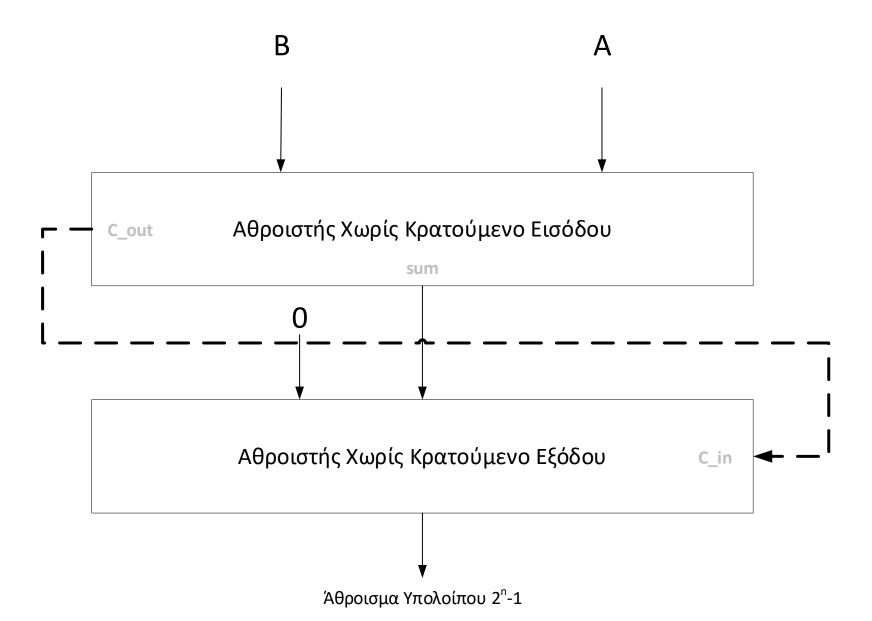
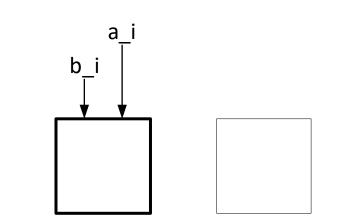
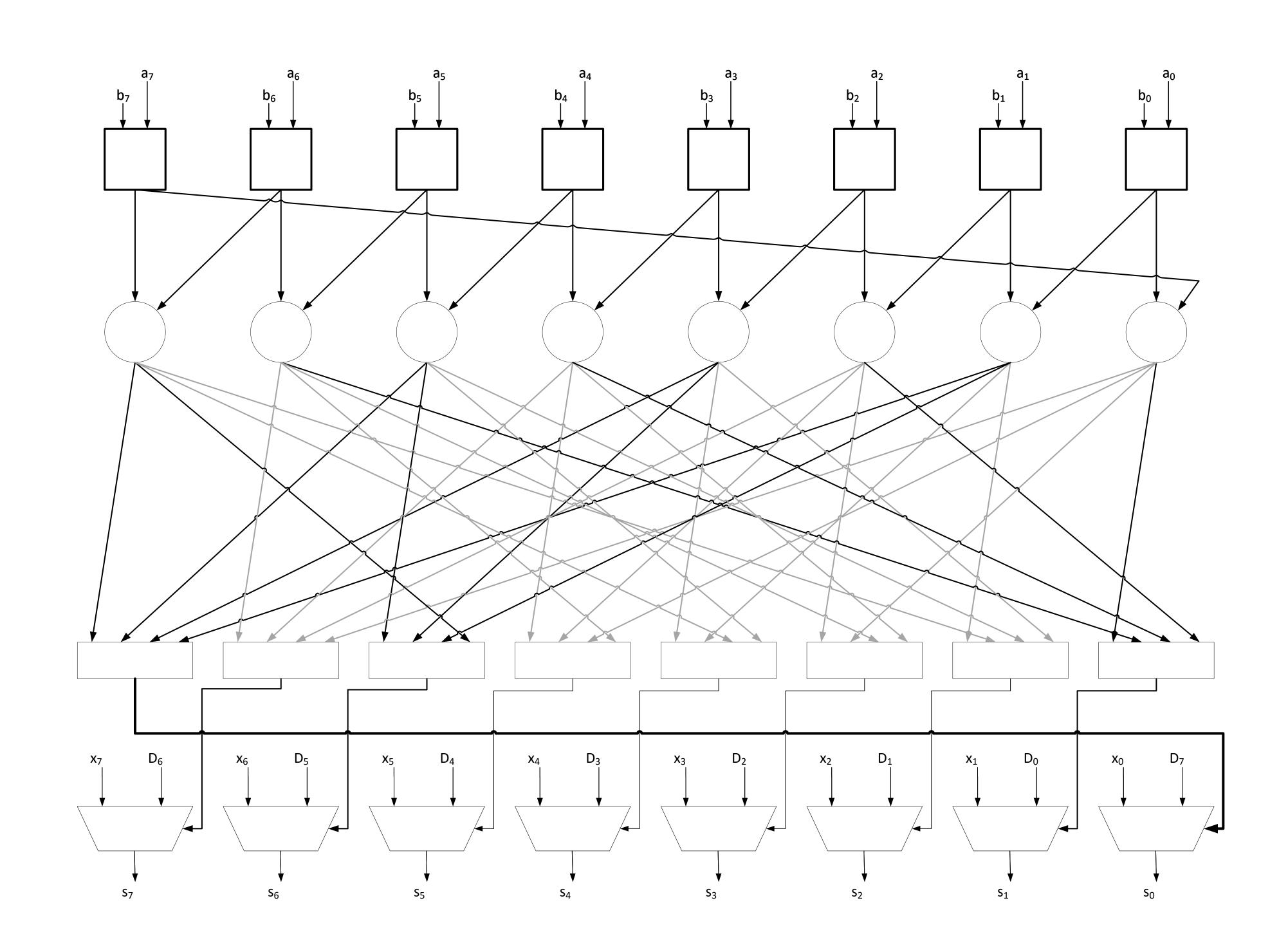
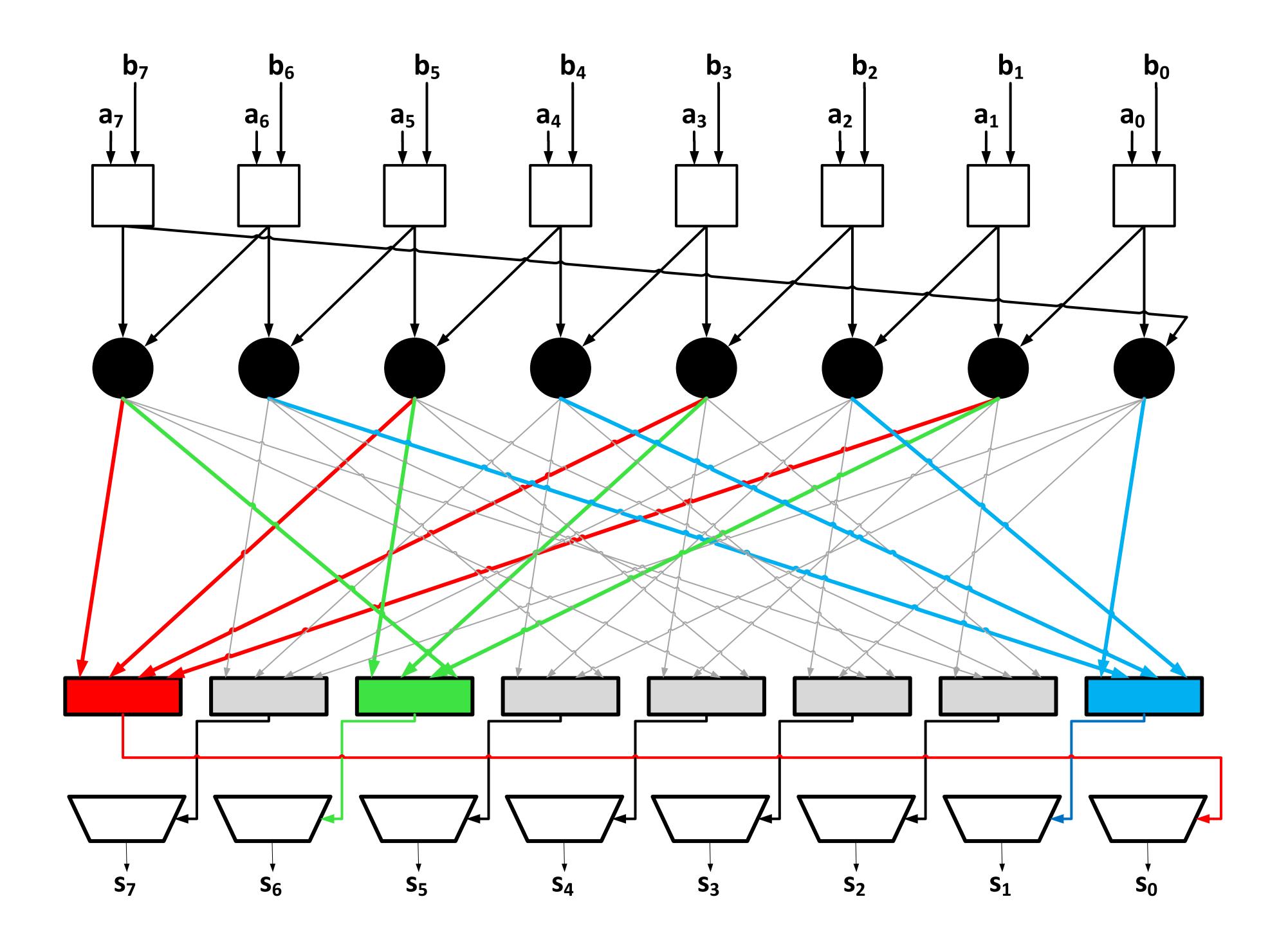
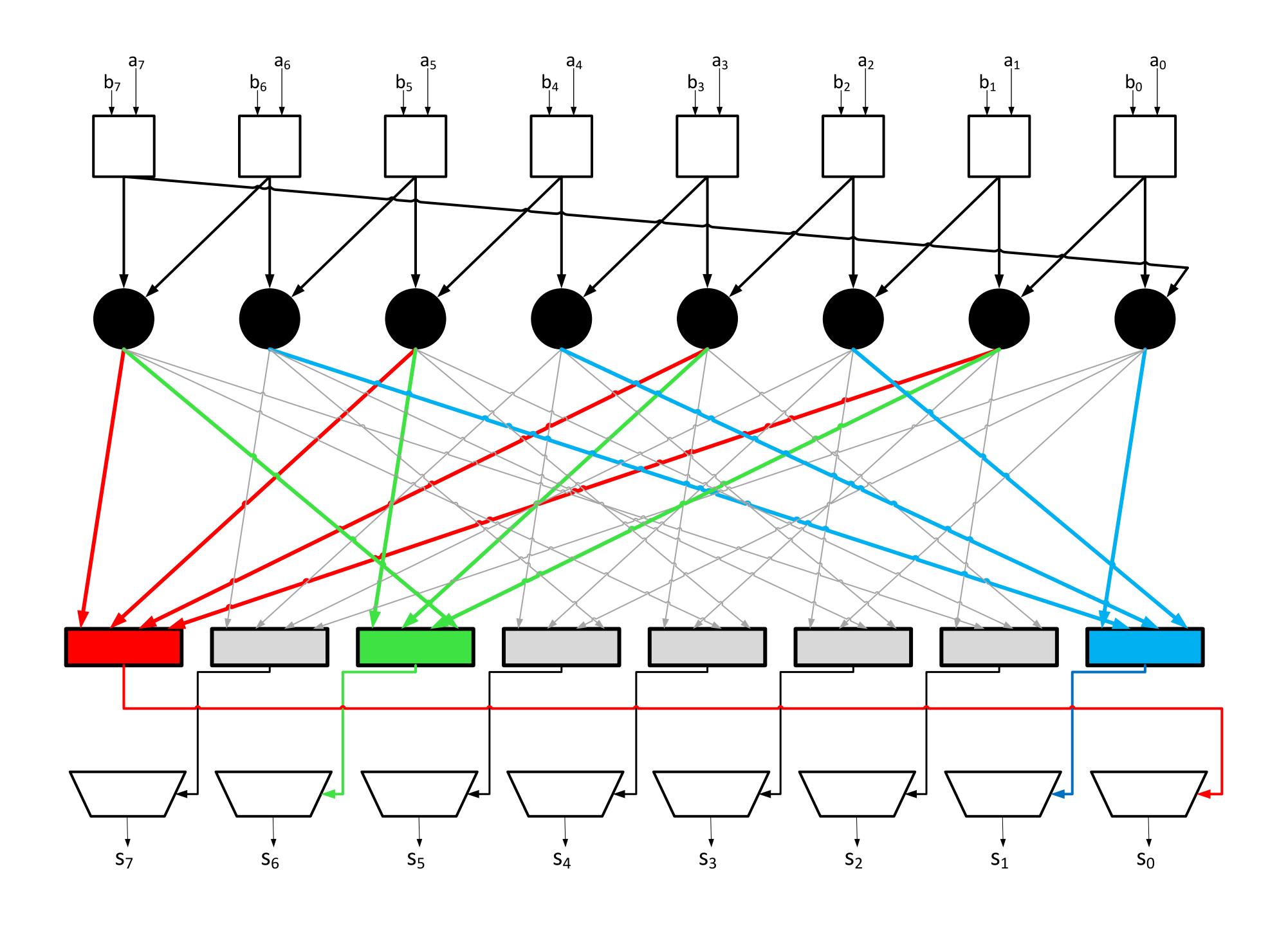
Roun-Carry 2^n-1 Adder	test-bench
J8_Adder	Simple_2^n-1
R_function	Carry_select_2^n-1
Serial-Prefix	Brent_Kung_arch
Sklansky	CLA_Architecture
Ling-Sum	Kogge-Stone
2^n-1_2x2x2_8bit	Prefix_with_carry_in
2^n-1_Parallel-prefix_adder_structure	
Simple_binary_adder	

