

**Problem 1**

Using JK flip-flops, design a counter that repeatedly counts 6 – 12.

**Problem 2**

Using D flip-flops, design a counter that repeatedly counts 12 – 6.

**Problem 3**

Using S-R flip-flops, design a counter that repeatedly counts 9 – 3.

**Problem 4**

Using JK flip-flops, design a counter that repeatedly counts 4 – 34.