

IN	Count[3]	Out 2	Out 1	Out 0
0	0	0	0	0
0	1	X	X	X
0	2	0	1	1
0	3	X	X	X
0	4	X	X	X
0	5	X	X	X
0	6	1	X	X
0	7	X	X	X
1	0	0	0	1
1	1	X	X	X
1	2	0	1	0
1	3	X	X	X
1	4	X	X	X
1	5	X	X	X
1	6	X	X	X
1	7	X	X	X

000 → symbol space  
 000 → dot  
 010 → dash  
 011 → character space  
 1xx → word space

$$\text{Out 2} = \text{Count}[2] = F(4, 5, 6, 7, 12, 13, 14, 15)$$

$$\text{Out 1} = \text{Count}[1] = F(2, 3, 6, 7, 10, 11, 14, 15)$$

$$\text{Out 0} = \text{IN} \otimes \text{Count}[0]$$

$$\text{Out 2} = \text{Count}[2] \otimes \text{Count}[0] = F(4, 6, 12, 14)$$

$$\text{Out 1} = \text{Count}[1] \otimes \text{Count}[0]$$

$$\text{Out 0} = \text{Count}[1] \otimes \text{IN}$$