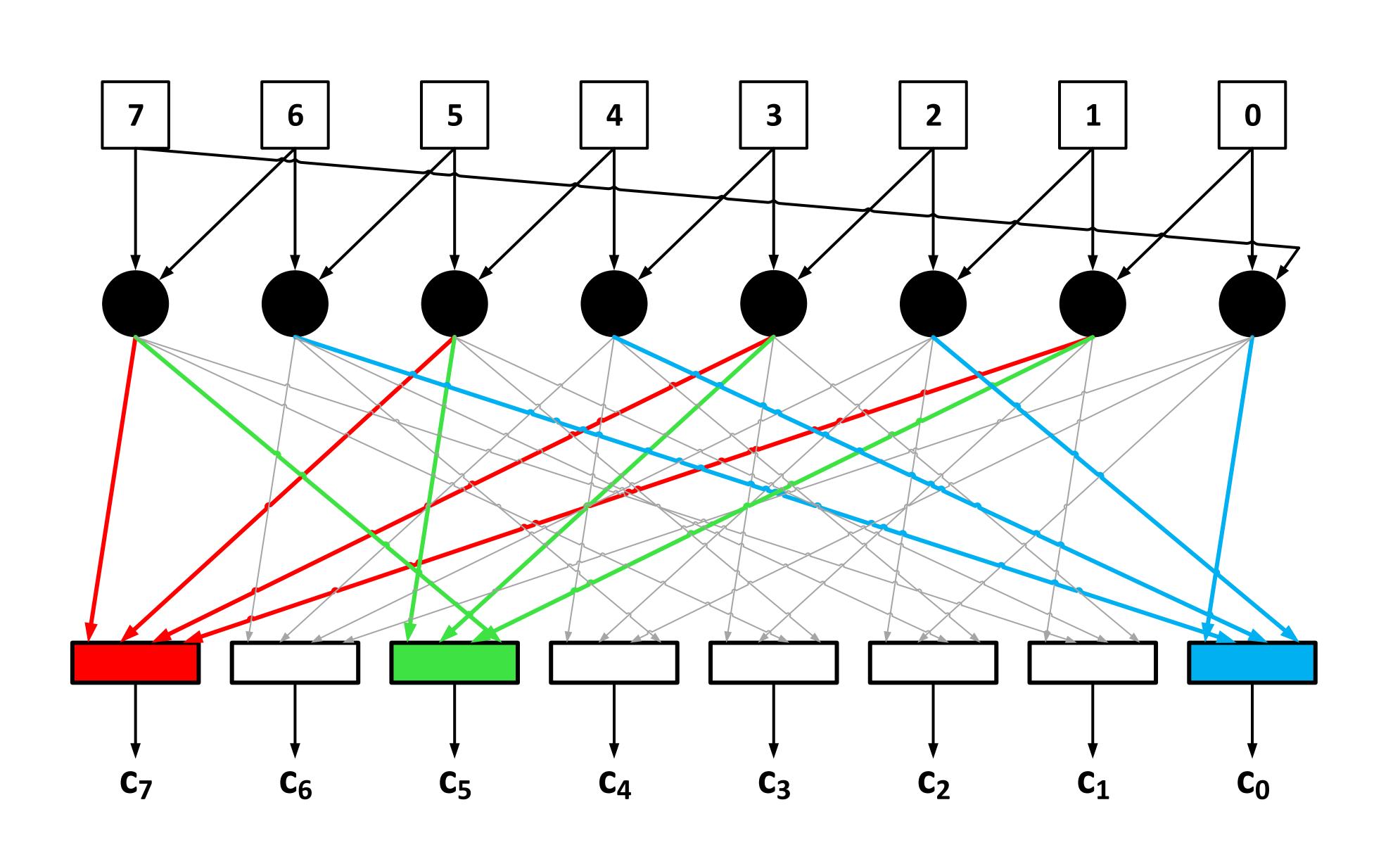




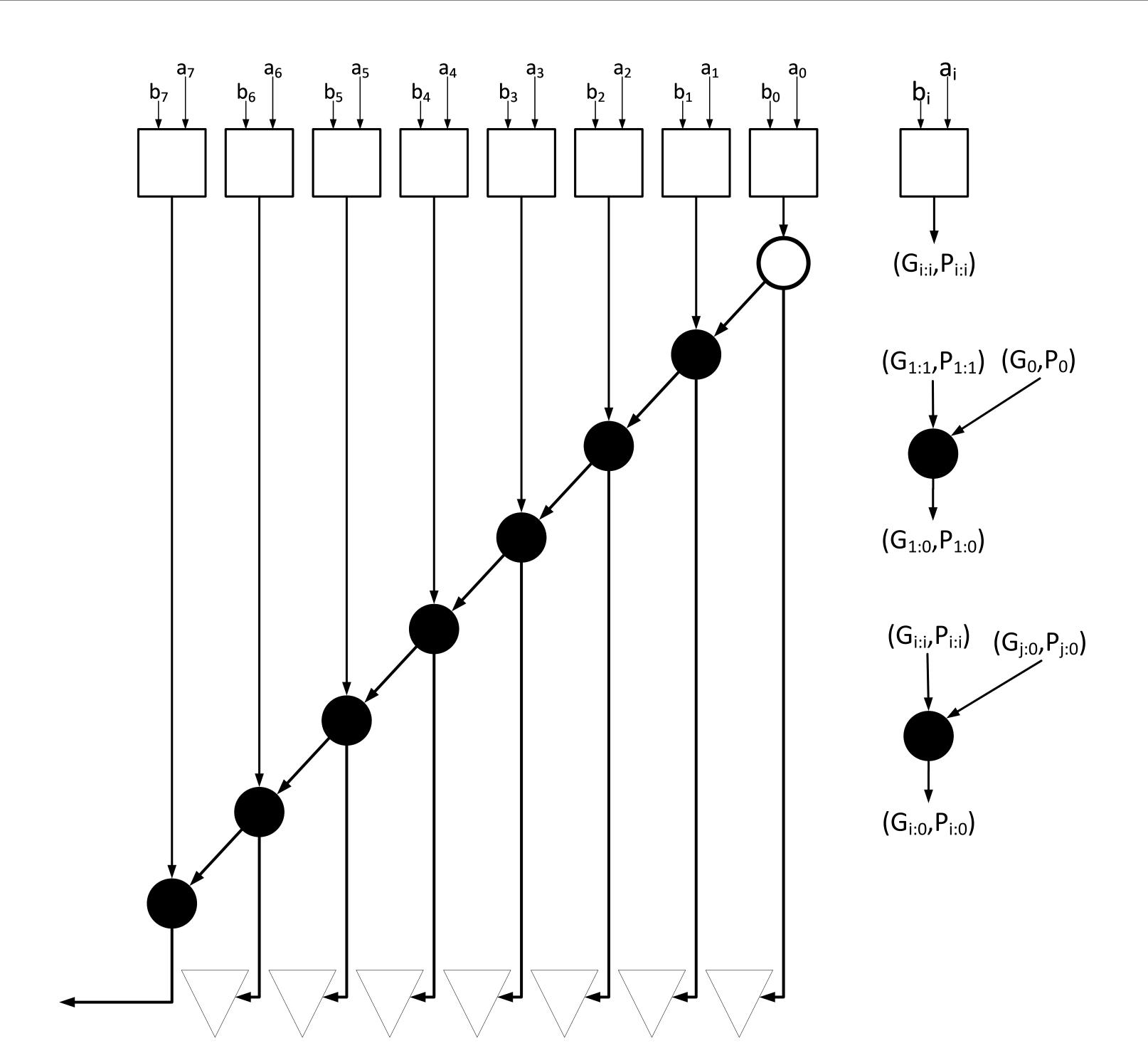


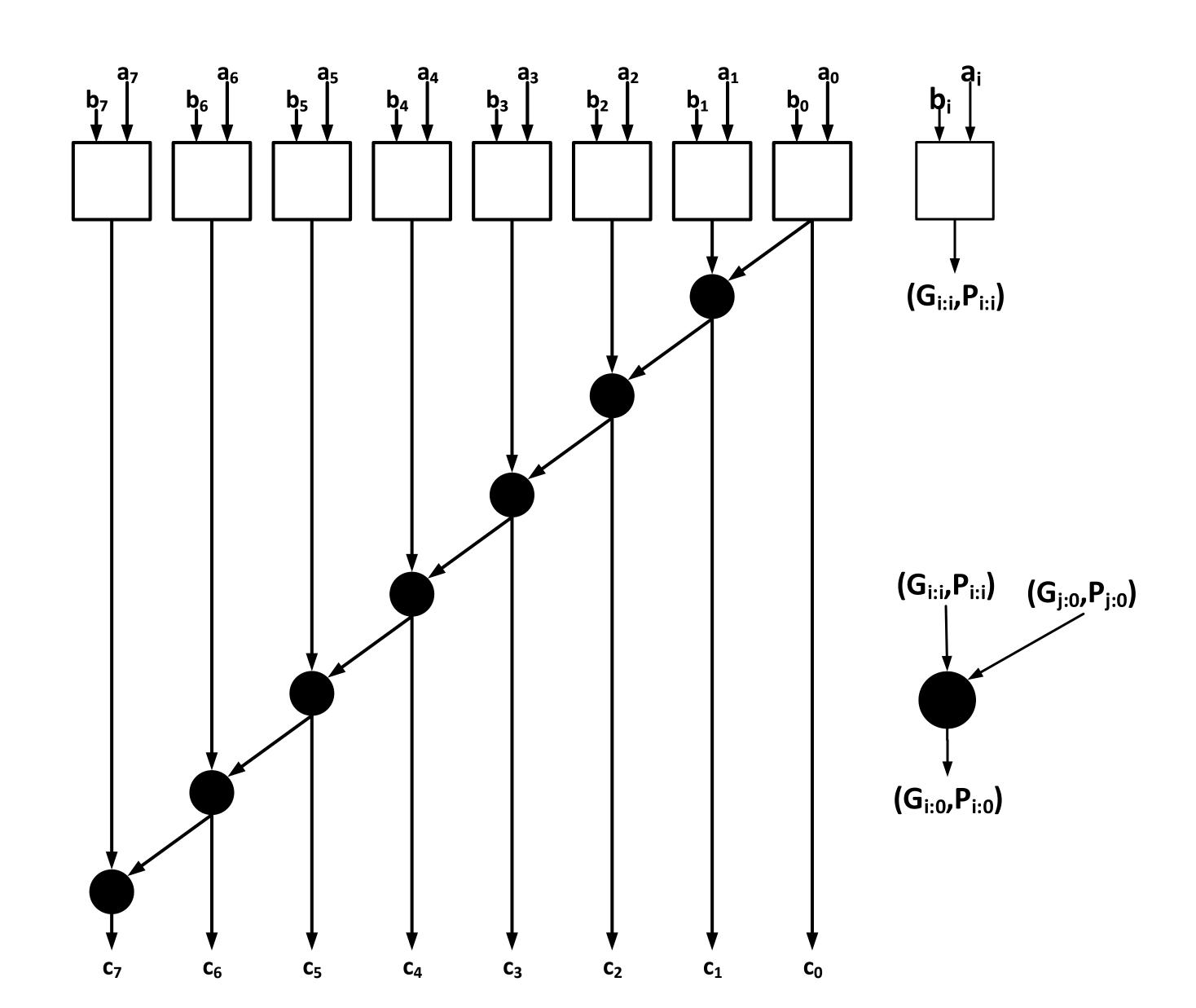


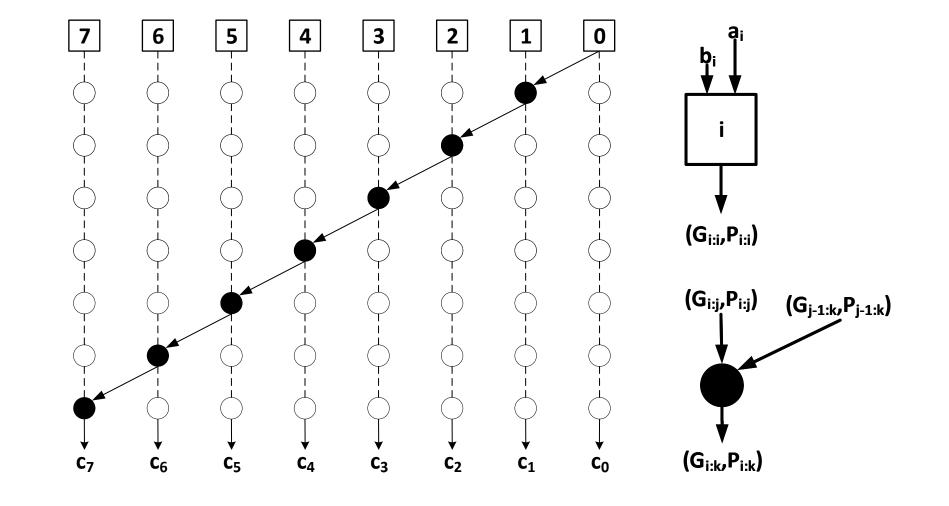


