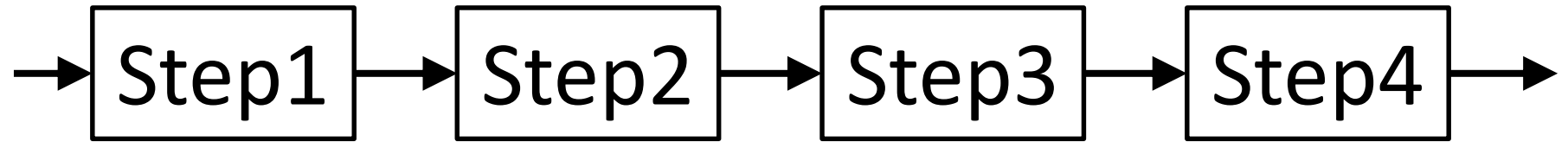




Polynomial

$$P(x) = \sum_{i=0}^n a_i x^i = a_0 x^0 + a_1 x^1 + a_2 x^2 + \cdots + a_{n-1} x^{n-1} + a_n x^n, n \geq 0$$

Pipeline



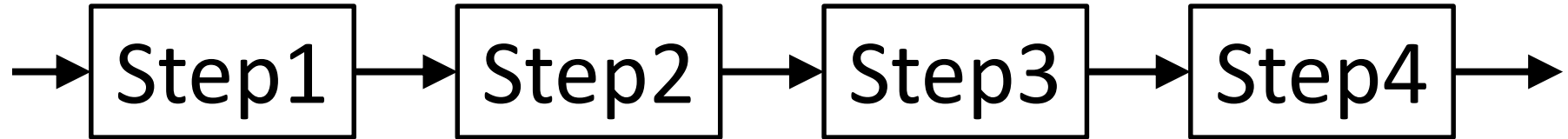


