

2018年2月23日

ハノイの塔とGray code

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Binary Code と Gray Code

Decimal numbers	Binary Code	Gray Code
0	0000	0000
1	0001	0001
2	0010	0011
3	0011	0010
4	0100	0110
5	0101	0111
6	0110	0101
7	0111	0100
8	1000	1100
9	1001	1101
10	1010	1111
11	1011	1110
12	1100	1010
13	1101	1011
14	1110	1001
15	1111	1000

0: 0 0 0

$Q_2 Q_1 Q_0$

0 0 0

0 0 1

0 1 1

0 1 0

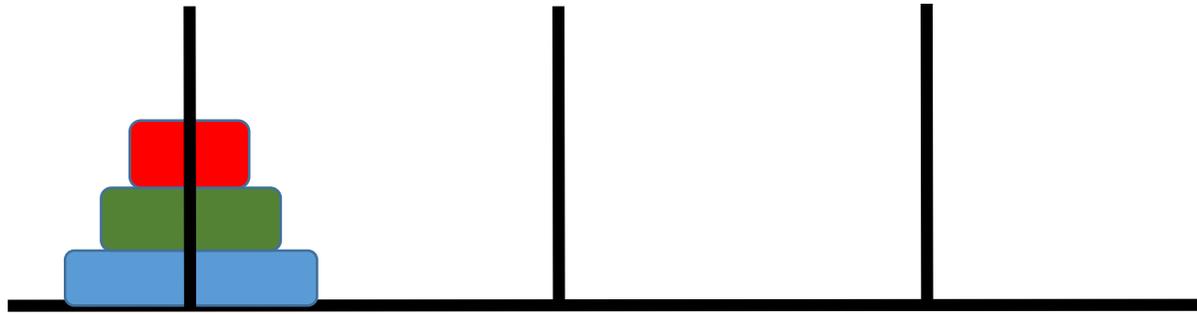
.....

1 1 0

1 1 1

1 0 1

1 0 0



1: 0 0 1

$Q_2 Q_1 Q_0$

0 0 0

0 0 1

0 1 1

0 1 0

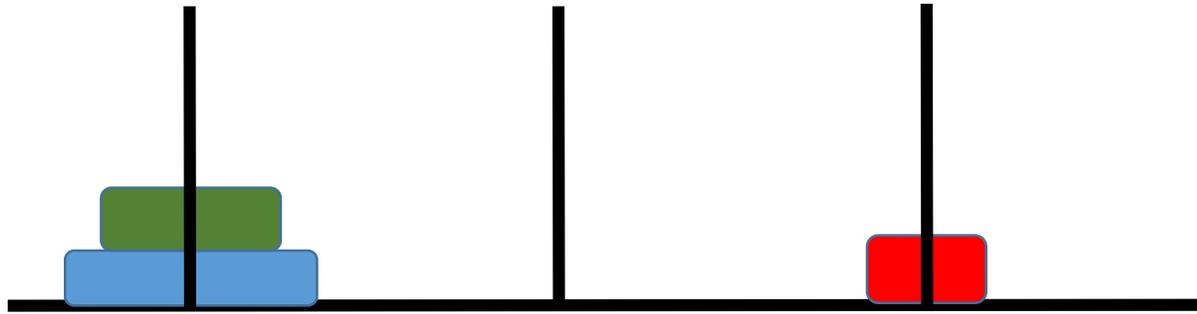
.....

1 1 0

1 1 1

1 0 1

1 0 0



2: 0 1 1

$Q_2 Q_1 Q_0$

0 0 0

0 0 1

0 1 1

0 1 0

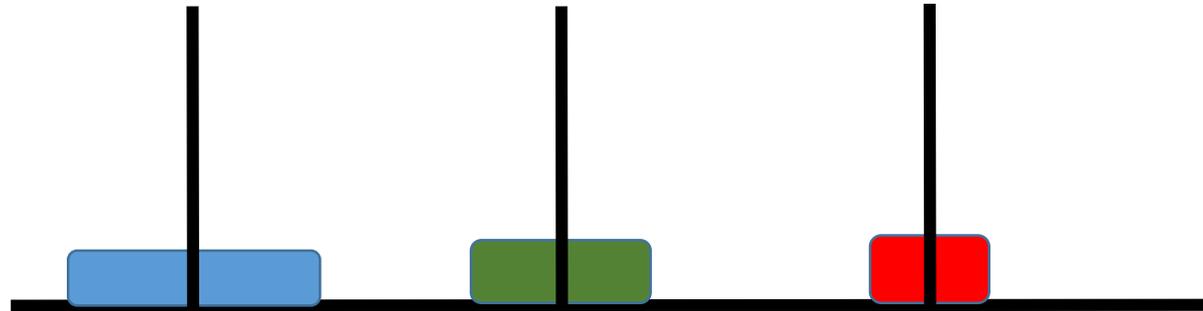
.....