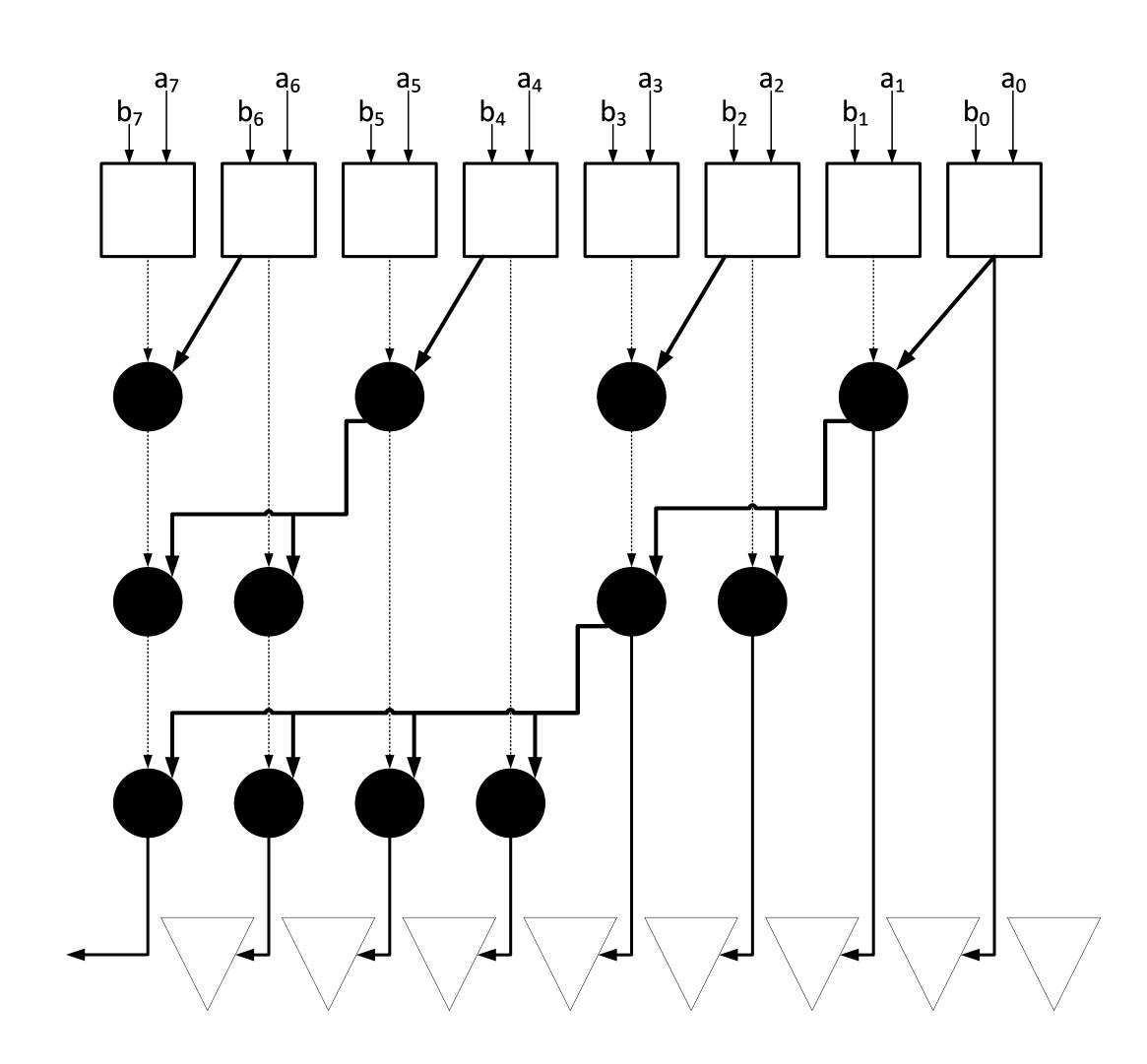


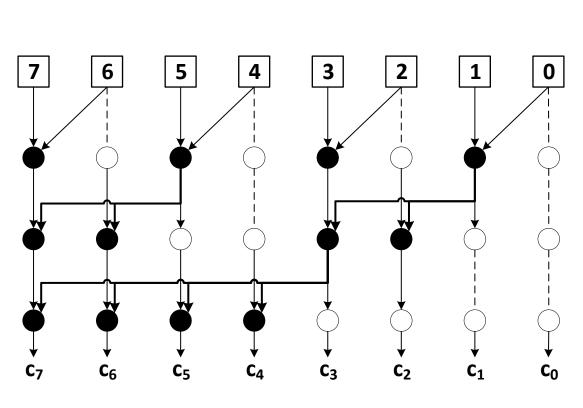
i:k	K-1:j	
Τουλάχιστον ένα Bit Από την Ομάδα Παράγει κρατούμενο	Η ομάδα Παράγει Κρατούμενο	R

