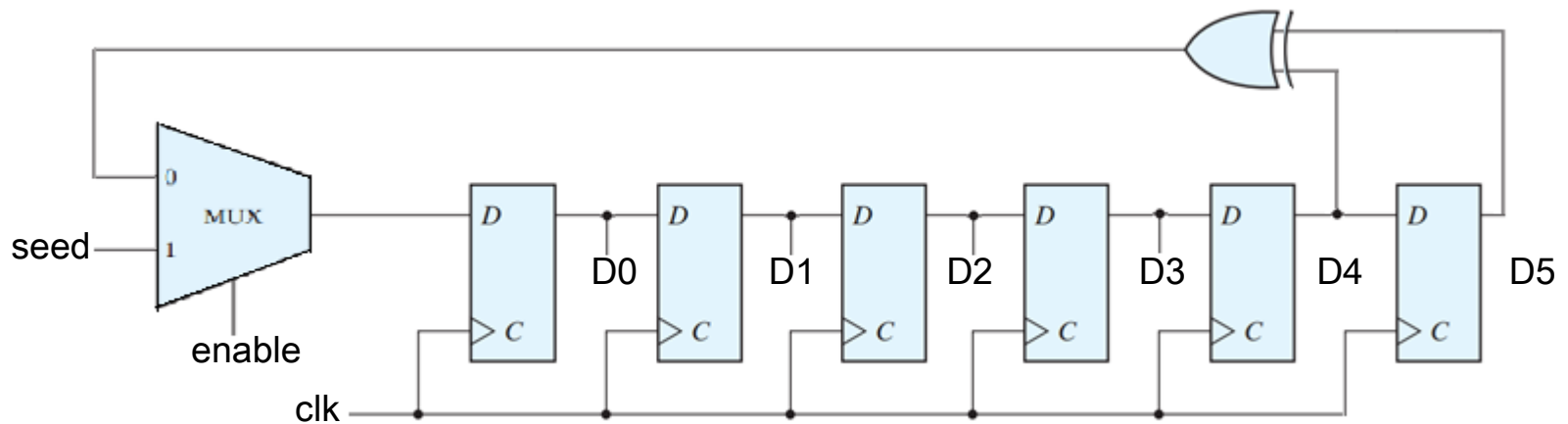




Homework3 : LFSR

1

- Design a random number generator by using LFSR (Linear Feedback Shift Register)
- Range of random number : 1 – 63
- Polynomial of 6_bit LFSR: $1 + x^5 + x^6$
- Seed : 101110





Homework3 : LFSR

2

```
module LFSR (D , clk , enable , seed);  
input  clk, enable, seed;  
output [5:0] D;  
  
.....  
  
endmodule
```

