9, 21, 7, 30, 31, 17, 25, 5 ,0, 20, 8, 14,19, 26,4, 22, FUNCTIONING

15, 29, 28, 27, 13, 12 , 24 , 23, 2, 6, 1 , 3, 18, 11, 10, 16 ,

1, 0, 0, 1,0, 1,0, 1, 1, 0, 0, 0, 1, 0, 1, 0,

0, 0, 1, 0, 1, 0 , 1, 0 1, 0, 1 , 0, 0, 0, 0, 1,

Rotated:

16, 10, 11, 18 | 3, 1, 6, 2 | 23, 24, 12, 13 | 27, 28, 29, 15

0,1,1,1 | 1,0,1,0 | 1,1,1,0 | 1, 0, 1, 1

22, 4, 26, 19 14, 8, 20, 0 5, 25, 17, 31 30, 7, 21, 9

1, 0, 1, 0 ,1, 1, 1, 0 ,0, 1, 0, 1 , 0, 1, 1, 0