Polynomial calculation + Pipeline

$$P(x) = 1 + 8x + (-4)x^3 + x^4$$

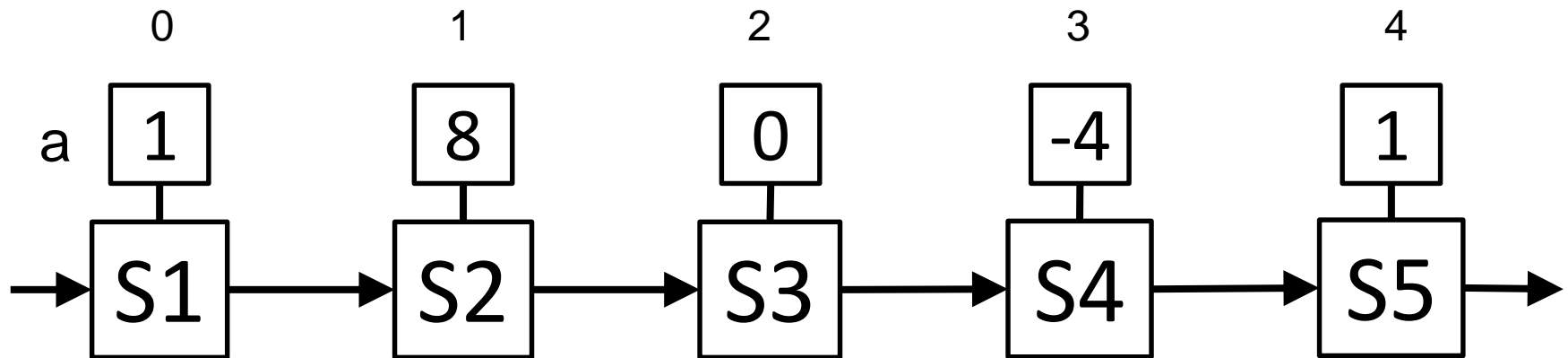
a

0	1	2	3	4
1	8	0	-4	1



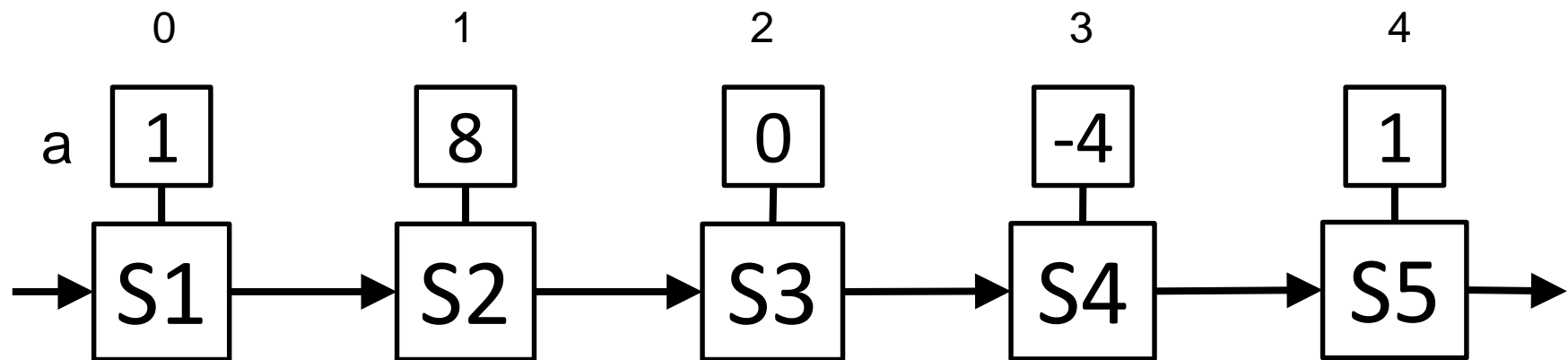
Polynomial calculation + Pipeline

$$P(x) = 1 + 8x + (-4)x^3 + x^4$$



