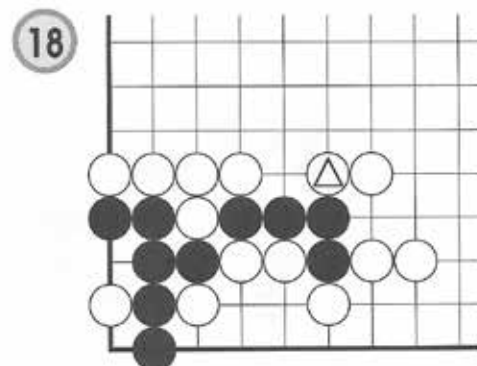
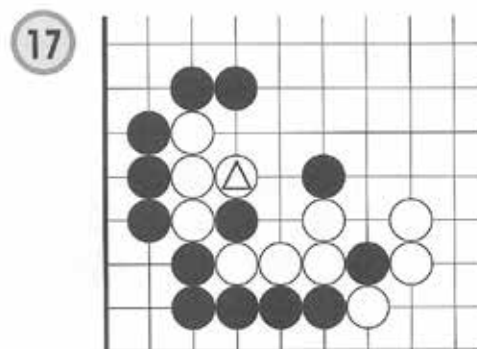
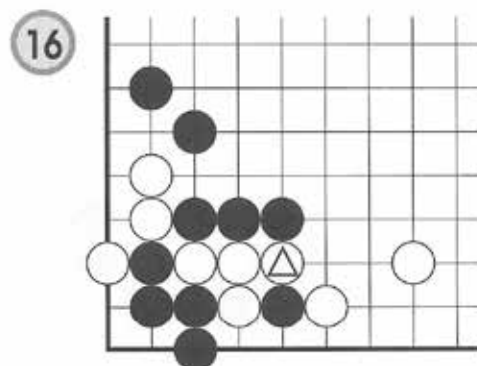
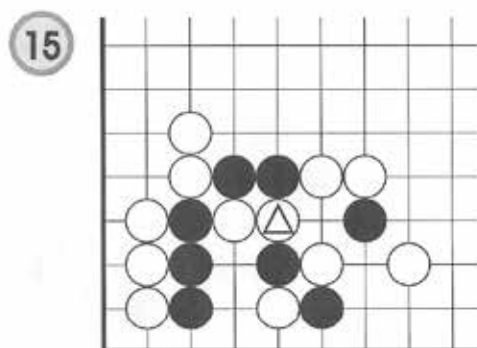
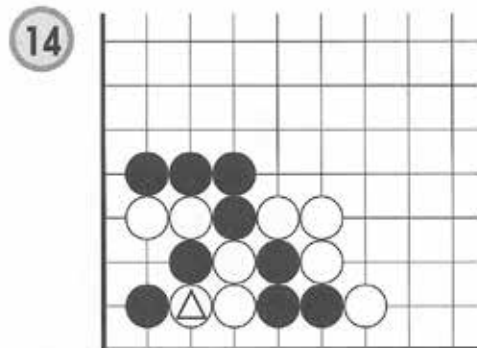
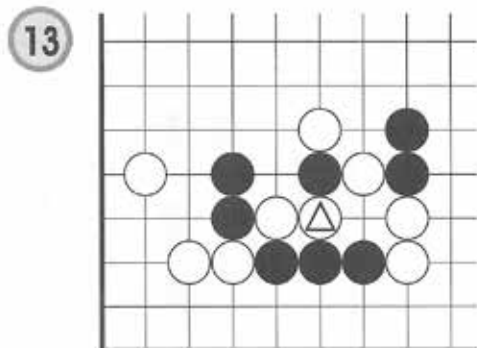


