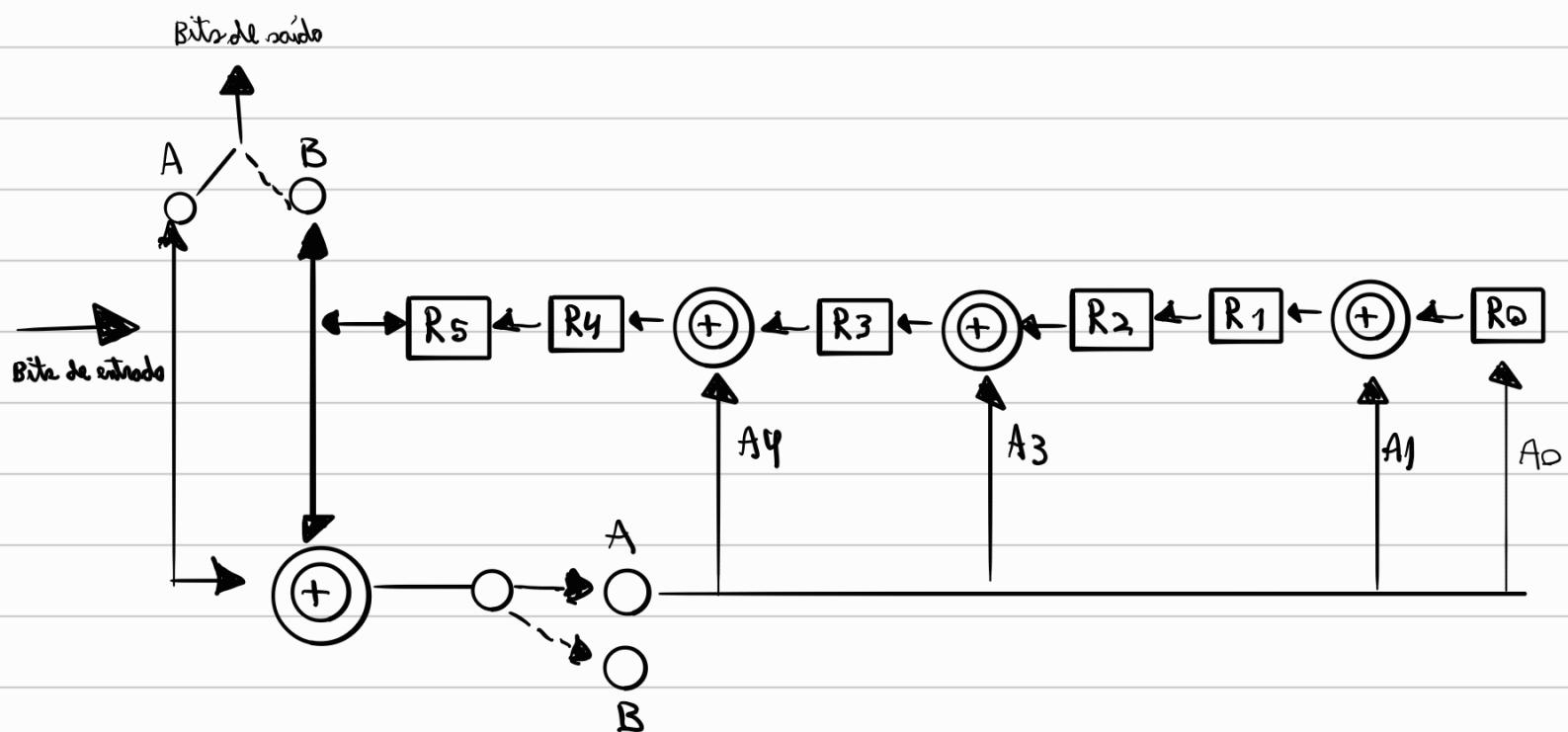


LFSR Simplificado

- Polinômio gerador: $x^6 + x^4 + x^3 + x + 1$, logo:
 - $A_6, A_4, A_3, A_1 \text{ e } A_0 = 1$; $A_5 \text{ e } A_2 = 0$
 - Ligados** **Desligados**
- Vale lembrar que o A_6 não aparece, mas, por ser o mais significativo, já está contido.



Quadro com evolução LFSR

- Equações (Clock)

$$R_5^+ = R_4$$

$$R_4^+ = R_3 \oplus f$$

$$R_3^+ = R_2 \oplus f ; \text{ Com } f = R_5 \oplus F$$

$$R_2^+ = R_1$$

$$R_1^+ = R_0 \oplus f$$

$$R_0^+ = f$$

Tabela gradual:

t	I	f	R_S	R_4	R_3	R_2	R_1	R_0
0	1	1	0	1	1	0	1	1
1	0	0	1	1	0	1	1	0
2	0	1	1	1	0	1	1	1
3	0	1	1	1	0	1	0	1
4	1	0	1	0	1	0	1	0
5	1	0	0	1	0	1	0	0
6	0	0	1	0	1	0	0	0
7	0	1	0	0	1	0	1	1
8	0	0	0	1	0	1	1	0
9	1	1	1	1	0	1	1	1
10	1	0	1	0	1	1	1	0
11	1	0	0	1	1	1	0	0
12	1	1	1	0	0	0	1	1
13	1	0	0	0	0	1	1	0
14	0	0	0	0	1	1	0	0
15	1	1	0	0	0	0	1	1
16	0	0	0	0	0	1	1	0
17	0	0	0	0	1	1	0	0
18	0	0	0	1	1	0	0	0
19	1	1	1	0	1	0	1	1
20	1	0	0	1	0	1	1	0
21	1	1	1	1	0	1	1	0
22	0	1	1	1	0	1	0	1
23	0	1	1	0	0	0	0	1
24	0	1	1	1	1	0	0	1
25	0	1	1	0	1	0	0	1
26	1	0	0	1	0	0	1	0

27	1	1	1	1	1	1	1	1
28	1	0	1	1	1	1	1	0
29	1	0	1	1	1	1	0	0
30	1	0	1	1	1	0	0	0
31	0	1	1	0	1	0	1	1

CRC encontrado em $t=31 \rightarrow 101011$

CRC esperado segundo Q1 $\rightarrow 101011$

esperar feito certo, de trabalho !!

Match!