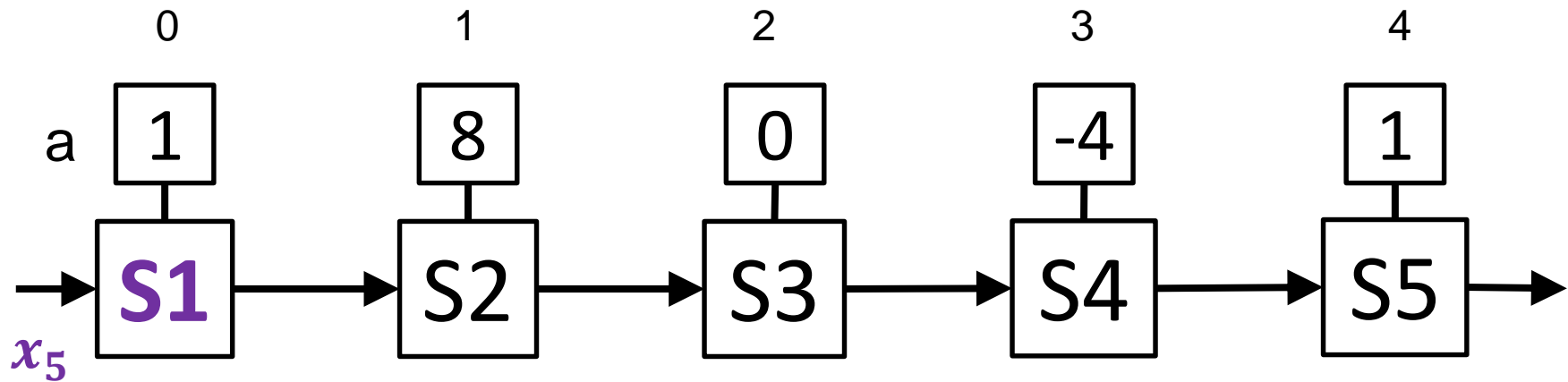
Polynomial calculation + Pipeline

x_1 x_2 x_3 x_4 x_5



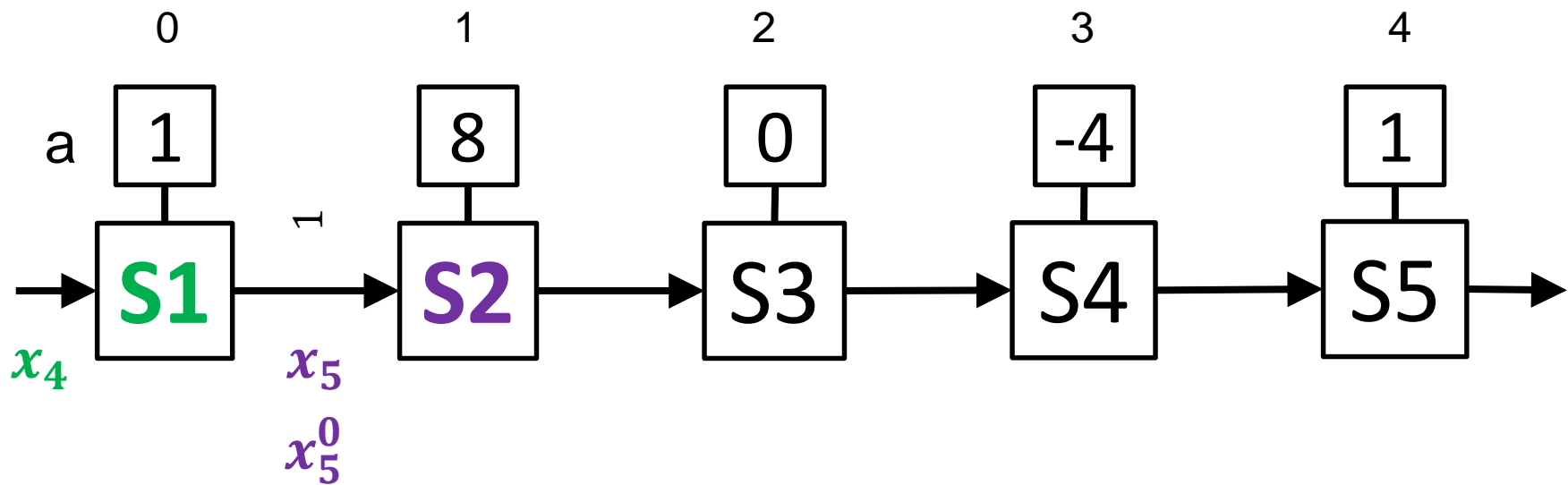
Polynomial calculation + Pipeline

x_1 x_2 x_3 x_4



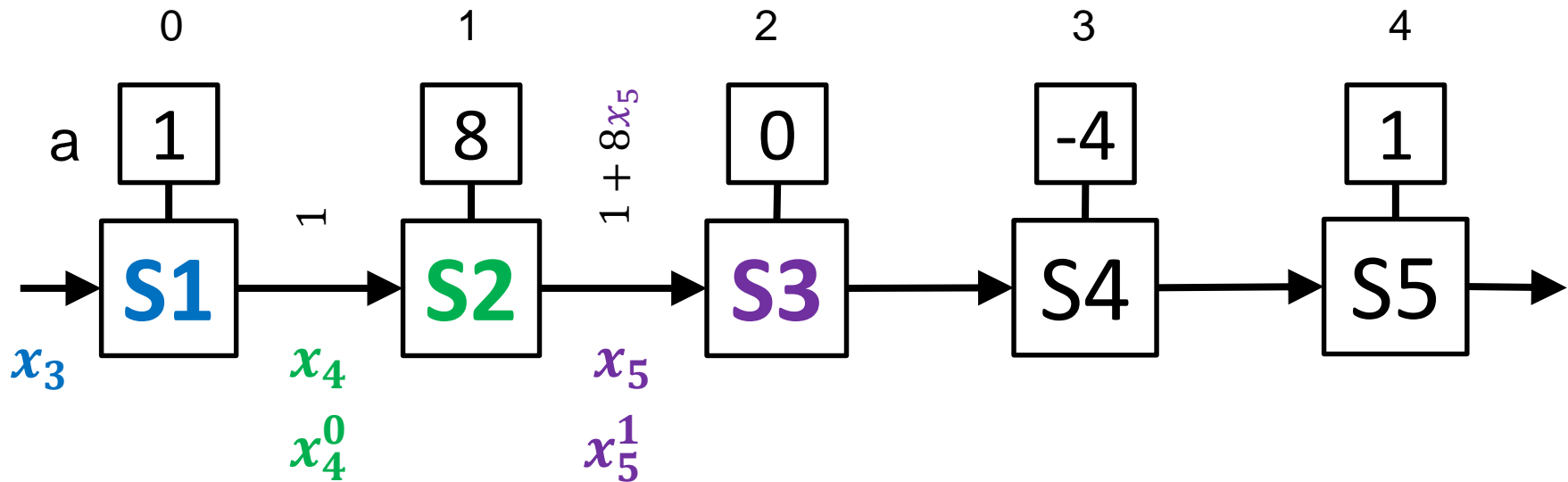