## 3

## Hoidori/Oiotoshi

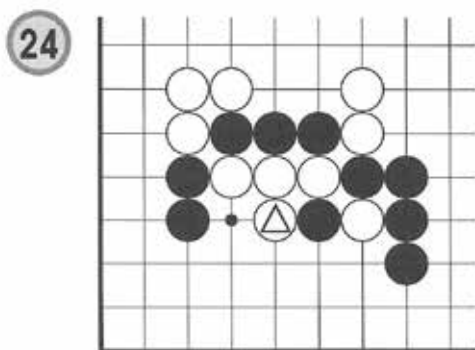
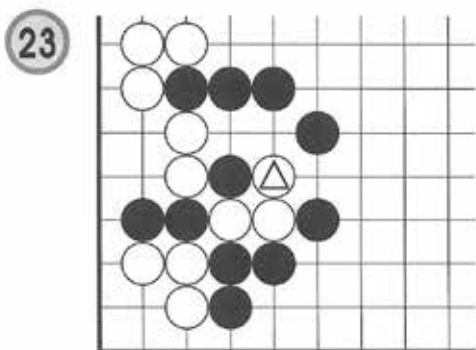
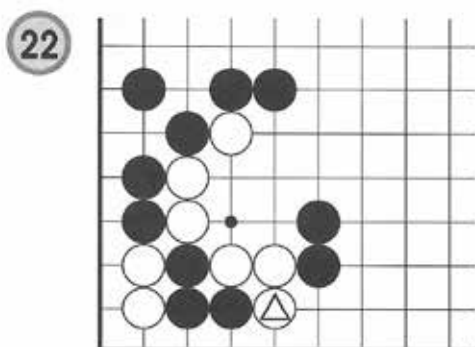
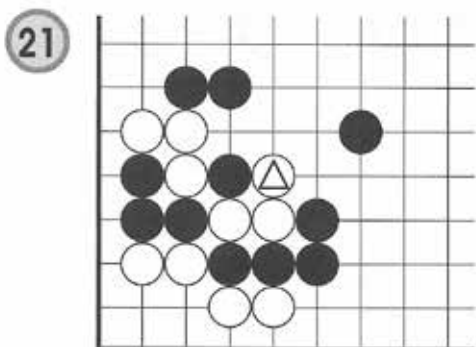
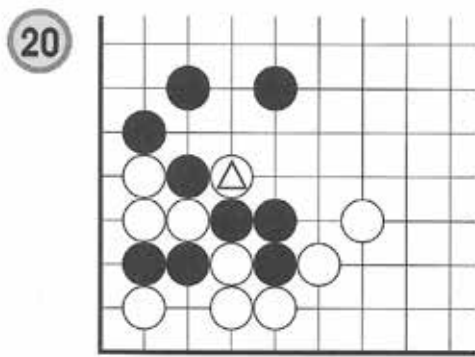
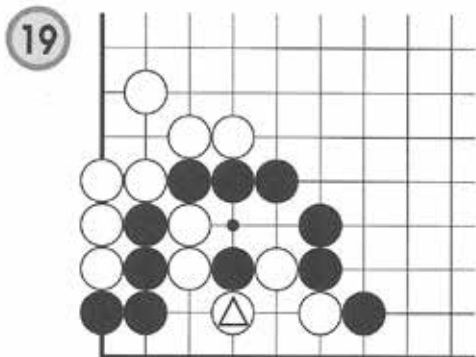
The marked White stone has just been played. Capture the White chain with hoidori! (Indicate three moves.)



## 3

## Hoidori/Oiotoshi

The marked White stone has just been played. Capture the White chain with hoidori! (Indicate three moves.)

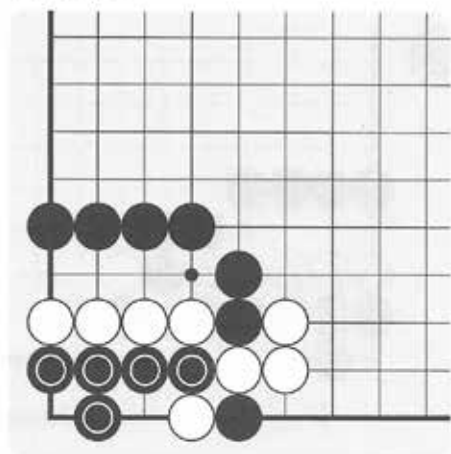


## 4. Capturing Race

A capturing race is inevitable in actual games. Let's study some complicated skills of capturing races!