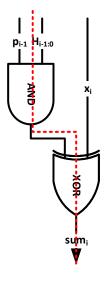


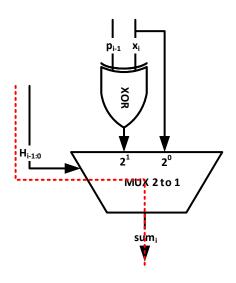


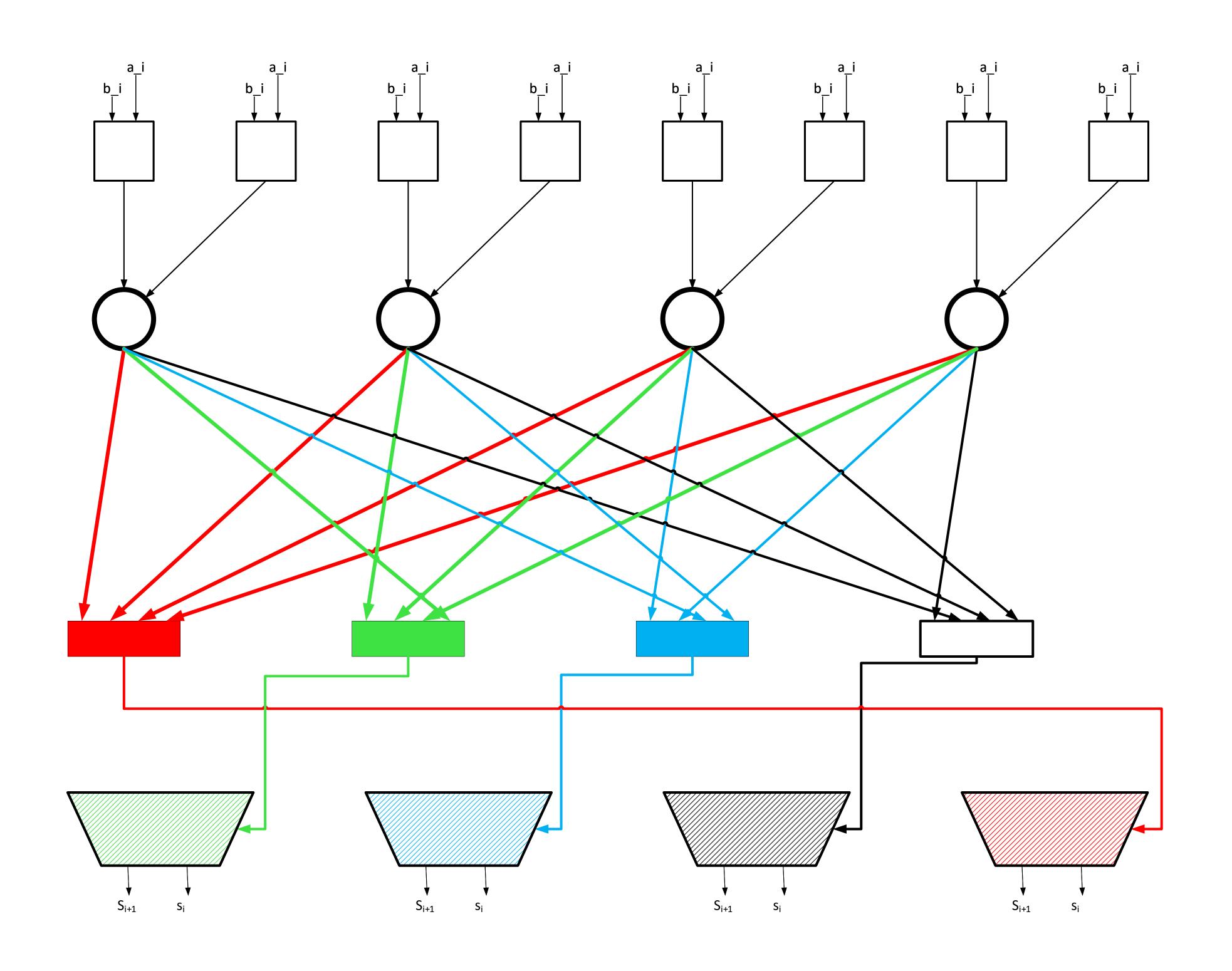




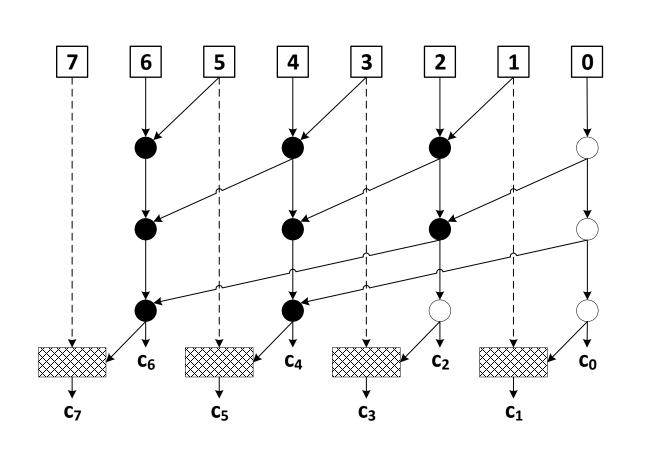


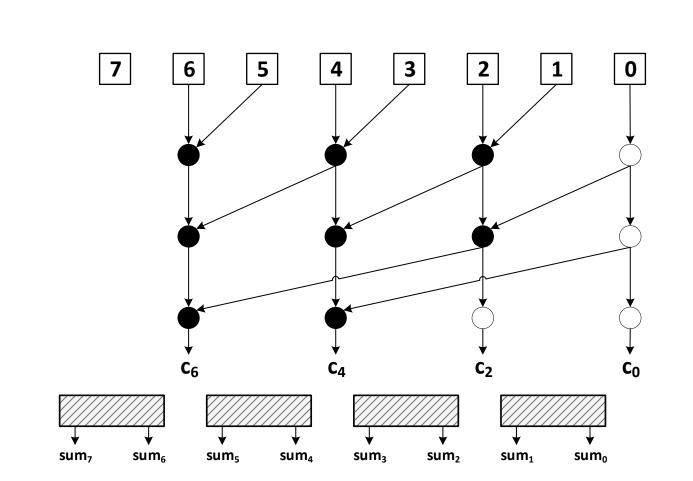


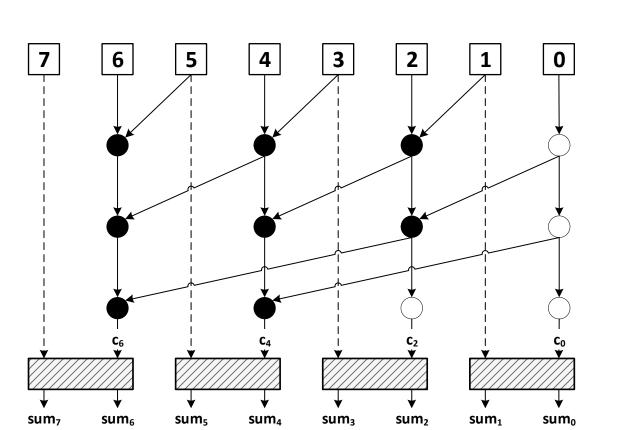


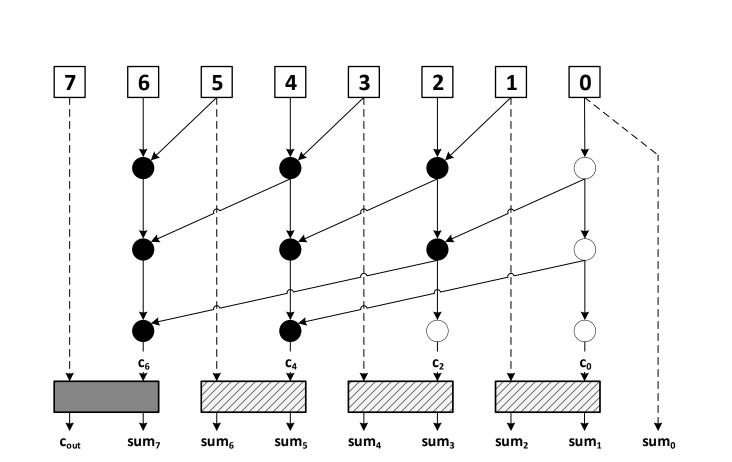


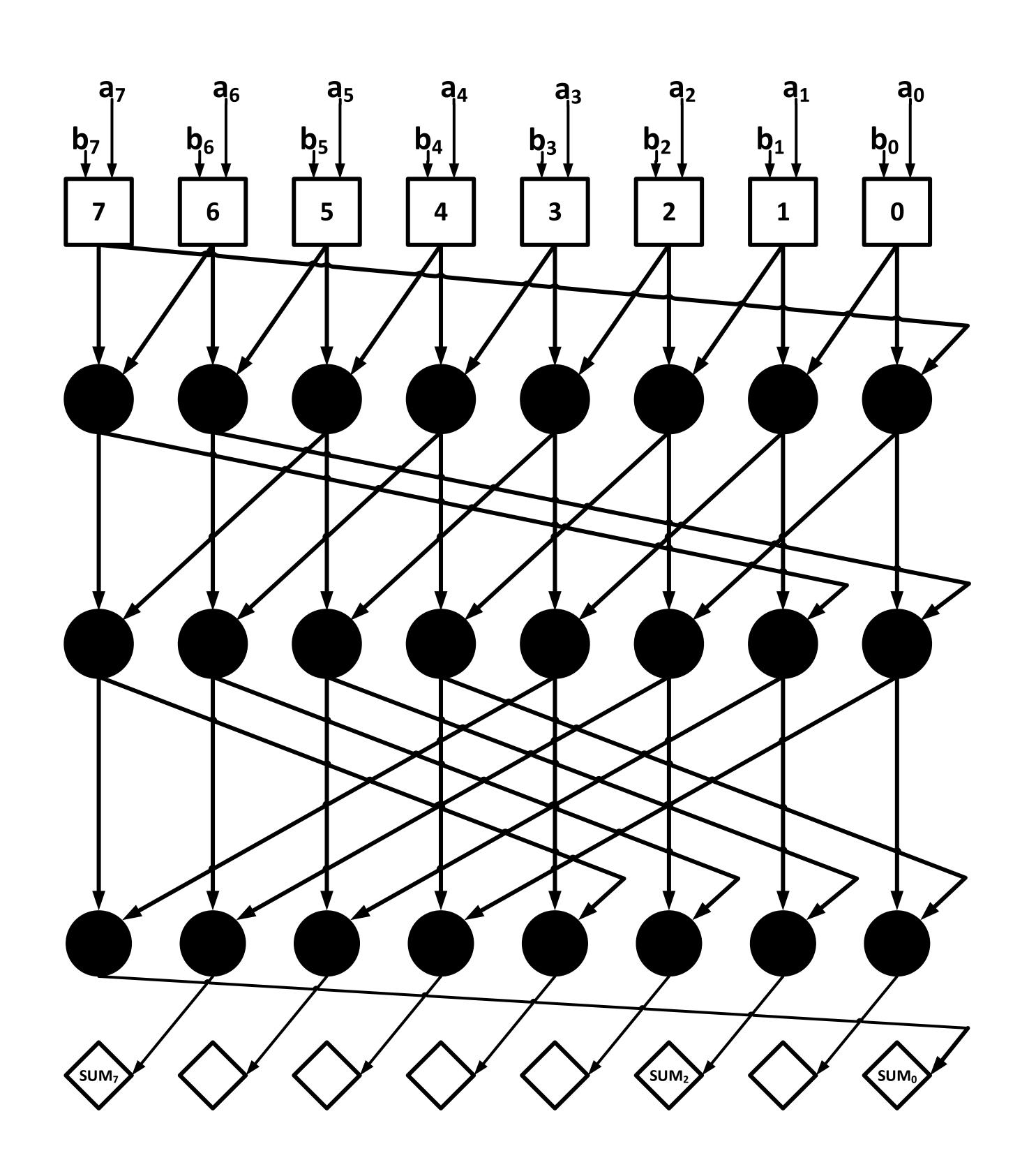