Polynomial calculation + Pipeline

x_1 x_2 x_3



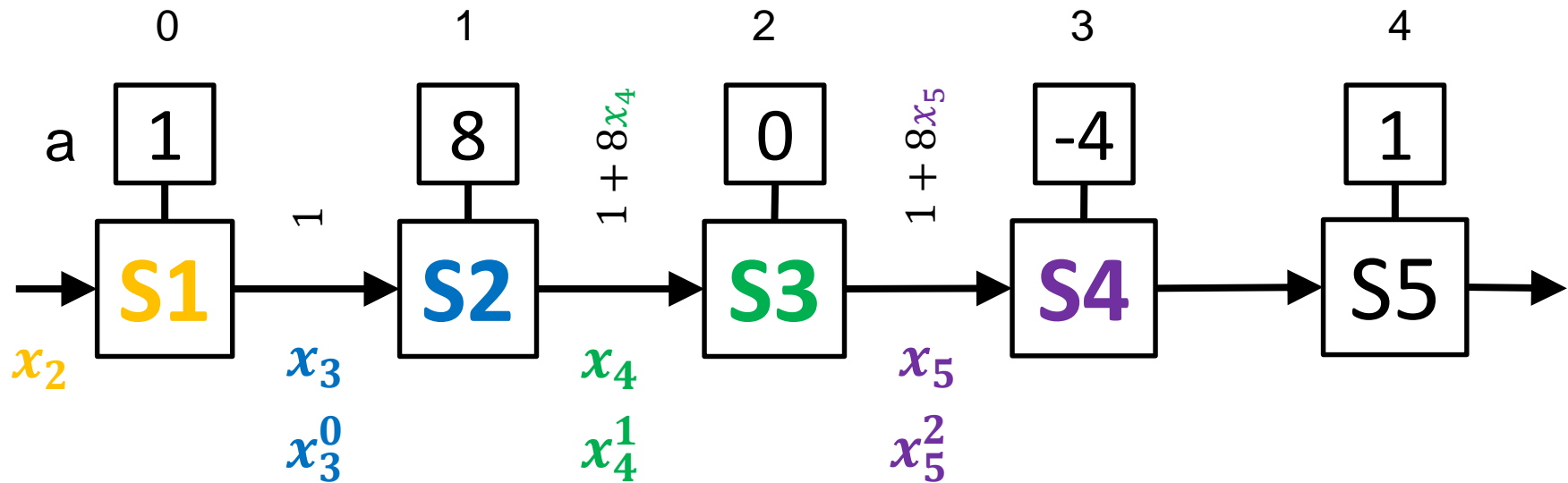
Polynomial calculation + Pipeline

x_1 x_2

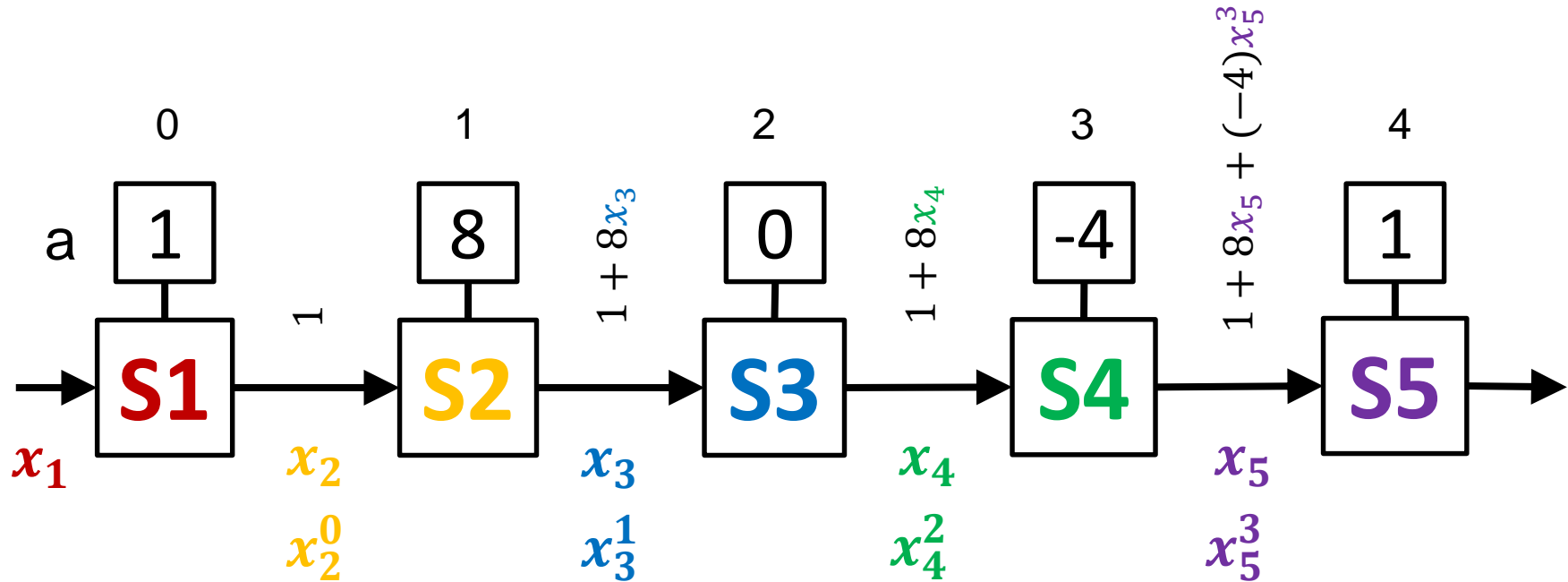


Polynomial calculation + Pipeline