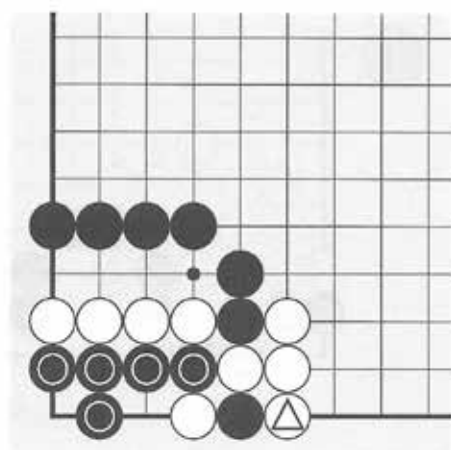
- 4-1. Liberty Counting
  - 4-2. Capturing Race
-

• Dia.1 •



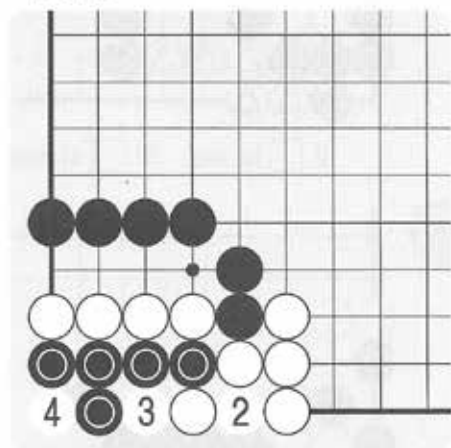
Dia.1 How many liberties does the marked chain have?

• Dia.2 •



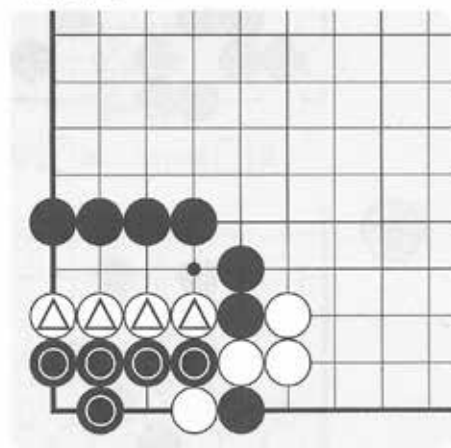
Dia.2 First the marked White stone is needed to fill the liberties of Black's chain.

• Dia.3 •



Dia.3 Then, White needs three more moves (2, 3 and 4). Therefore, the marked Black chain has four liberties.

