

Program call #1:
./straights 0221

Standard Output: (> = input)

*****Note added lines for clarity**

Is Player1 a human (h) or a computer (c)?

>h

Is Player2 a human (h) or a computer (c)?

>c

Is Player3 a human (h) or a computer (c)?

>h

Is Player4 a human (h) or a computer (c)?

>c

A new round begins. It's Player2's turn to play.

Cards on the table:

Clubs:

Diamonds:

Hearts:

Spades:

Your hand: 7C 4C 8D QD 7S TD TH 7D 9S 9D QS 9H 5D

Legal plays: 7S

Player2 plays 7S.

Cards on the table:

Clubs:

Diamonds:

Hearts:

Spades: 7

Your hand: 4D JH JC 8S KH 6H 6D 4S AD 3S 2C 5C AC

Legal plays: 8S

>deck

KS 5H KD QC AS KC 3D JS 2H 9C 2S 3C 6C

7C 4C 8D QD 7S TD TH 7D 9S 9D QS 9H 5D

4D JH JC 8S KH 6H 6D 4S AD 3S 2C 5C AC

JD 7H 4H 3H AH QH 5S TC 8C 2D 6S 8H TS

>play 8S

Player3 plays 8S.

Cards on the table:

Clubs:

Diamonds:

Hearts:

Spades: 7 8

Your hand: JD 7H 4H 3H AH QH 5S TC 8C 2D 6S 8H TS

Legal plays: 7H 6S

Player4 plays 7H.

Cards on the table:

Clubs:

Diamonds:

Hearts: 7

Spades: 7 8

Your hand: KS 5H KD QC AS KC 3D JS 2H 9C 2S 3C 6C

Legal plays:

>discard KS

Player1 discards KS.

Cards on the table:

Clubs:

Diamonds:

Hearts: 7

Spades: 7 8

Your hand: 7C 4C 8D QD TD TH 7D 9S 9D QS 9H 5D

Legal plays: 7C 7D 9S

Player2 plays 7C.

Cards on the table:

Clubs: 7

Diamonds:

Hearts: 7

Spades: 7 8

Your hand: 4D JH JC KH 6H 6D 4S AD 3S 2C 5C AC

Legal plays: 6H

>discard JH

You have a legal play. You may not discard.

>play KH

This is not a legal play.

>ragequit

Player3 ragequits. A computer will now take over.

Player3 plays 6H.

Cards on the table:

Clubs: 7

Diamonds:

Hearts: 6 7

Spades: 7 8

Your hand: JD 4H 3H AH QH 5S TC 8C 2D 6S 8H TS
Legal plays: 8C 6S 8H
Player4 plays 8C.

Cards on the table:
Clubs: 7 8
Diamonds:
Hearts: 6 7
Spades: 7 8
Your hand: 5H KD QC AS KC 3D JS 2H 9C 2S 3C 6C
Legal plays: 5H 9C 6C
>play 6C
Player1 plays 6C.

Cards on the table:
Clubs: 6 7 8
Diamonds:
Hearts: 6 7
Spades: 7 8
Your hand: 4C 8D QD TD TH 7D 9S 9D QS 9H 5D
Legal plays: 7D 9S
Player2 plays 7D.

Cards on the table:
Clubs: 6 7 8
Diamonds: 7
Hearts: 6 7
Spades: 7 8
Your hand: 4D JH JC 6D 4S AD 3S 2C 5C AC
Legal plays: 6D 5C
Player3 plays 6D.

Cards on the table:
Clubs: 6 7 8
Diamonds: 6 7
Hearts: 6 7
Spades: 7 8
Your hand: JD 4H 3H AH QH 5S TC 2D 6S 8H TS
Legal plays: 6S 8H
Player4 plays 6S.

Cards on the table:
Clubs: 6 7 8
Diamonds: 6 7

Hearts: 6 7

Spades: 6 7 8

Your hand: 5H KD QC AS KC 3D JS 2H 9C 2S 3C

Legal plays: 5H 9C

>deck

KS 5H KD QC AS KC 3D JS 2H 9C 2S 3C 6C

7C 4C 8D QD 7S TD TH 7D 9S 9D QS 9H 5D

4D JH JC 8S KH 6H 6D 4S AD 3S 2C 5C AC

JD 7H 4H 3H AH QH 5S TC 8C 2D 6S 8H TS

>discard QC

You have a legal play. You may not discard.

>ragequit

Player1 ragequits. A computer will now take over.

Player1 plays 5H.

Cards on the table:

Clubs: 6 7 8

Diamonds: 6 7

Hearts: 5 6 7

Spades: 6 7 8

Your hand: 4C 8D QD TD TH 9S 9D QS 9H 5D

Legal plays: 8D 9S 5D

Player2 plays 8D.