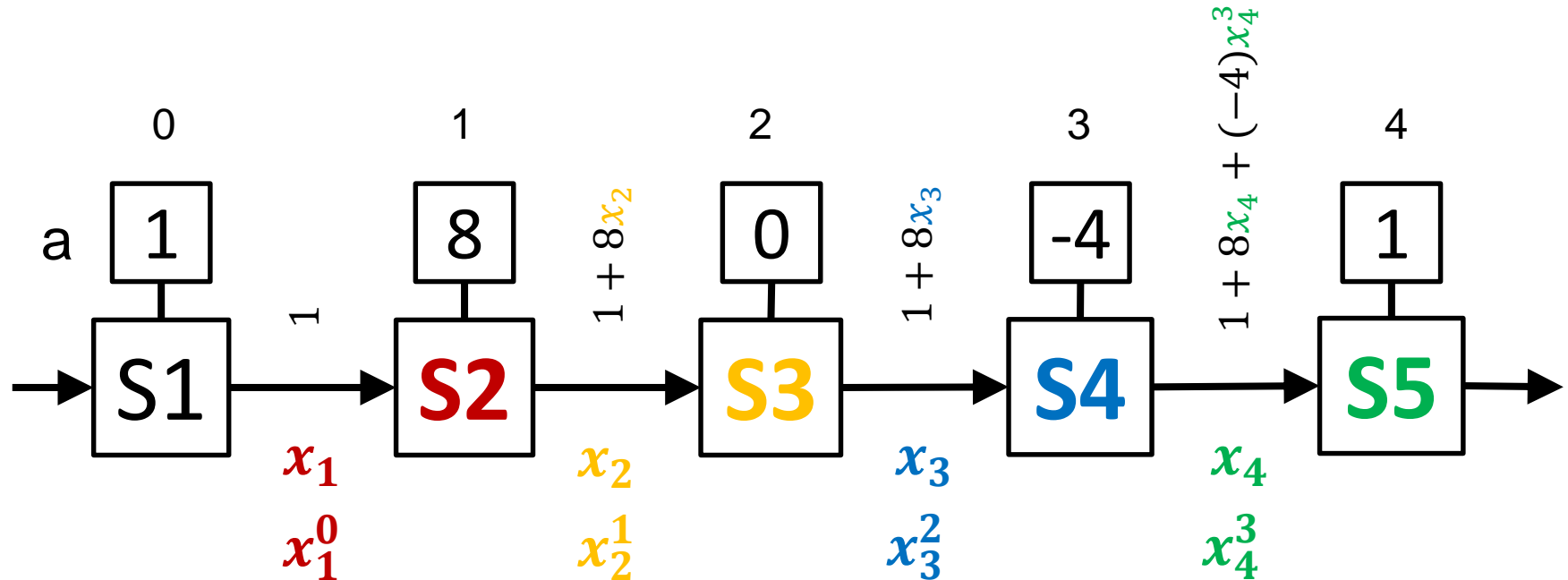
x_1



Polynomial calculation + Pipeline

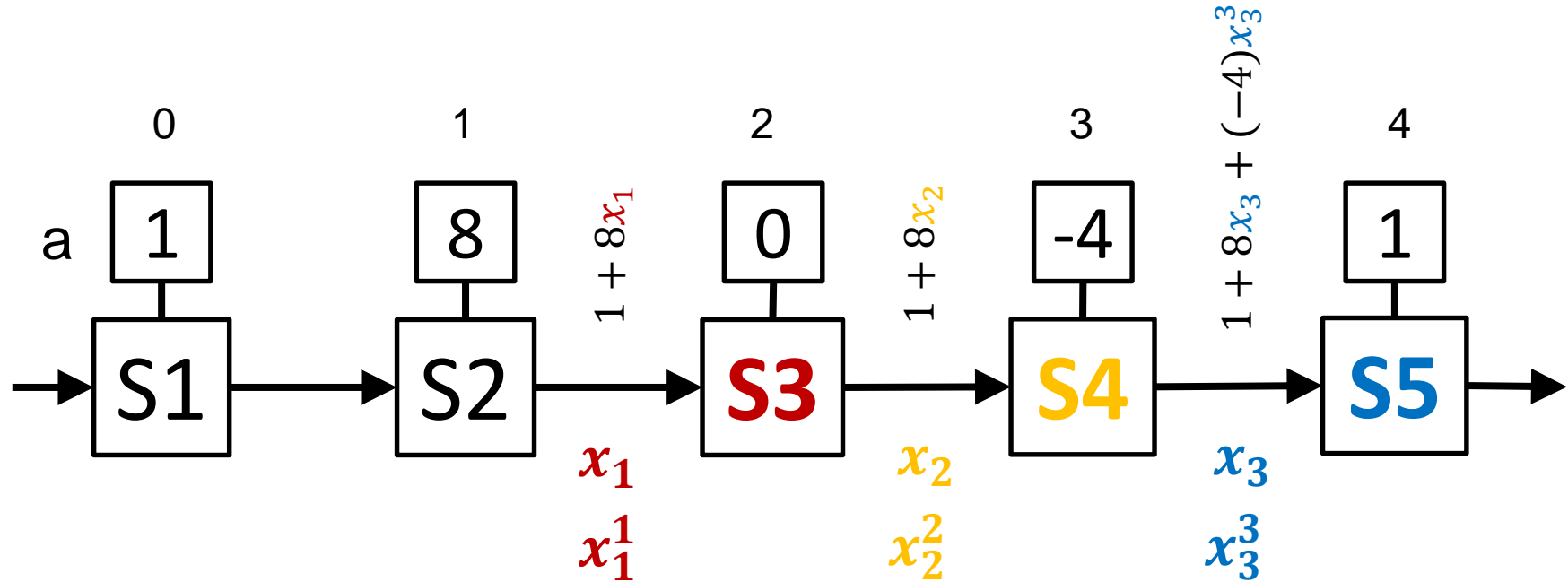


Polynomial calculation + Pipeline



$$1 + 8x_5 + (-4)x_5^3 + x_5^4$$

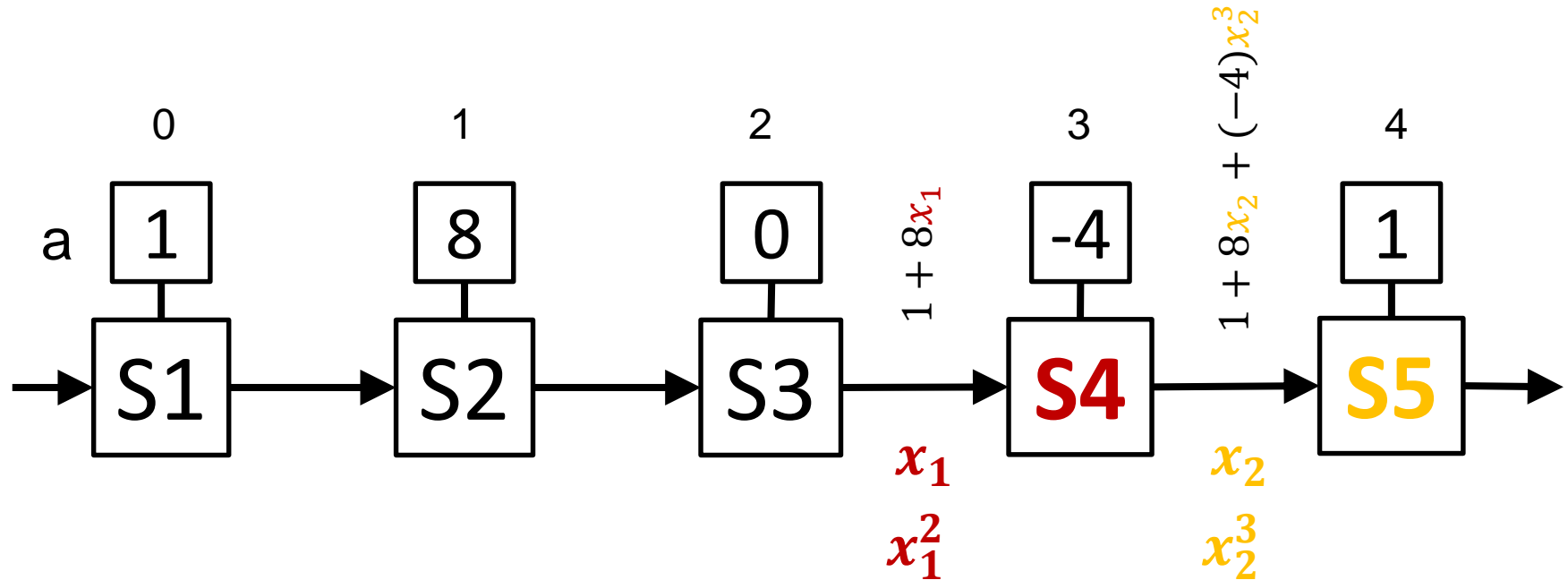
