

adjustment process.

- 5. When counting downwards, the BCD count would be out of range if the counter counted downwards from \$00 BCD, so this Special Case must be accounted for in your solution.
- 6. Switch SW5 and SW1-1 are in parallel with each other in the simulator and on the hardware board as are SW4 and SW1-2. As such, both switch names are included in the decision boxes.