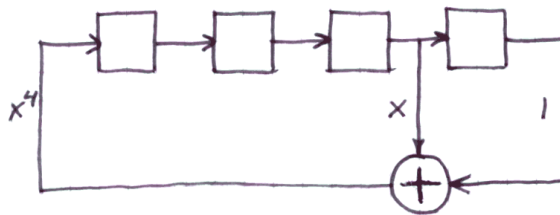


# Generating M-Sequences

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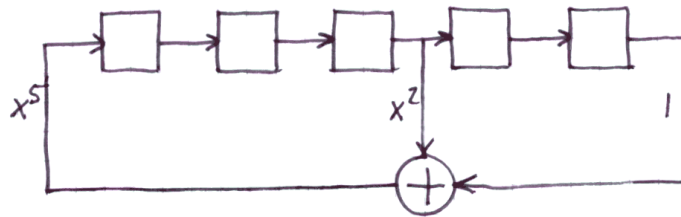
Two examples of how to generate m-sequences, based on primitive polynomials of degrees four and five, using a Fibonacci linear feedback shift register.

Ex.  $x^4 + x + 1$ :



1	0	0	0
0	1	0	0
0	0	1	0
1	0	0	1
1	1	0	0
0	1	1	0
1	0	1	1
0	1	0	1
1	0	1	0
1	1	0	1
1	1	1	0
1	1	1	1
0	1	1	1
0	0	1	1
0	0	0	1

Ex.  $x^5 + x^2 + 1$ :



1	0	0	0	0
0	1	0	0	0
0	0	1	0	0
1	0	0	1	0
0	1	0	0	1
1	0	1	0	0
1	1	0	1	0
0	0	1	1	0
1	0	0	1	1
1	1	0	0	1
1	1	1	0	1
1	1	1	1	1
0	1	1	1	1
0	0	1	1	1

0	0	0	1	1
1	0	0	0	1
1	1	0	0	0
0	1	1	0	0
1	0	1	1	0
1	1	0	1	1
1	1	1	0	1
0	1	1	1	0
1	0	1	1	1
0	1	0	1	1
1	0	1	0	1
0	1	0	1	0
0	0	1	0	1
0	0	0	1	0
0	0	0	0	1

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