 $sum_1$   $sum_0$ 

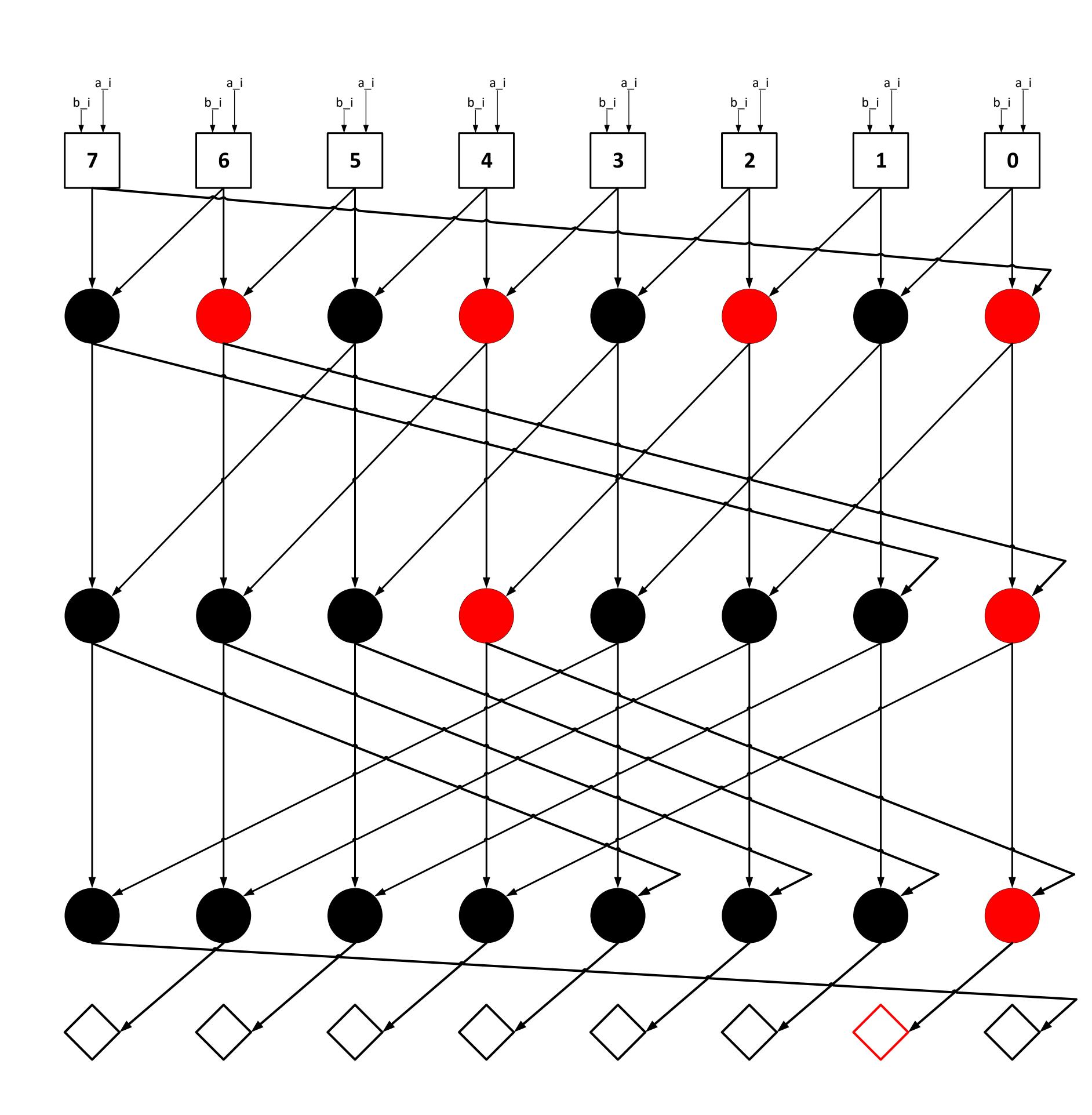


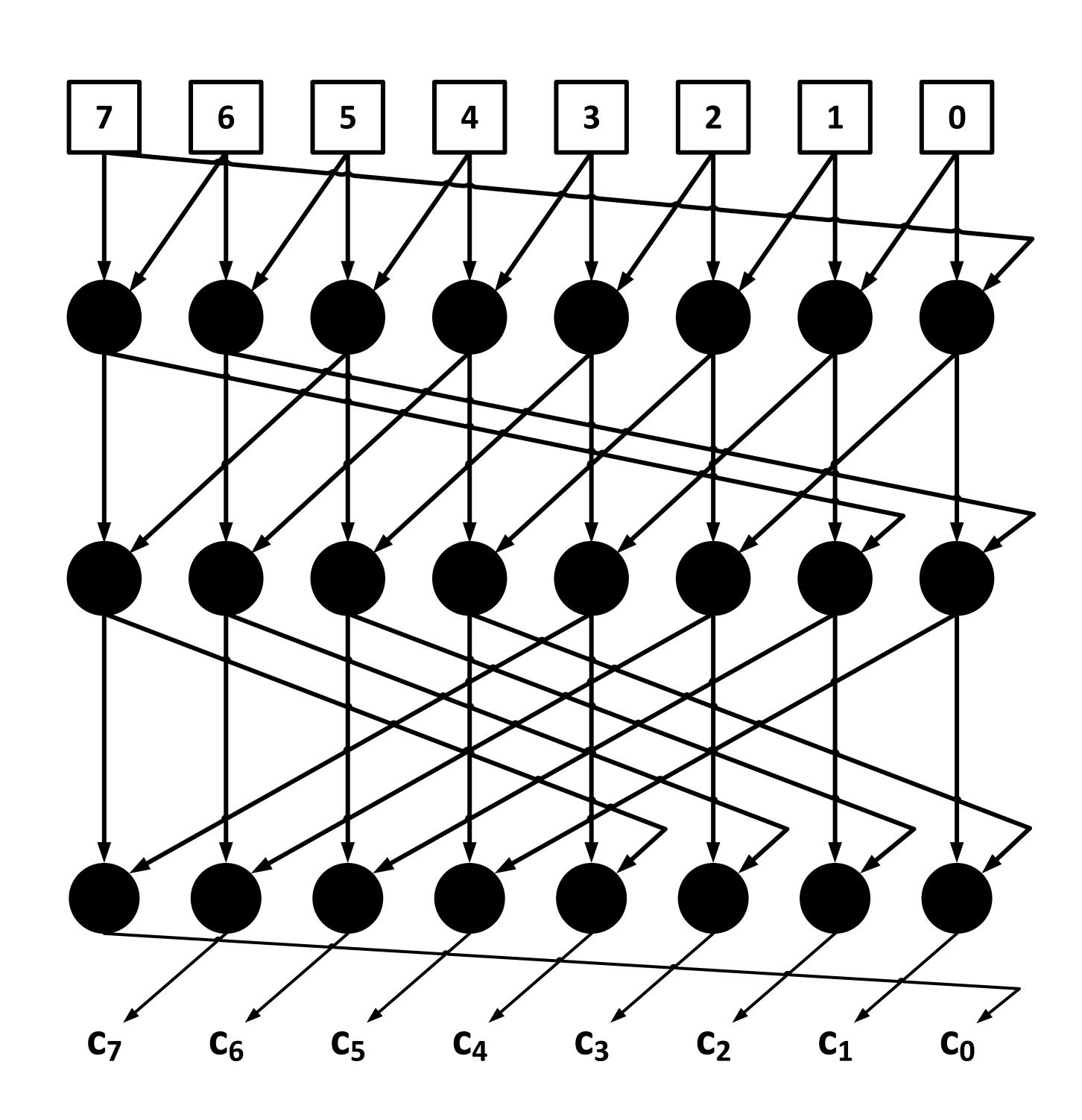


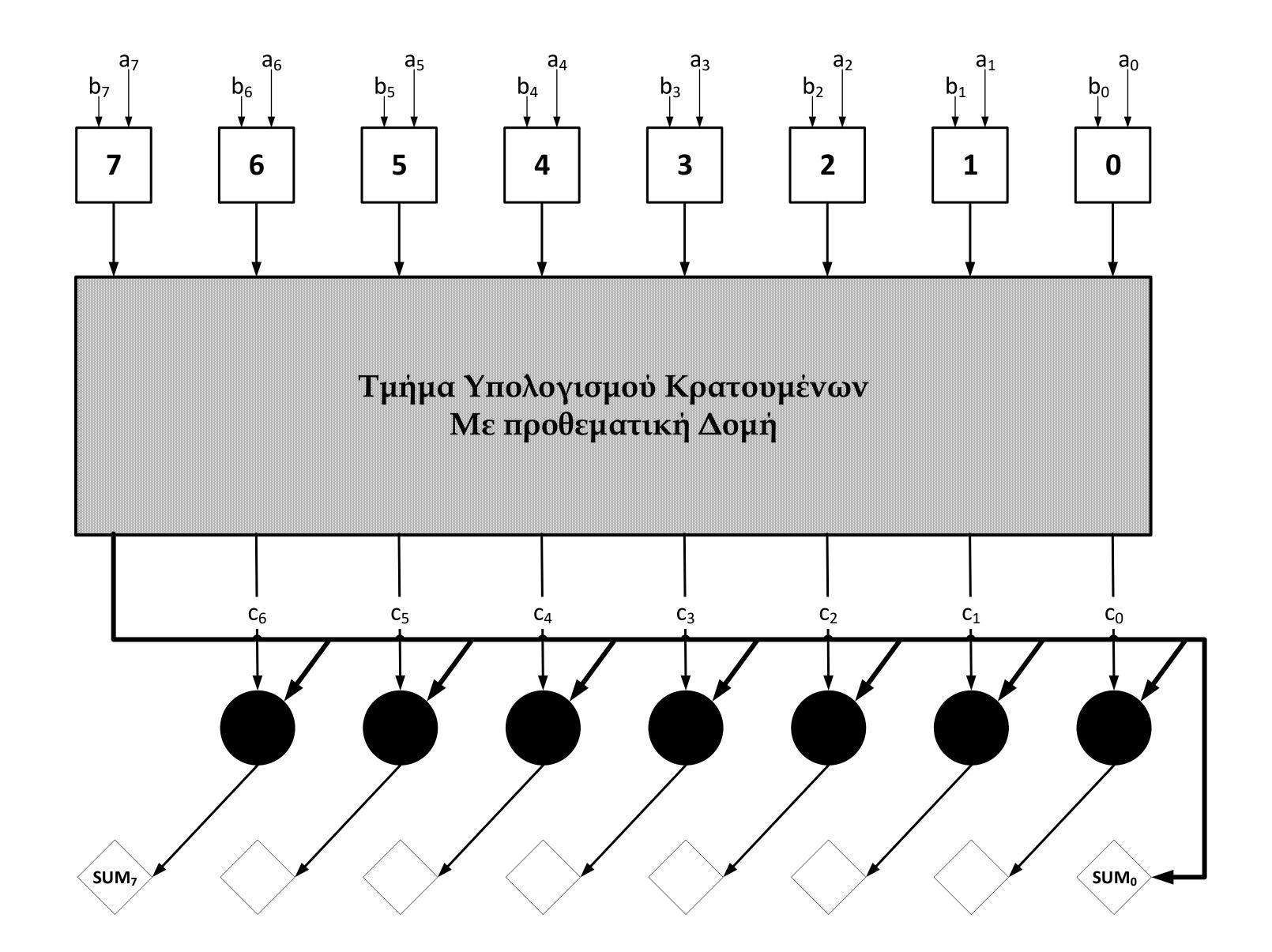


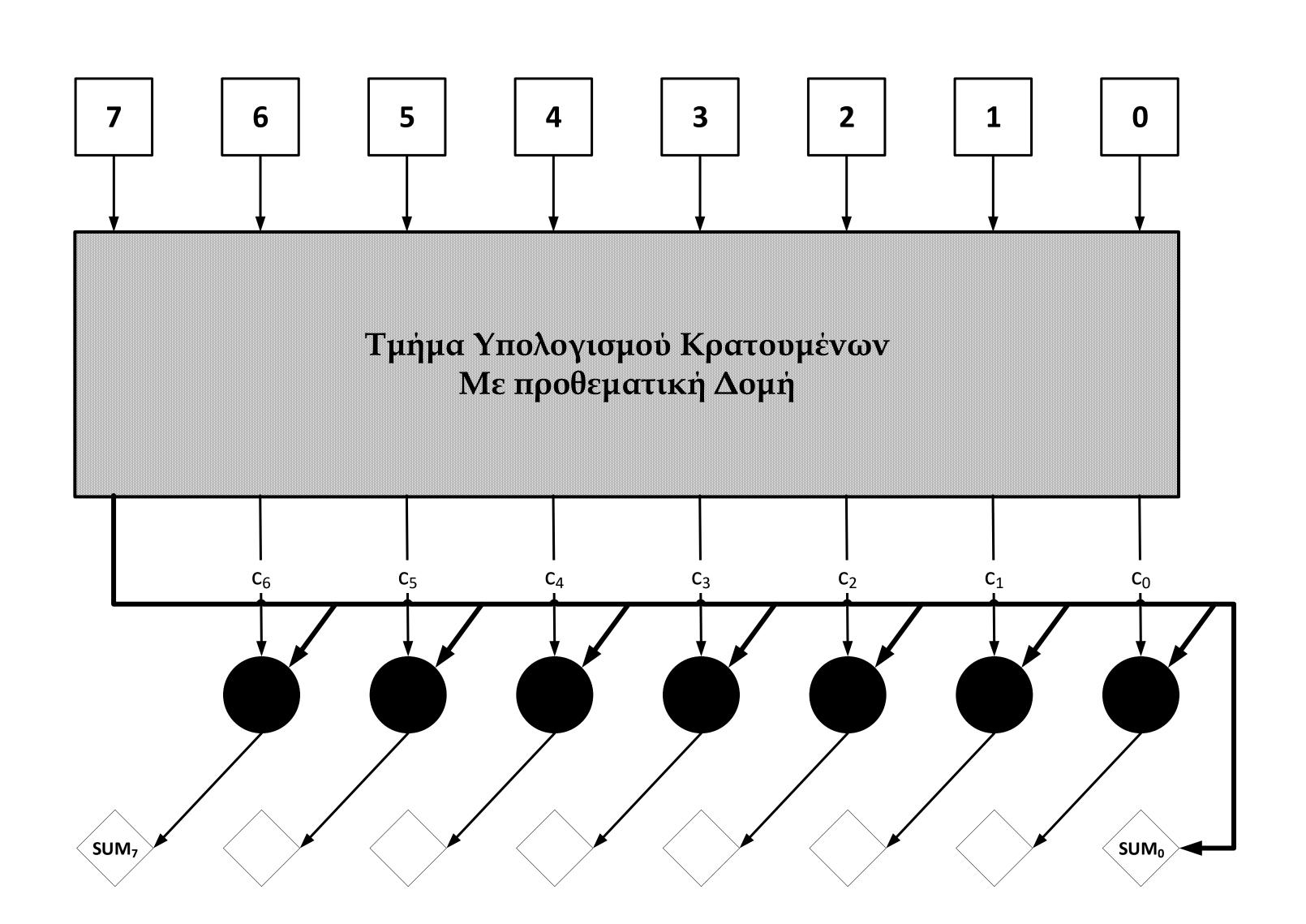


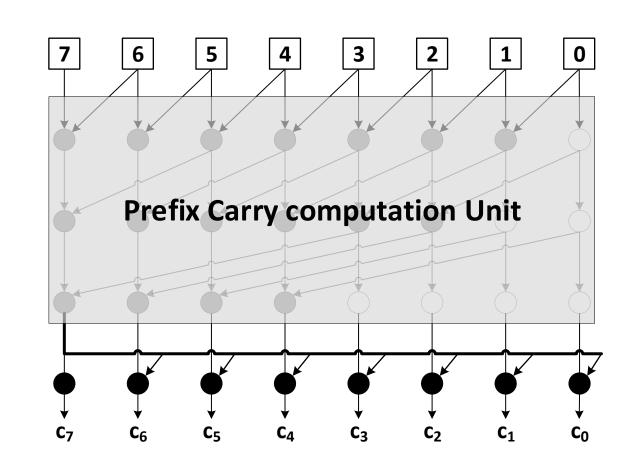


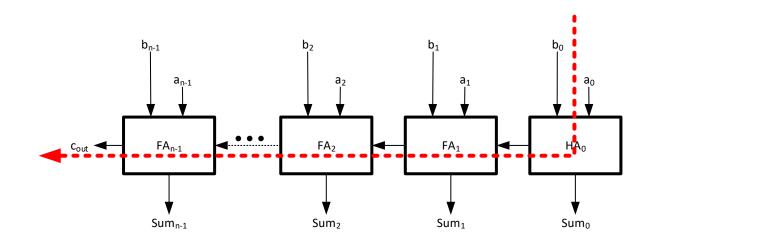


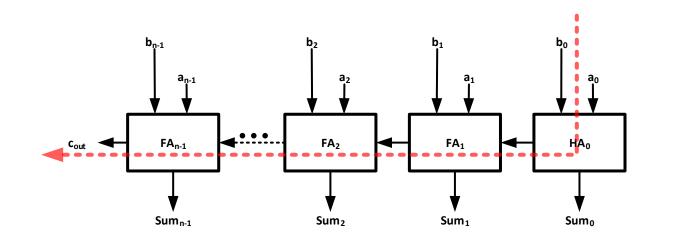