• Dia.4 •

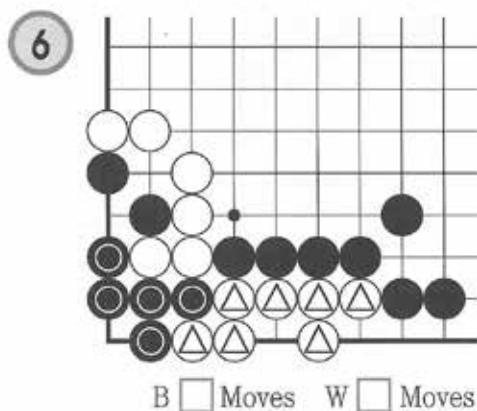
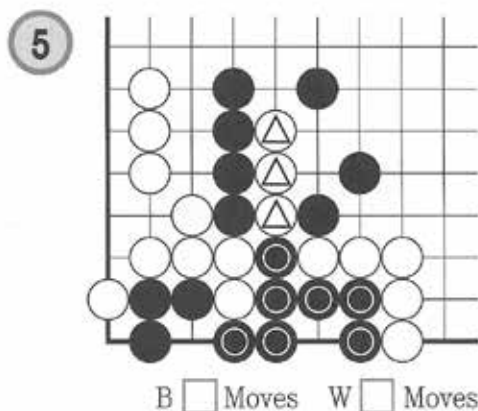
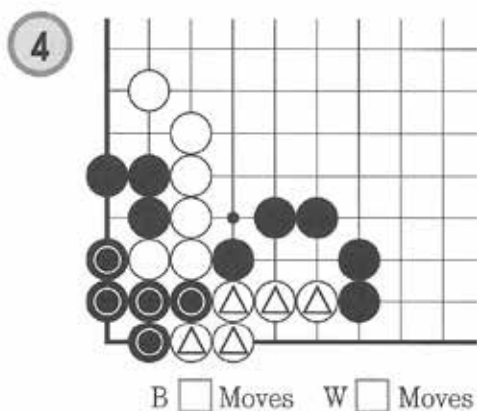
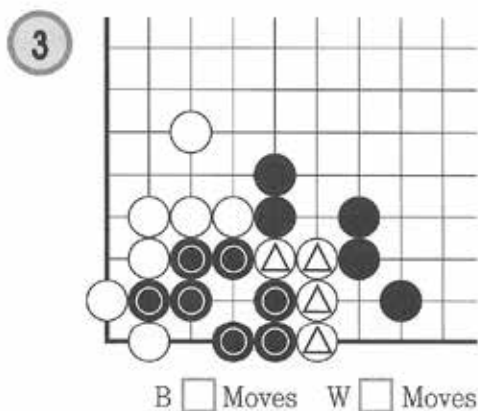
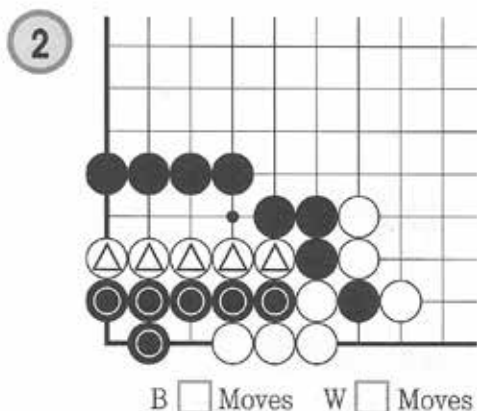
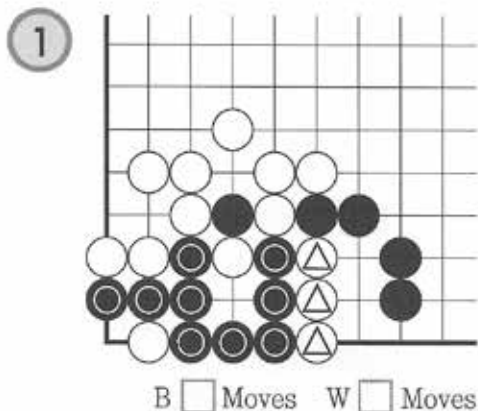


Dia.4 Both Black and White group have four liberties.

