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Algorithm Description:

Given a line of input, like

HandA:Ac-Kd-Jd-3d HandB:5c-5d-6c-7d Board:Ah-Kh-5s-2s-Qd

Then there are four cards both in HandA and HandB, 5 cards in board;

**High hand computation:**

1, To select 2 cards from HandA, and 3 cards from board to create a 5-card combo, totally there are 6\*10=60 combinations.

2, In those 60 combinations, for each one, try to calculate the highest possible high-hand rankingA.

3, The same operation will be done to HandB, the highest ranking for handB is rankingB;

4, compare ranking A and ranking B, get the winner.

**Low hand computation:**

1, the combination is the same as high-hand, for each combination, compute lowest possible rankingA and rankignB;

2, compare ranking A and rankingB, get the final low hand winner.

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To complile the source code, navigate to the project folder in the terminal, run

g++ -std=c++11 -o main main.cpp

in this way the unix executable is created, then run

./main input.txt output.txt.