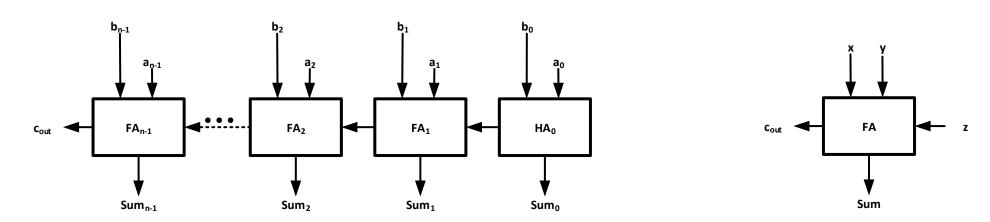


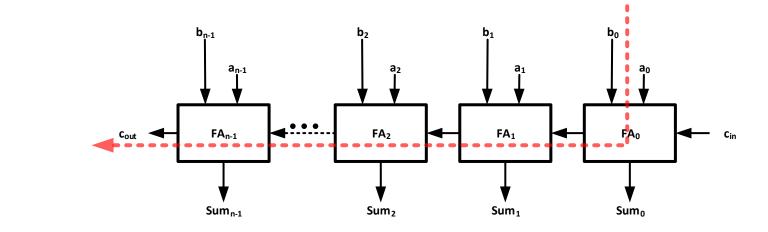


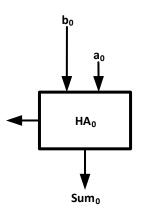


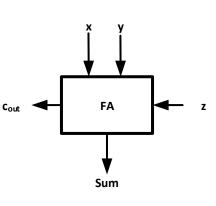


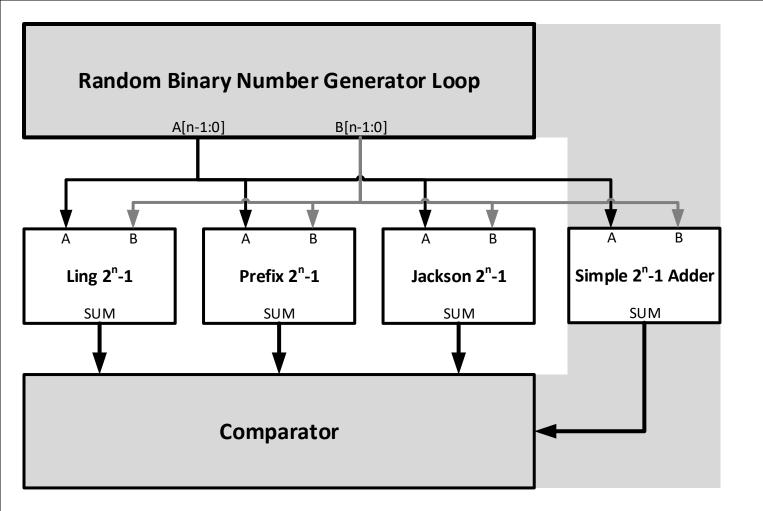


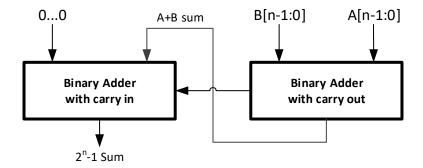




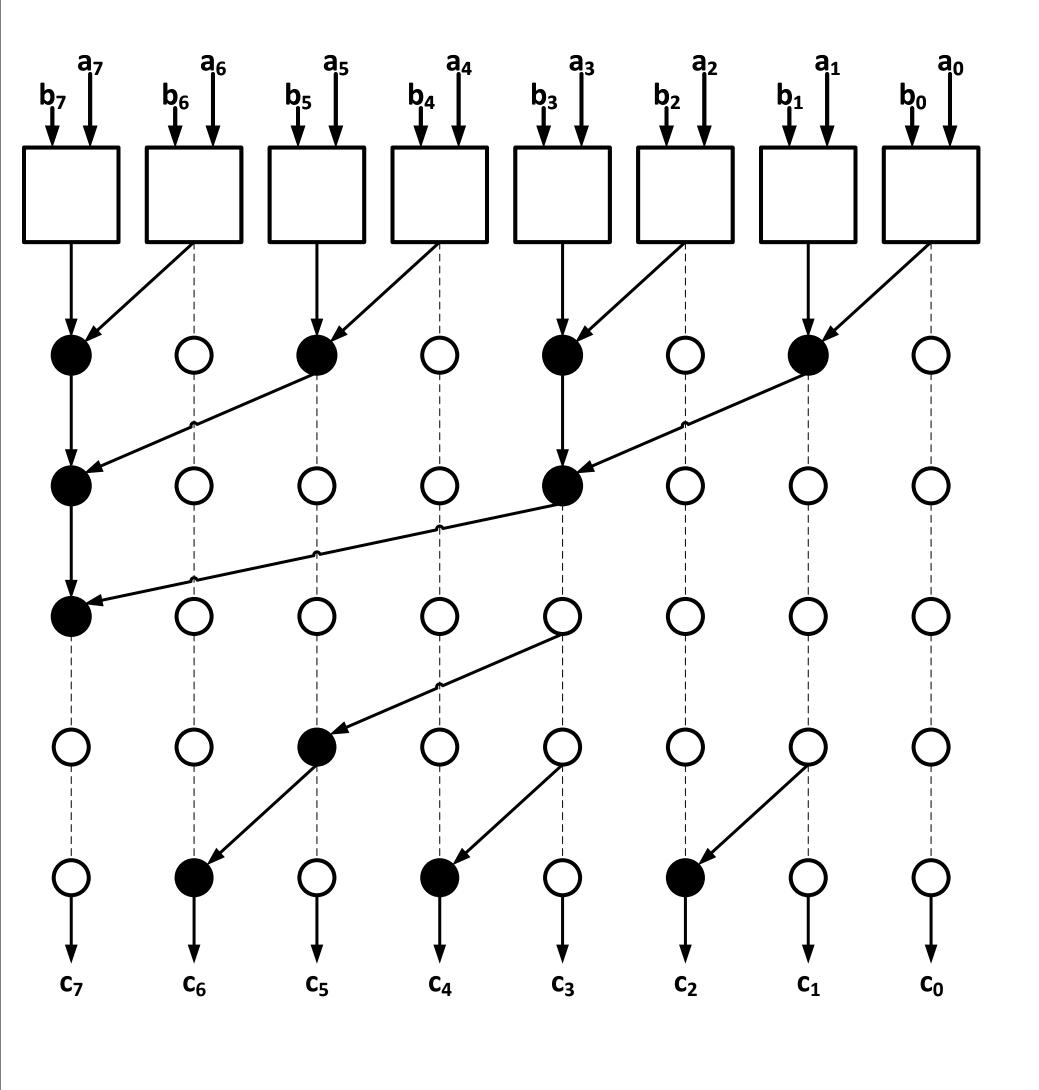


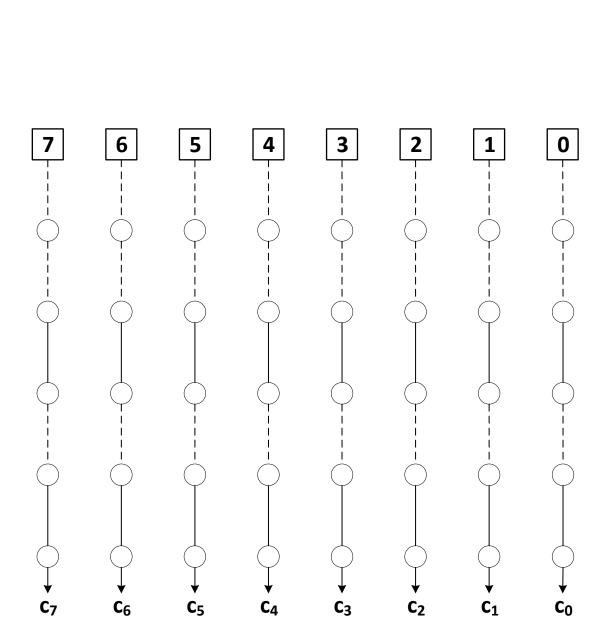