# 4

## 1. Liberty Counting

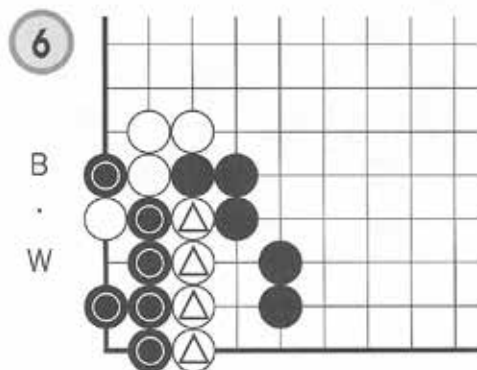
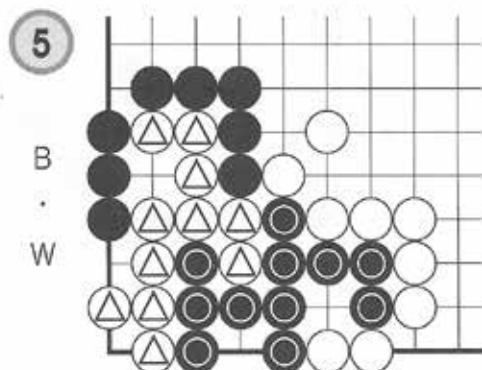
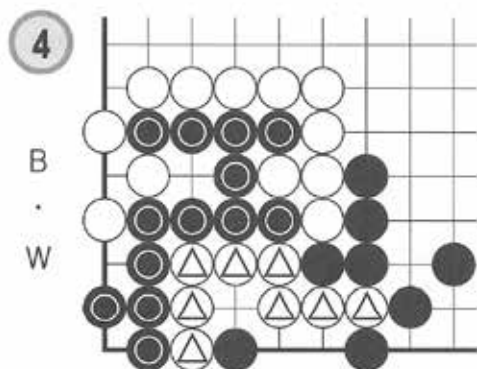
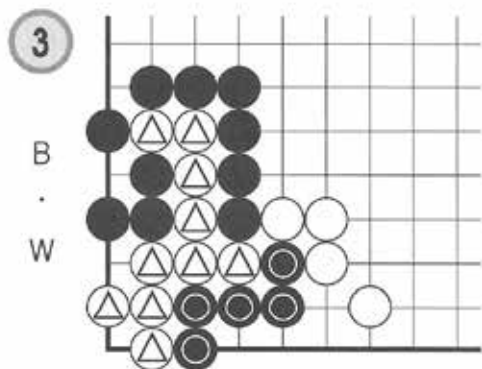
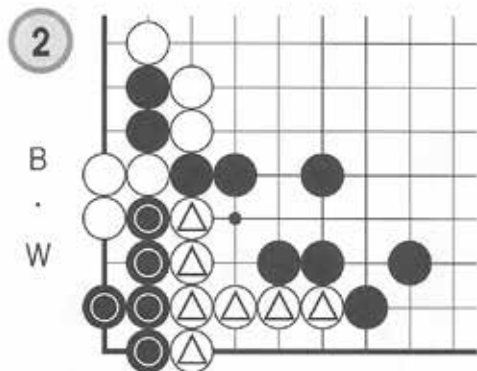
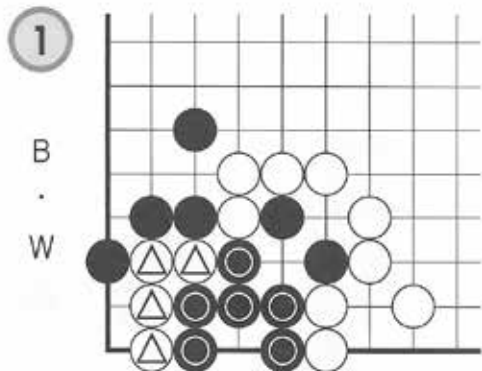
Write the number of liberties for the marked Black and White group respectively.



## 4

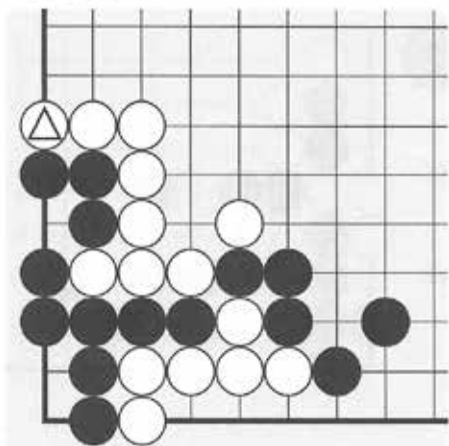
## 1. Liberty Counting

The marked Black and White group are in the capturing race. Who wins the capturing race? (Black to play)



