

AC01-215 (Problem Solving)

(10th Dec.)

Q. Use JK flip-flops to design a counter with the following repeated binary sequence :

0,1,2,3,4,5,6

Q. Recall the question in Quiz 5,
where you had drawn a circuit
that generates six repeated timing
signals using six flip-flops.
Do the same exercise with three
flip-flops using a switch-tail
ring counter.

Q. How do we store the following bit string in RAM so that it is possible to detect as well as correct a single error?

001101010101110