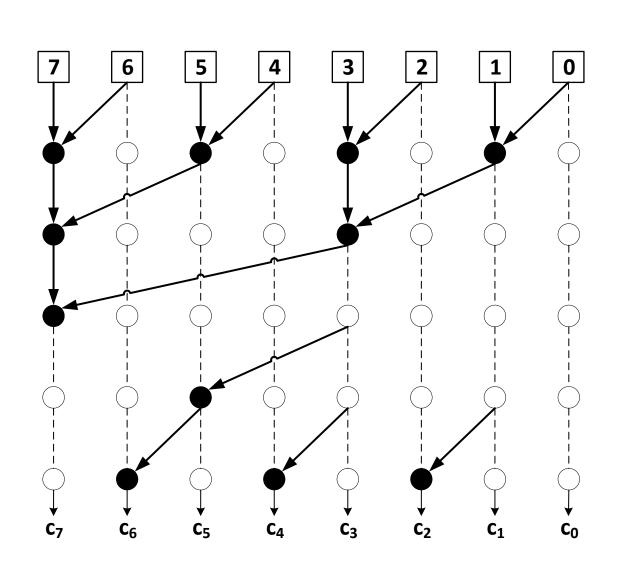


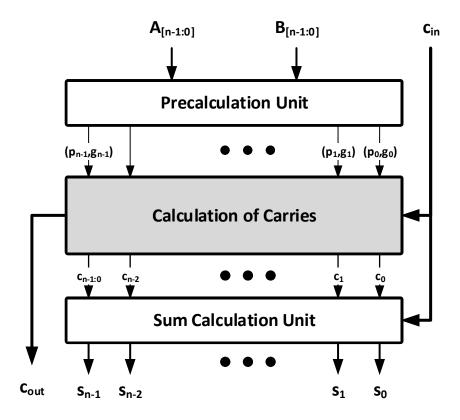


A[n-1:0]	B[n-1:0]		A[n-1:0]	B[n-1:0]	
		1		<b>↓</b>	_
Binary Adde	er with c <sub>in</sub> = 1	$\sqcup$ $_{\sqcap}$		er with c <sub>in</sub> = 0 d c <sub>out</sub>	
		L			
	21	MUX	20		
			select		
		<b>♥</b> SUM 2 <sup>n</sup> -1			