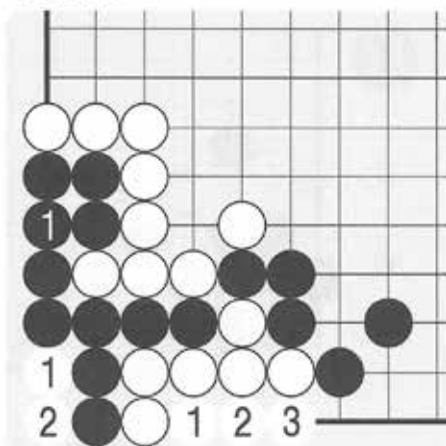
## 4-2 Capturing Race

### • Dia.1 •



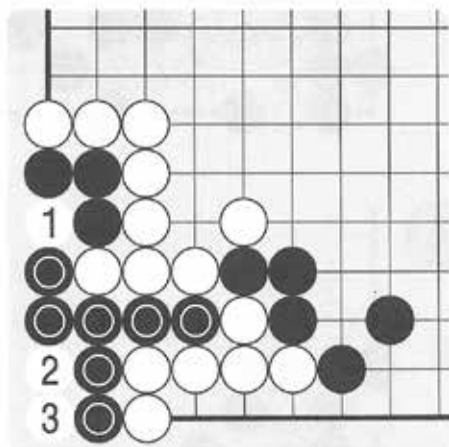
Dia.1 The marked White stone has just been played.

### • Dia.2 •



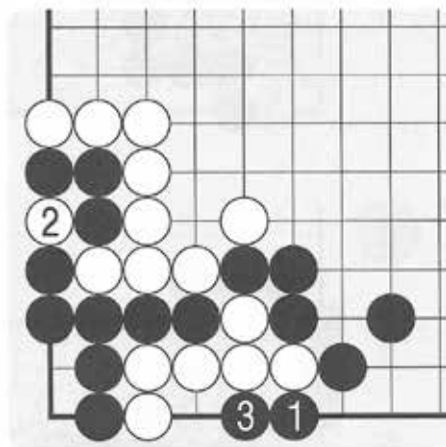
Dia.2 If Black connects at 1, Black has only two liberties left while White three. Therefore, Black will lose this capturing race.

### • Dia.3 •



Dia.3 The marked Black stones are the key ones. They have three liberties.