Cards on the table:

Clubs: 6 7 8

Diamonds: 6 7 8

Hearts: 5 6 7

Spades: 6 7 8

Your hand: 4D JH JC 4S AD 3S 2C 5C AC

Legal plays: 5C

Player3 plays 5C.

Cards on the table:

Clubs: 5 6 7 8

Diamonds: 6 7 8

Hearts: 5 6 7

Spades: 6 7 8

Your hand: JD 4H 3H AH QH 5S TC 2D 8H TS

Legal plays: 4H 5S 8H

Player4 plays 4H.

Cards on the table:

Clubs: 5 6 7 8

Diamonds: 6 7 8
Hearts: 4 5 6 7
Spades: 6 7 8
Your hand: KD QC AS KC 3D JS 2H 9C 2S 3C
Legal plays: 9C
Player1 plays 9C.

Cards on the table:
Clubs: 5 6 7 8 9
Diamonds: 6 7 8
Hearts: 4 5 6 7
Spades: 6 7 8
Your hand: 4C QD TD TH 9S 9D QS 9H 5D
Legal plays: 4C 9S 9D 5D
Player2 plays 4C.

Cards on the table:
Clubs: 4 5 6 7 8 9
Diamonds: 6 7 8
Hearts: 4 5 6 7
Spades: 6 7 8
Your hand: 4D JH JC 4S AD 3S 2C AC
Legal plays:
Player3 discards 4D.

Cards on the table:
Clubs: 4 5 6 7 8 9
Diamonds: 6 7 8
Hearts: 4 5 6 7
Spades: 6 7 8
Your hand: JD 3H AH QH 5S TC 2D 8H TS
Legal plays: 3H 5S TC 8H
Player4 plays 3H.

Cards on the table:
Clubs: 4 5 6 7 8 9
Diamonds: 6 7 8
Hearts: 3 4 5 6 7
Spades: 6 7 8
Your hand: KD QC AS KC 3D JS 2H 2S 3C
Legal plays: 2H 3C
Player1 plays 2H.

Cards on the table:

Clubs: 4 5 6 7 8 9
Diamonds: 6 7 8
Hearts: 2 3 4 5 6 7
Spades: 6 7 8
Your hand: QD TD TH 9S 9D QS 9H 5D
Legal plays: 9S 9D 5D
Player2 plays 9S.

Cards on the table:
Clubs: 4 5 6 7 8 9
Diamonds: 6 7 8
Hearts: 2 3 4 5 6 7
Spades: 6 7 8 9
Your hand: JH JC 4S AD 3S 2C AC
Legal plays:
Player3 discards JH.

Cards on the table:
Clubs: 4 5 6 7 8 9
Diamonds: 6 7 8
Hearts: 2 3 4 5 6 7
Spades: 6 7 8 9
Your hand: JD AH QH 5S TC 2D 8H TS
Legal plays: AH 5S TC 8H TS
Player4 plays AH.

Cards on the table:
Clubs: 4 5 6 7 8 9
Diamonds: 6 7 8
Hearts: A 2 3 4 5 6 7
Spades: 6 7 8 9
Your hand: KD QC AS KC 3D JS 2S 3C
Legal plays: 3C
Player1 plays 3C.

Cards on the table:
Clubs: 3 4 5 6 7 8 9
Diamonds: 6 7 8
Hearts: A 2 3 4 5 6 7
Spades: 6 7 8 9
Your hand: QD TD TH 9D QS 9H 5D
Legal plays: 9D 5D
Player2 plays 9D.

Cards on the table:
Clubs: 3 4 5 6 7 8 9
Diamonds: 6 7 8 9
Hearts: A 2 3 4 5 6 7
Spades: 5 6 7 8 9
Your hand: KD QC AS KC 3D JS 2S
Legal plays:
Player1 discards KD.

Cards on the table:
Clubs: 2 3 4 5 6 7 8 9
Diamonds: 6 7 8 9
Hearts: A 2 3 4 5 6 7
Spades: 5 6 7 8 9
Your hand: QD TD TH QS 9H 5D
Legal plays: TD 5D
Player2 plays TD.

Cards on the table:
Clubs: 2 3 4 5 6 7 8 9
Diamonds: 6 7 8 9 T
Hearts: A 2 3 4 5 6 7
Spades: 5 6 7 8 9
Your hand: JC 4S AD 3S AC
Legal plays: 4S AC
Player3 plays 4S.

Cards on the table:
Clubs: 2 3 4 5 6 7 8 9
Diamonds: 6 7 8 9 T
Hearts: A 2 3 4 5 6 7
Spades: 4 5 6 7 8 9
Your hand: JD QH TC 2D 8H TS
Legal plays: JD TC 8H TS
Player4 plays JD.

