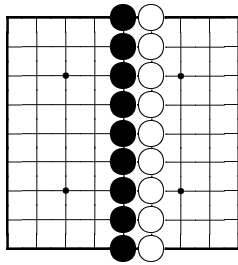


MAT 230 Igo Math example questions

1 Scoring

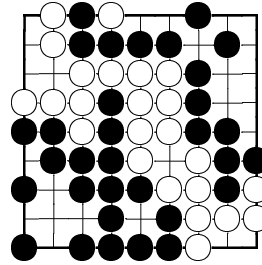
Using territorial scoring, find the scores of both players. What is the result of the game? The number of stones captured during the game is given without the number of dead stones on the board.

Exercise 1.



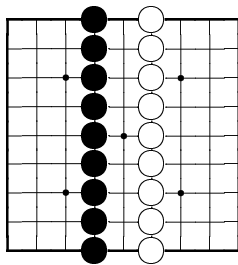
Komi is 6.5, no prisoners.

Exercise 3.



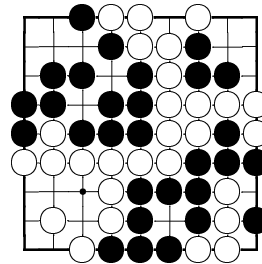
Komi is 3.5, black captured 9 stones, white captured 2.

Exercise 2.



Komi is 6.5, no prisoners.

Exercise 4.

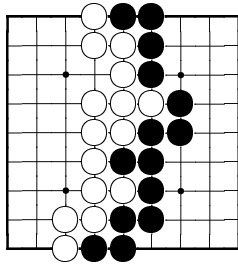


Komi is 5.5, black captured 1 stone, white captured none.

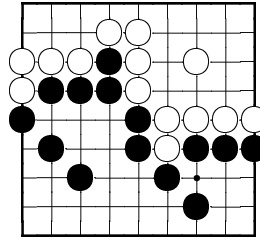
2 Counting chains and liberties

Count the number of chains in the given board positions.

Exercise 5.

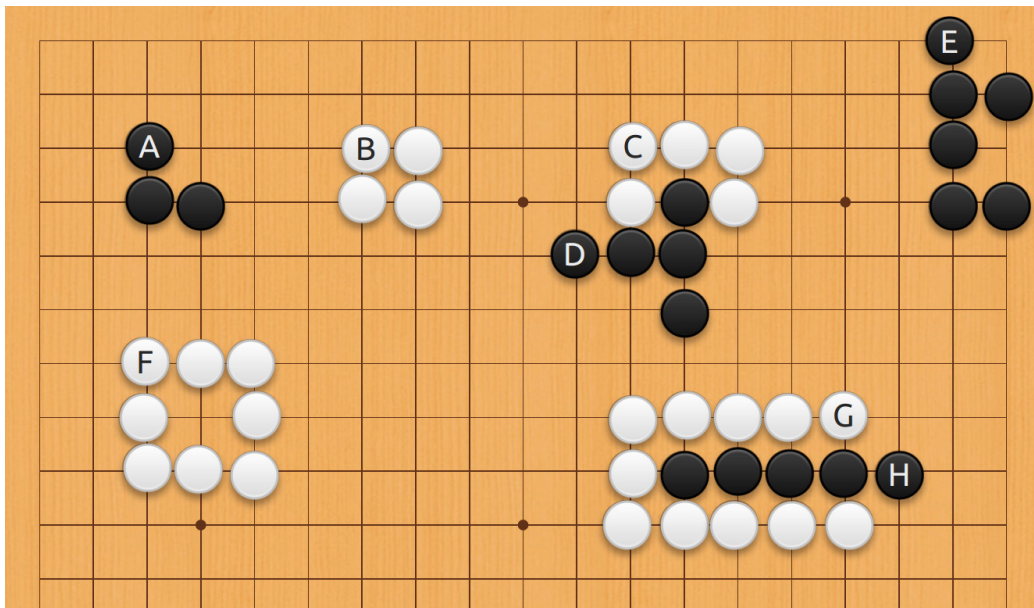


Exercise 6.



Count the liberties of the chains!

Exercise 7.



Solutions

Solution 1.

scores: black 36, white $27+6.5=33.5$; result: B+2.5

Solution 2.

scores: black 27, white $27+6.5=33.5$; result: W+6.5

Solution 3.

scores: black $19+1+9=29$, white $7+2+3.5=12.5$; result: B+16.5

Solution 4.

scores: black $15+1+4=20$, white $16+3+5.5=24.5$; result: B+4.5

Solution 5.

white: 1, black: 2

Solution 6.

white: 4, black: 8

Solution 7.

A 7, B 8, C 8, D 7, E 8, F 13, G 15, H 3