### • Dia.4 •

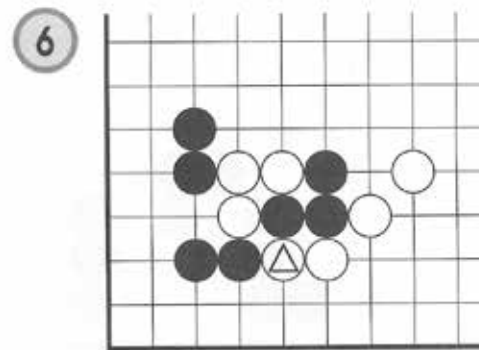
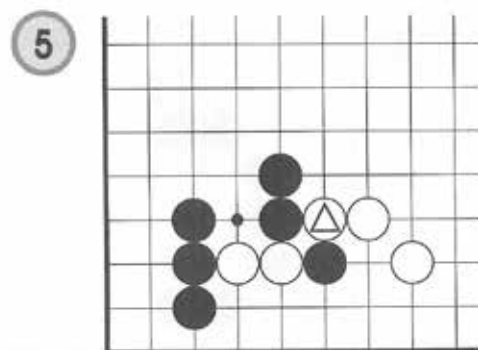
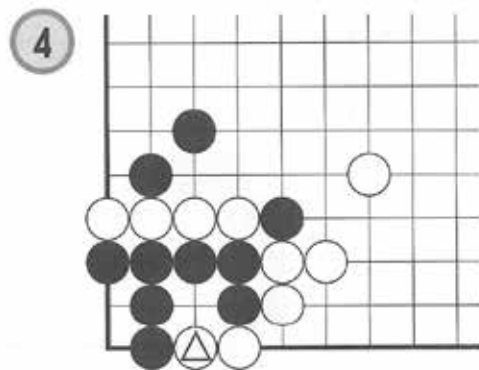
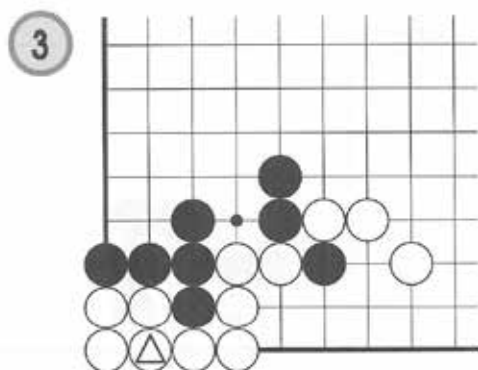
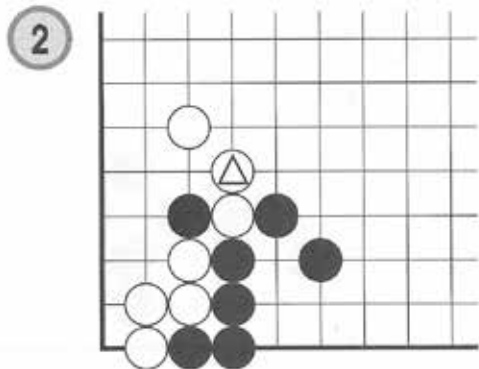
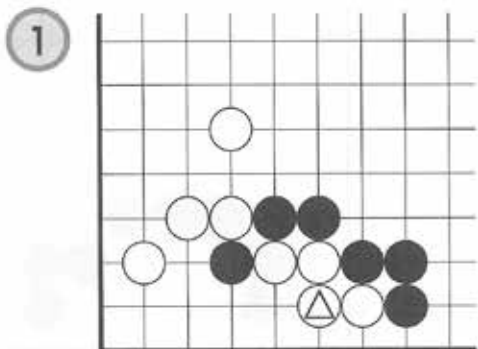


Dia.4 Black 1, 3 kills the White group.

## 4

## 2. Capturing Race

The marked White stone has just been played. Where should Black play to win this capturing race? (One move only)



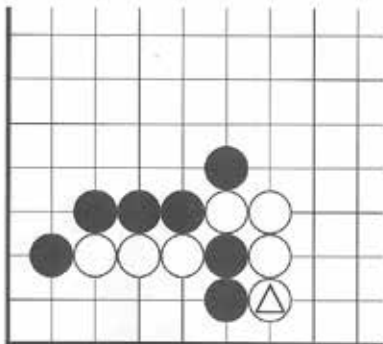


## 4

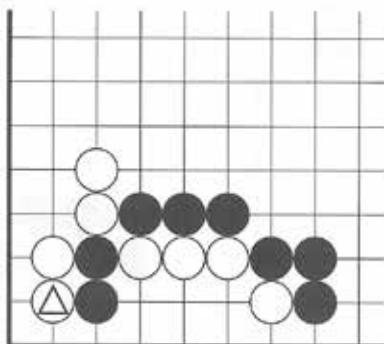
## 2. Capturing Race

The marked White stone has just been played. Where should Black play to win this capturing race? (One move only)

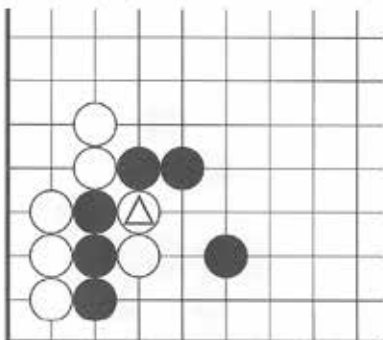
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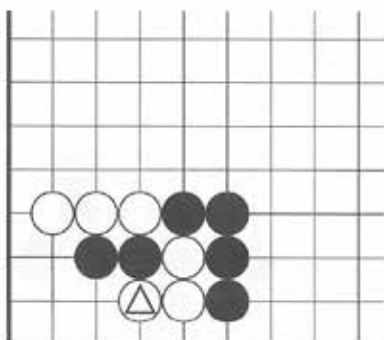
8



