

Abdullah Muhammed
Yigit

171044035

[Signature]

	C_0	C_1	a	b	X	N_0	N_1
S_0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0
	0	0	1	0	0	0	1
	0	0	1	1	0	0	0
S_1	0	1	0	0	0	0	0
	0	1	0	1	0	0	0
	0	1	1	0	0	1	1
	0	1	1	1	0	1	0
S_2	1	0	0	0	1	1	0
	1	0	0	1	1	0	0
	1	0	1	0	1	1	0
	1	0	1	1	1	0	0
S_3	1	1	0	0	1	0	0
	1	1	0	1	1	0	0
	1	1	1	0	1	0	0
	1	1	1	1	1	1	1

$$N_0 = \frac{C_0' C_1 a b' + C_0' C_1 a b + C_0 C_1' a' b' + C_0 C_1' a' b + C_0 C_1' a b + C_0 C_1 a' b' + C_0 C_1 a b}{C_0' C_1 a (b + b') \quad C_0 C_1' a' (b + b') \quad C_0 b (C_1' a + C_1 a')} \\ C_0 b (a C_1' + a C_1)$$

$$N_0 = C_0' C_1 a + C_0 C_1' a' + C_0 b (a C_1' + a C_1)$$

$$N_1 = \frac{C_0' C_1' a b' + C_0' C_1' a b + C_0 C_1' a' b' + C_0 C_1' a' b + C_0 C_1 a b}{C_0' a b' (C_1 + C_1') \quad C_0 a' b (C_1 + C_1') \quad C_0 b (a' + C_1 a)} \\ C_0 b (a' + C_1 a)$$

$$N_1 = C_0' a b' + C_0 b (a' + C_1 a)$$