Cards on the table:
Clubs: 2 3 4 5 6 7 8 9
Diamonds: 6 7 8 9 T J
Hearts: A 2 3 4 5 6 7
Spades: 4 5 6 7 8 9
Your hand: QC AS KC 3D JS 2S
Legal plays:
Player1 discards QC.

Cards on the table:
Clubs: 2 3 4 5 6 7 8 9
Diamonds: 6 7 8 9 T J
Hearts: A 2 3 4 5 6 7
Spades: 4 5 6 7 8 9
Your hand: QD TH QS 9H 5D
Legal plays: QD 5D
Player2 plays QD.

Cards on the table:
Clubs: 2 3 4 5 6 7 8 9
Diamonds: 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7
Spades: 4 5 6 7 8 9
Your hand: JC AD 3S AC
Legal plays: 3S AC
Player3 plays 3S.

Cards on the table:
Clubs: 2 3 4 5 6 7 8 9
Diamonds: 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7
Spades: 3 4 5 6 7 8 9
Your hand: QH TC 2D 8H TS
Legal plays: TC 8H TS
Player4 plays TC.

Cards on the table:
Clubs: 2 3 4 5 6 7 8 9 T
Diamonds: 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7
Spades: 3 4 5 6 7 8 9
Your hand: AS KC 3D JS 2S
Legal plays: 2S
Player1 plays 2S.

Cards on the table:
Clubs: 2 3 4 5 6 7 8 9 T
Diamonds: 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7
Spades: 2 3 4 5 6 7 8 9
Your hand: TH QS 9H 5D
Legal plays: 5D

Player2 plays 5D.

Cards on the table:

Clubs: 2 3 4 5 6 7 8 9 T

Diamonds: 5 6 7 8 9 T J Q

Hearts: A 2 3 4 5 6 7

Spades: 2 3 4 5 6 7 8 9

Your hand: JC AD AC

Legal plays: JC AC

Player3 plays JC.

Cards on the table:

Clubs: 2 3 4 5 6 7 8 9 T J

Diamonds: 5 6 7 8 9 T J Q

Hearts: A 2 3 4 5 6 7

Spades: 2 3 4 5 6 7 8 9

Your hand: QH 2D 8H TS

Legal plays: 8H TS

Player4 plays 8H.

Cards on the table:

Clubs: 2 3 4 5 6 7 8 9 T J

Diamonds: 5 6 7 8 9 T J Q

Hearts: A 2 3 4 5 6 7 8

Spades: 2 3 4 5 6 7 8 9

Your hand: AS KC 3D JS

Legal plays: AS

Player1 plays AS.

Cards on the table:

Clubs: 2 3 4 5 6 7 8 9 T J

Diamonds: 5 6 7 8 9 T J Q

Hearts: A 2 3 4 5 6 7 8

Spades: A 2 3 4 5 6 7 8 9

Your hand: TH QS 9H

Legal plays: 9H

Player2 plays 9H.

Cards on the table:

Clubs: 2 3 4 5 6 7 8 9 T J

Diamonds: 5 6 7 8 9 T J Q

Hearts: A 2 3 4 5 6 7 8 9

Spades: A 2 3 4 5 6 7 8 9

Your hand: AD AC

Legal plays: AC
Player3 plays AC.

Cards on the table:
Clubs: A 2 3 4 5 6 7 8 9 T J
Diamonds: 5 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7 8 9
Spades: A 2 3 4 5 6 7 8 9
Your hand: QH 2D TS
Legal plays: TS
Player4 plays TS.

Cards on the table:
Clubs: A 2 3 4 5 6 7 8 9 T J
Diamonds: 5 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7 8 9
Spades: A 2 3 4 5 6 7 8 9 T
Your hand: KC 3D JS
Legal plays: JS
Player1 plays JS.

Cards on the table:
Clubs: A 2 3 4 5 6 7 8 9 T J
Diamonds: 5 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7 8 9
Spades: A 2 3 4 5 6 7 8 9 T J
Your hand: TH QS
Legal plays: TH QS
Player2 plays TH.

Cards on the table:
Clubs: A 2 3 4 5 6 7 8 9 T J
Diamonds: 5 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7 8 9 T
Spades: A 2 3 4 5 6 7 8 9 T J
Your hand: AD
Legal plays:
Player3 discards AD.

Cards on the table:
Clubs: A 2 3 4 5 6 7 8 9 T J
Diamonds: 5 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7 8 9 T
Spades: A 2 3 4 5 6 7 8 9 T J

Your hand: QH 2D
Legal plays:
Player4 discards QH.

