

$$n = 3$$

code	k
00	0 (000)
01	1 (001)
11	2 (010)
10	3 (011)
10	4 ( <b>1</b> 00)
11	5 ( <b>1</b> 01)
01	6 ( <b>1</b> 10)
00	7 ( <b>1</b> 11)

$$(1 \ll n) - 1 - k = 7 - k$$