Polynomial calculation + Pipeline



$$1 + 8x_4 + (-4)x_4^3 + x_4^4$$

$$1 + 8x_5 + (-4)x_5^3 + x_5^4$$

Polynomial calculation + Pipeline

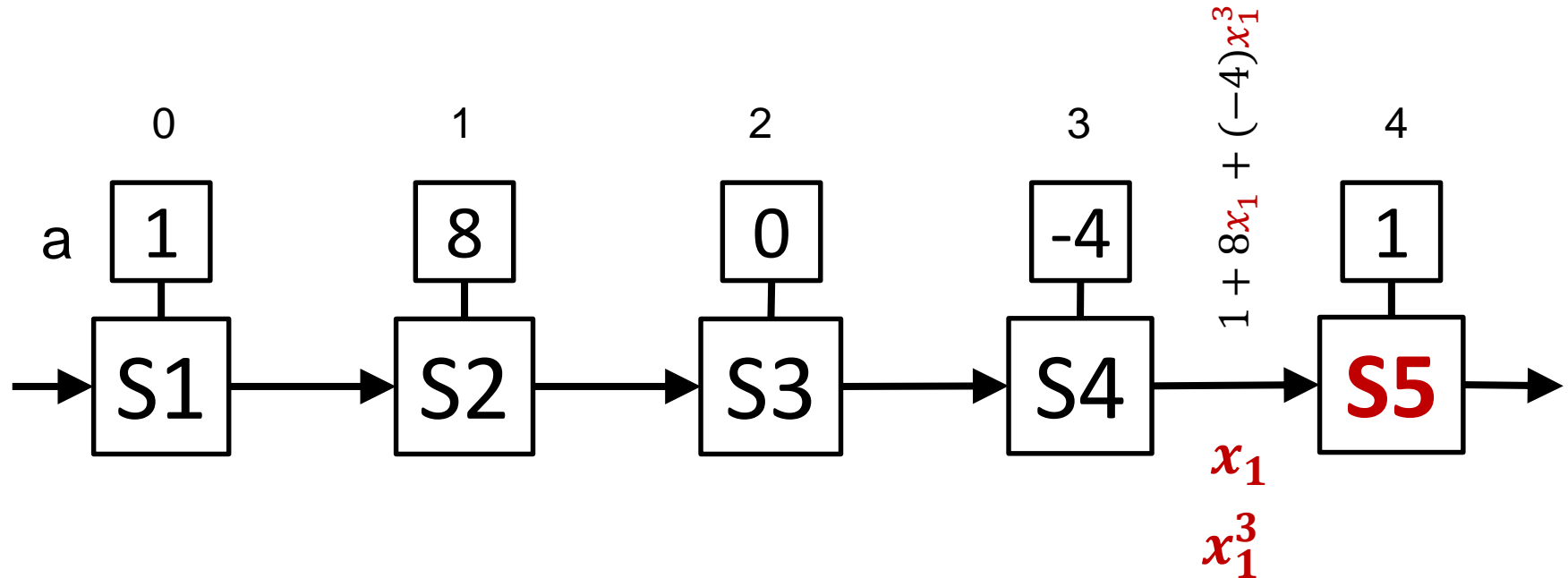


$$1 + 8x_3 + (-4)x_3^3 + x_3^4$$

$$1 + 8x_4 + (-4)x_4^3 + x_4^4$$

