

CSCI 211 Spring 2008
QUIZ 1
Assigned Wednesday, 09-01-14

This quiz is about the two kinds of digital switching circuits that we study in this course. Match:

1. Combinatorial circuit
2. Sequential circuit

with the following examples:

1. The circuit that turns on the compressor of a refrigerator when the temperature is higher than a specified threshold and turns it off when it is lower than the same threshold
2. The circuit that controls a hotel elevator

and with the following properties:

1. output values depend only on input values at the same time
2. output values depend on input values at the same time and on previous events

Answer: 1-1-1, 2-2-2.