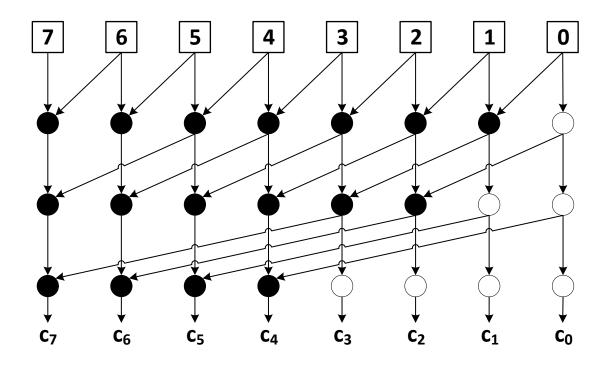


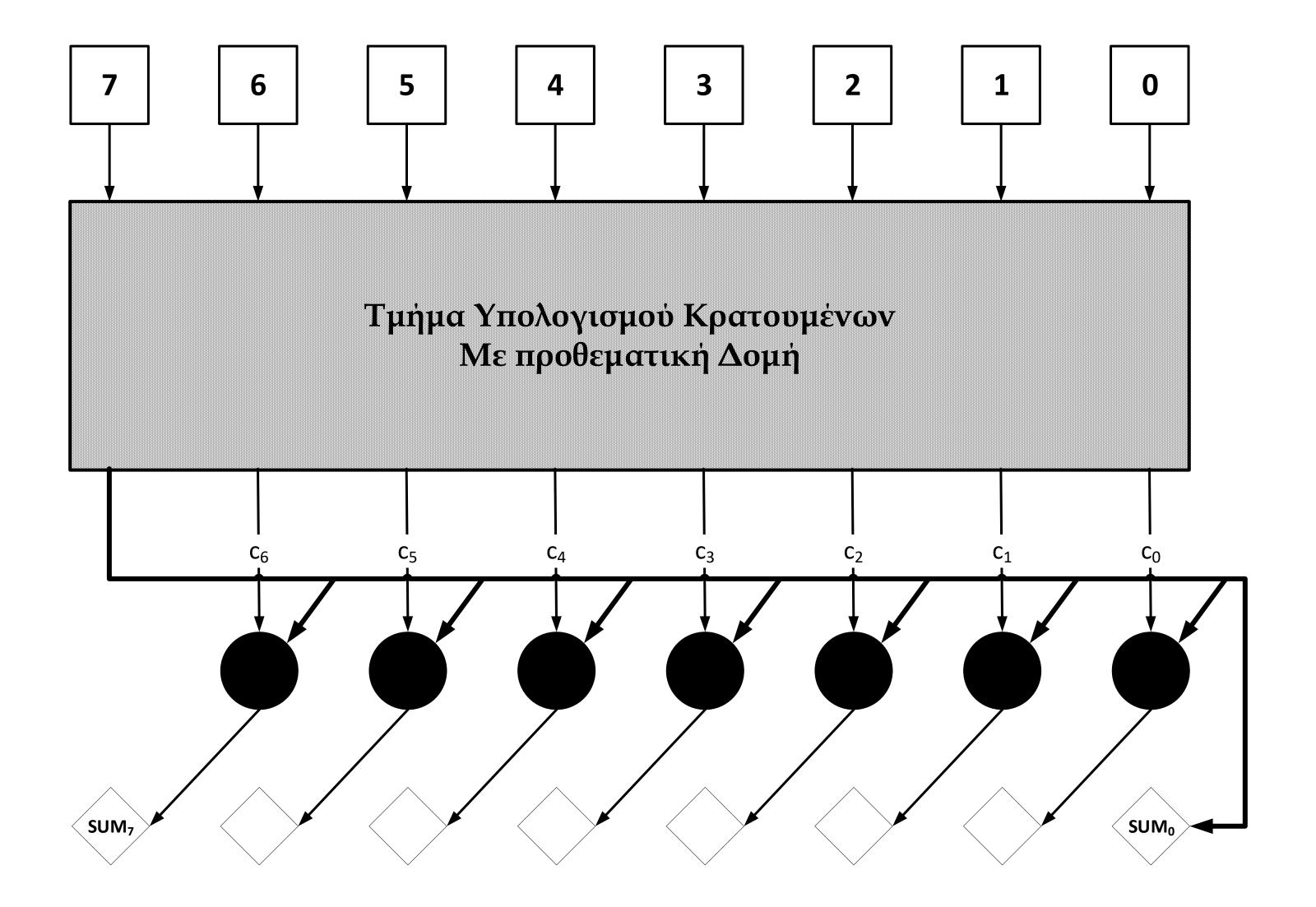


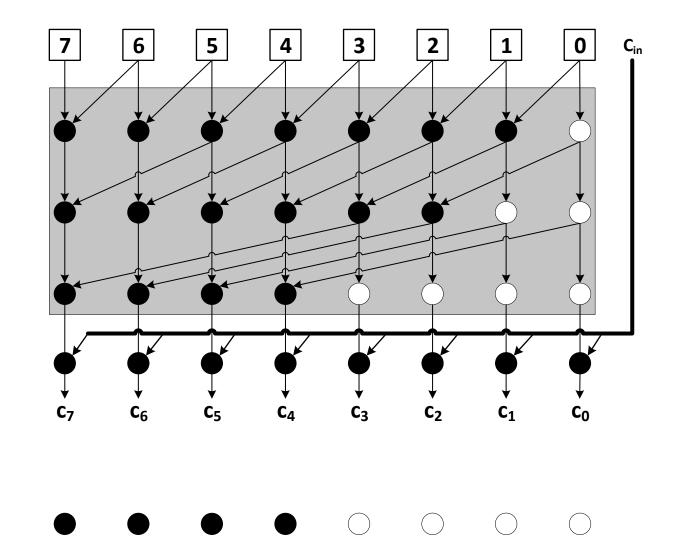


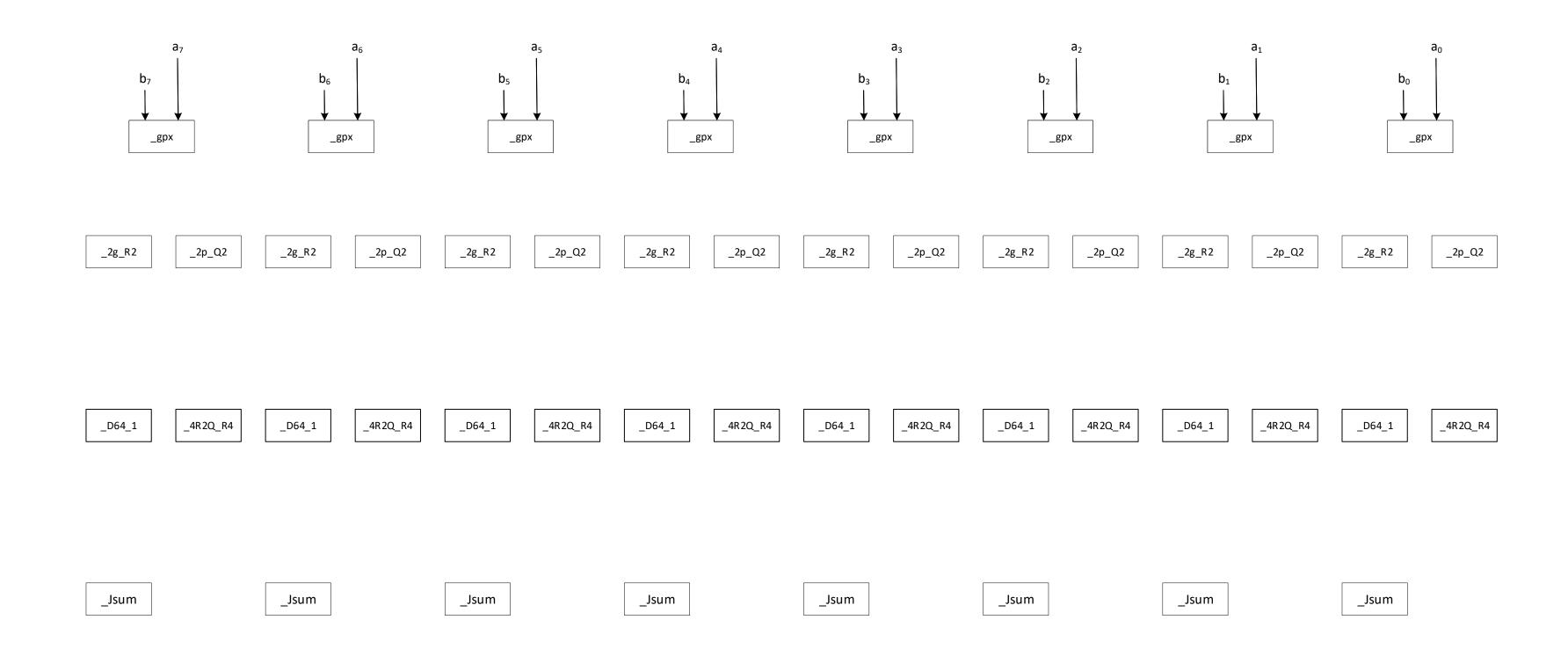


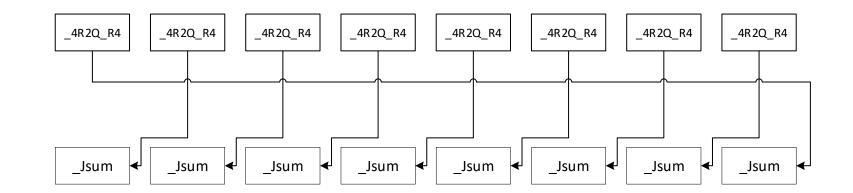
## <u>Kogge – Stone Parallel Prefix Carry computation Tree</u>

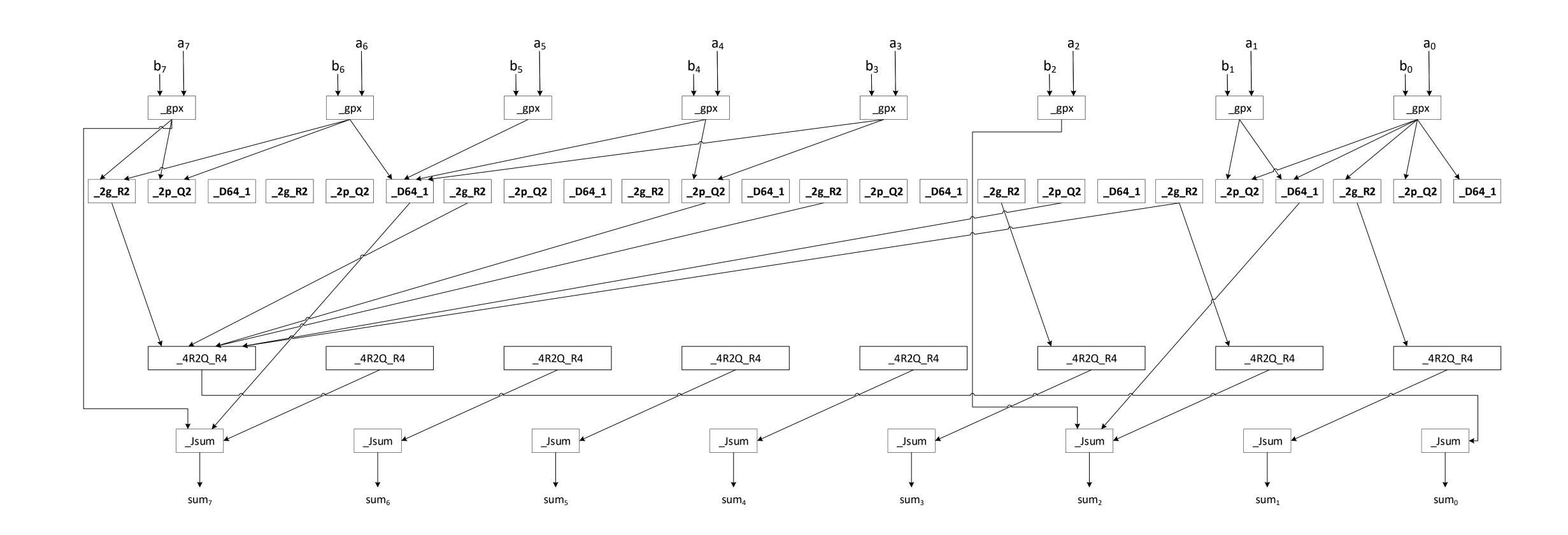












\_D64\_1 \_\_D64\_1 \_\_D64\_1 \_\_D64\_1 \_\_D64\_1 \_\_D64\_1 \_\_D64\_1