1 1 0

1 1 1

1 0 1

1 0 0



3: 0 1 0

$Q_2 Q_1 Q_0$

0 0 0

0 0 1

0 1 1

0 1 0

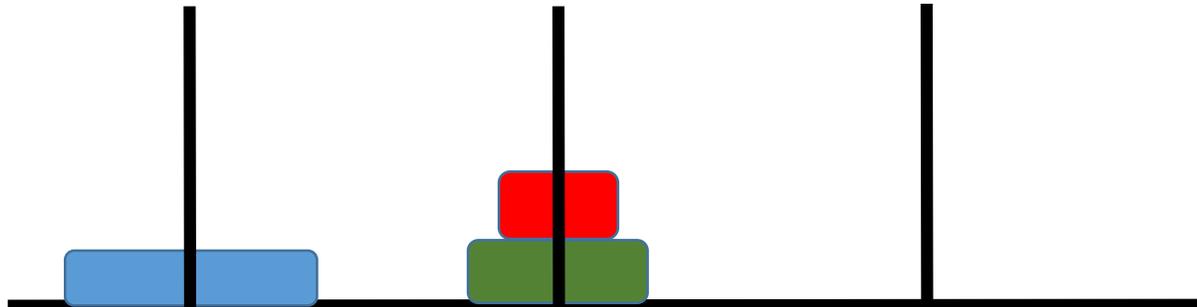


1 1 0

1 1 1

1 0 1

1 0 0



4: 1 1 0

$Q_2 Q_1 Q_0$

0 0 0

0 0 1

0 1 1

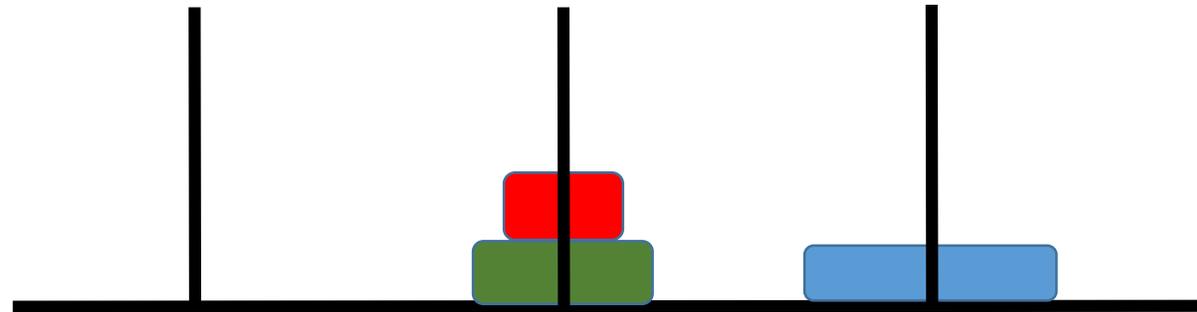
0 1 0

1 1 0

1 1 1

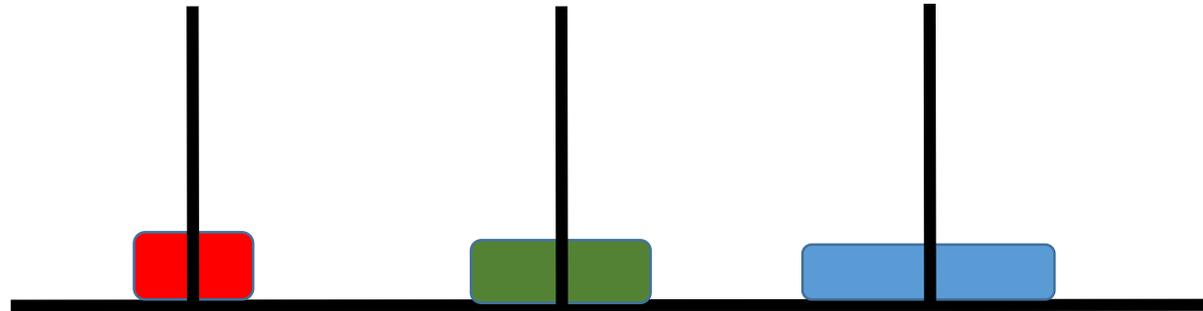
1 0 1

1 0 0



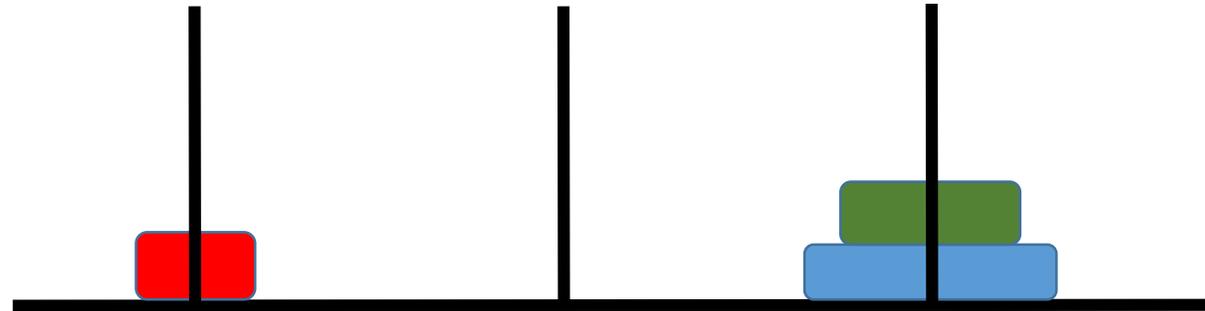
5: 1 1 1

$Q_2 Q_1 Q_0$
0 0 0
0 0 1
0 1 1
0 1 0
.....
1 1 0
1 1 1
1 0 1
1 0 0



6: 1 0 1

$Q_2 Q_1 Q_0$
0 0 0
0 0 1
0 1 1
0 1 0
.....
1 1 0
1 1 1
1 0 1
1 0 0



7: 1 0 0

Q_2	Q_1	Q_0
0	0	0
0	0	1
0	1	1
0	1	0

1	1	0
1	1	1
1	0	1
1	0	0