$$1 + 8x_5 + (-4)x_5^3 + x_5^4$$

Polynomial calculation + Pipeline



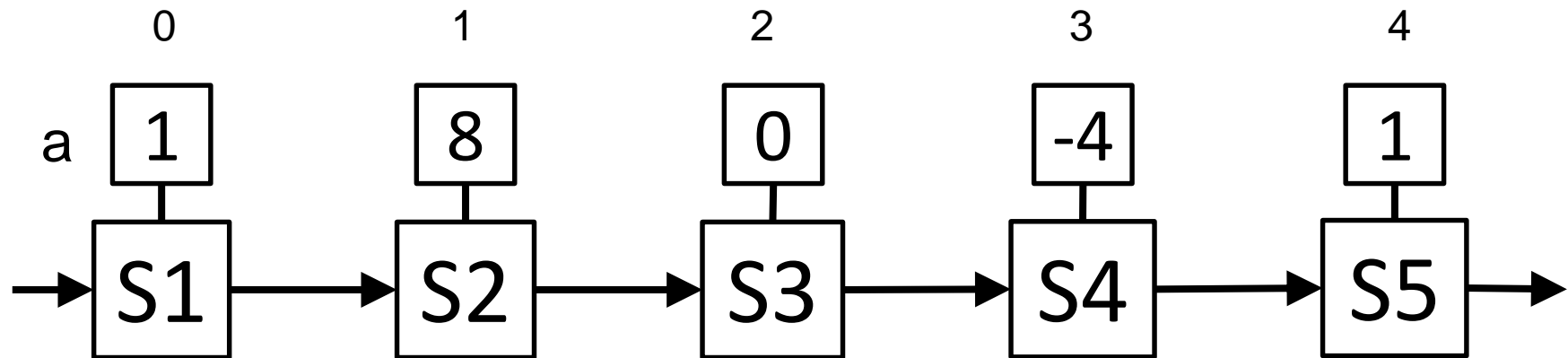
$$1 + 8x_3 + (-4)x_3^3 + x_3^4$$

$$1 + 8x_4 + (-4)x_4^3 + x_4^4$$

$$1 + 8x_2 + (-4)x_2^3 + x_2^4$$

$$1 + 8x_5 + (-4)x_5^3 + x_5^4$$

Polynomial calculation + Pipeline



$$1 + 8x_1 + (-4)x_1^3 + x_1^4$$

$$1 + 8x_2 + (-4)x_2^3 + x_2^4$$

$$1 + 8x_3 + (-4)x_3^3 + x_3^4$$

$$1 + 8x_4 + (-4)x_4^3 + x_4^4$$

$$1 + 8x_5 + (-4)x_5^3 + x_5^4$$