

First two and Last one

The title "First two and Last one" means that two stones are removed at the beginning of the game and one stone is left at the end of the game. There are two way to select the two stones.

In one way, one of the two stones is the stone to be left at the end of the game played according to Virtual rule without removing any stone. And the other of the two stones is either one of remained stones.

In the other way, one of the two stones is First stone to be removed at the beginning of the game played according to Usual rule, And the other of the two stones is determined by Last stone to be left at the end of the game played according to Usual rule.

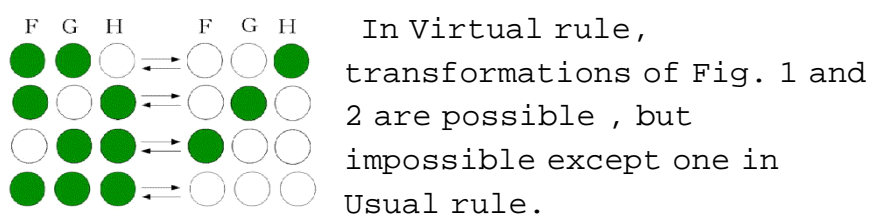


Fig. 1

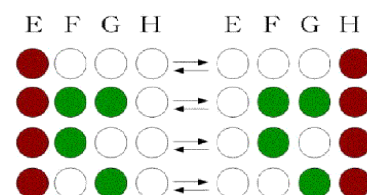


Fig. 2

For example, if Square 16 of Fig. 3 is played according to Virtual rule without removing any stone, either one of

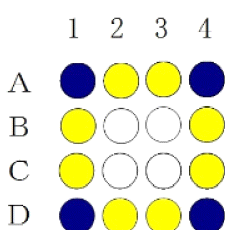


Fig. 3

four blue color stones remains. Therefore, First stone of Square 16 is either one of yellow color stones of Fig. 3. And then, if First stone is yellow color stone B4, Last stone is red color stone C1 or C4 of Fig. 4.

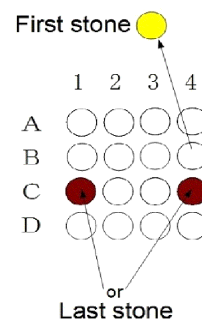


Fig. 4

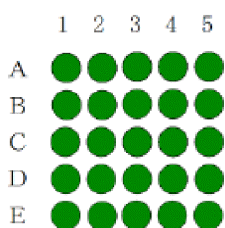


Fig. 5

For example, if Square 25 of Fig. 5 is played according to Virtual rule without removing any stone, one green color stone C3 of Fig. 6 remains. Therefore, First stone is either one of yellow color stones of Fig. 6.

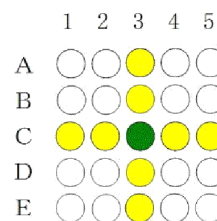


Fig. 6

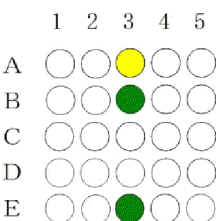


Fig. 7

Then, if First stone is yellow color stone A3 of Fig. 7, Last stone is green color stone B3 or E3 of Fig. 7. And also, if First stone is yellow color stone B3 of Fig. 8, Last stone is green color stone A3 or D3 of Fig. 8.

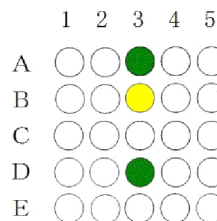


Fig. 8

Square16F2board

In Square16F2board, two stones are already removed to be able to leave only one stone at the end of the game according to Usual rule. The arrays of the two stones are mutually different including rotation or mirror symmetry.

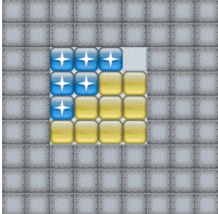


Fig. 1

One of the two stones is removed from the hole of Fig. 1. If the game is played without removing First stone according to Virtual rule, Last stone is left in the hole of Fig. 1. Considering the symmetry, the other of the two stones is either one of yellow color stones of Fig. 1.

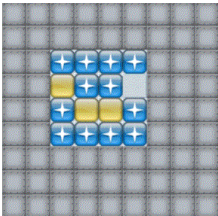


Fig. 2

One of the two stones is the same as First stone already removed from the hole of Fig. 2. The First stone is the stone to be removed at the beginning of the game according to Usual rule. The other of the two stones is either one of yellow color stones of Fig. 2.

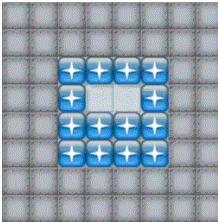


Fig. 3

The two holes of Fig. 3 are selected so as the two stones of the two holes are transformed to First stone according to Virtual rule. The First stone is the stone to be removed at the beginning of the game according to Usual rule.

Square25F2board

In Square25F2board, two stones are removed to be able to leave only one stone at the end of the game according to Usual rule. The arrays of the two stones are mutually different including rotation or mirror symmetry.

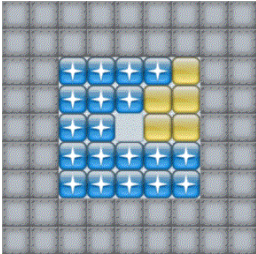


Fig. 1

One of the two stones is removed from the hole of Fig. 1. If the game is played without removing First stone according to Virtual rule, Last stone is left in the hole of Fig. 1. Considering the symmetry, the other of the two stones is either one of yellow color stones of Fig. 1.

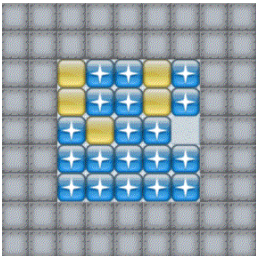


Fig. 2

One of the two stones is the same as First stone already removed from the hole of Fig. 2. The First stone is the stone to be removed at the beginning of the game according to Usual rule. The other of the two stones is either one of yellow color stones of Fig. 2.

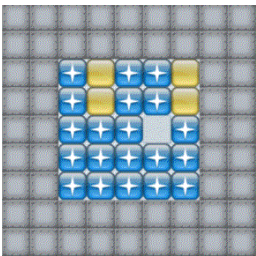


Fig. 3

One of the two stones is the same as another First stone already removed from the hole of Fig. 3. The another First stone is the stone to be removed at the beginning of the game according to Usual rule. The other of the two stones is either one of yellow color stones of Fig. 3.

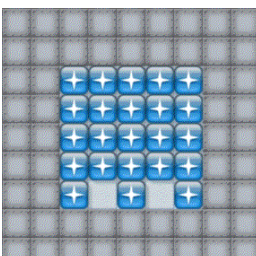


Fig. 4

The two holes of Fig. 4 and 5 are selected so as the two stones of the two holes are transformed to First stone according to Virtual rule. The First stone is the stone to be removed at the beginning of the game according to Usual rule.

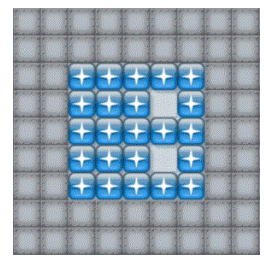


Fig. 5