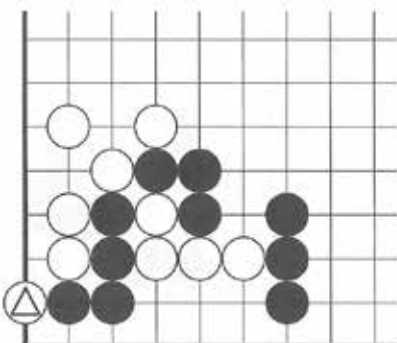
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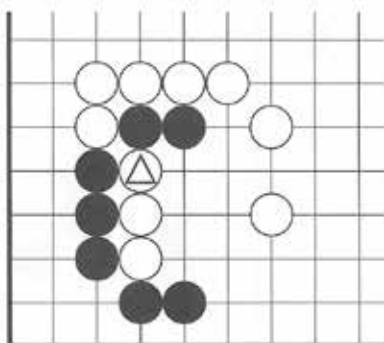
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11



12

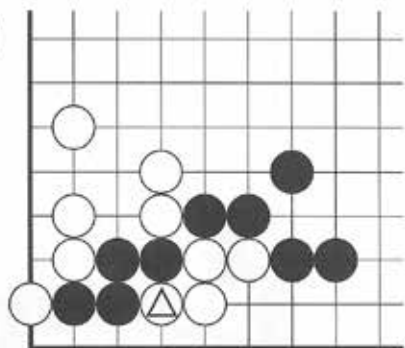


## 4

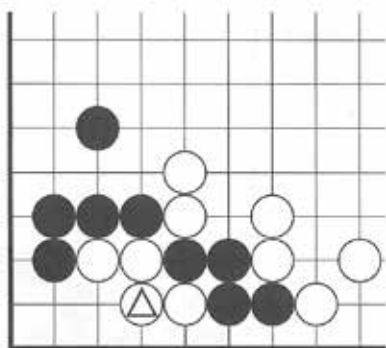
## 2. Capturing Race

The marked White stone has just been played. Where should Black play to win this capturing race? (One move only)

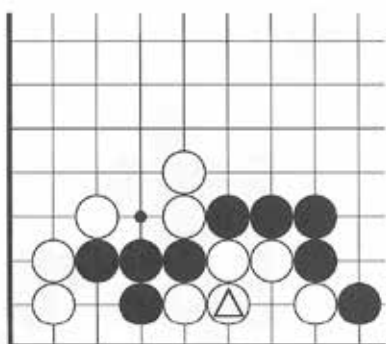
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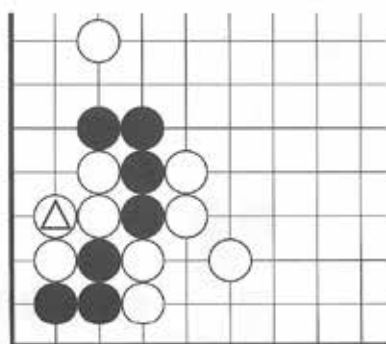
14



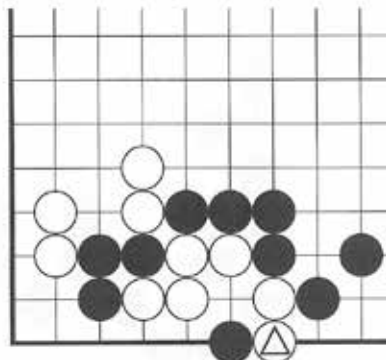
15



16



17



18

