tick and after the ISR executes). Assume task A has the highest priority, followed by task B and then C. 1.0ms

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