Cards on the table:
Clubs: A 2 3 4 5 6 7 8 9 T J
Diamonds: 5 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7 8 9 T
Spades: A 2 3 4 5 6 7 8 9 T J
Your hand: KC 3D
Legal plays:
Player1 discards KC.

Cards on the table:
Clubs: A 2 3 4 5 6 7 8 9 T J
Diamonds: 5 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7 8 9 T
Spades: A 2 3 4 5 6 7 8 9 T J
Your hand: QS
Legal plays: QS
Player2 plays QS.

Cards on the table:
Clubs: A 2 3 4 5 6 7 8 9 T J
Diamonds: 5 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7 8 9 T
Spades: A 2 3 4 5 6 7 8 9 T J Q
Your hand:
Legal plays:

Cards on the table:
Clubs: A 2 3 4 5 6 7 8 9 T J
Diamonds: 5 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7 8 9 T
Spades: A 2 3 4 5 6 7 8 9 T J Q
Your hand: 2D
Legal plays:
Player4 discards 2D.

Cards on the table:
Clubs: A 2 3 4 5 6 7 8 9 T J
Diamonds: 5 6 7 8 9 T J Q
Hearts: A 2 3 4 5 6 7 8 9 T
Spades: A 2 3 4 5 6 7 8 9 T J Q

Your hand: 3D

Legal plays:

Player1 discards 3D.

Player1's discards: KS KD QC KC 3D

Player1's score: $0 + 54 = 54$

Player2's discards:

Player2's score: $0 + 0 = 0$

Player3's discards: 4D JH AD

Player3's score: $0 + 16 = 16$

Player4's discards: QH 2D

Player4's score: $0 + 14 = 14$

A new round begins. It's Player2's turn to play.

Cards on the table:

Clubs:

Diamonds:

Hearts:

Spades:

Your hand: 3D QC 7D 9H 5S 9D 3S TH 8C 9S 8H AD 7S

Legal plays: 7S

Player2 plays 7S.

Cards on the table:

Clubs:

Diamonds:

Hearts:

Spades: 7

Your hand: QD 2C 2S TC AC 6H TD 3H 7C 4H 5H AS KS

Legal plays: 7C

Player3 plays 7C.

Cards on the table:

Clubs: 7

Diamonds:

Hearts:

Spades: 7

Your hand: QS 6D 8S JC 4D 5C AH 9C JS 4C QH 4S 2D

Legal plays: 8S

Player4 plays 8S.

Cards on the table:

Clubs: 7

Diamonds:
Hearts:
Spades: 7 8
Your hand: TS KH 5D 3C JD 6C 8D 6S JH 2H 7H KD KC
Legal plays: 6C 6S 7H
Player1 plays 6C.

Cards on the table:
Clubs: 6 7
Diamonds:
Hearts:
Spades: 7 8
Your hand: 3D QC 7D 9H 5S 9D 3S TH 8C 9S 8H AD
Legal plays: 7D 8C 9S
Player2 plays 7D.

Cards on the table:
Clubs: 6 7
Diamonds: 7
Hearts:
Spades: 7 8
Your hand: QD 2C 2S TC AC 6H TD 3H 4H 5H AS KS
Legal plays:
Player3 discards QD.

Cards on the table:
Clubs: 6 7
Diamonds: 7
Hearts:
Spades: 7 8
Your hand: QS 6D JC 4D 5C AH 9C JS 4C QH 4S 2D
Legal plays: 6D 5C
Player4 plays 6D.

{....}

Cards on the table:
Clubs: 3 4 5 6 7 8 9
Diamonds: A 2 3 4 5 6 7 8 9 T J
Hearts: A 2 3 4 5 6 7 8 9 T J Q
Spades: 3 4 5 6 7 8 9 T J Q K
Your hand: QC
Legal plays:
Player2 discards QC.

Cards on the table:

Clubs: 3 4 5 6 7 8 9

Diamonds: A 2 3 4 5 6 7 8 9 T J

Hearts: A 2 3 4 5 6 7 8 9 T J Q

Spades: 3 4 5 6 7 8 9 T J Q K

Your hand: AS

Legal plays:

Player3 discards AS.

Cards on the table:

Clubs: 3 4 5 6 7 8 9

Diamonds: A 2 3 4 5 6 7 8 9 T J

Hearts: A 2 3 4 5 6 7 8 9 T J Q

Spades: 3 4 5 6 7 8 9 T J Q K

Your hand: JC

Legal plays:

Player4 discards JC.

Cards on the table:

Clubs: 3 4 5 6 7 8 9

Diamonds: A 2 3 4 5 6 7 8 9 T J

Hearts: A 2 3 4 5 6 7 8 9 T J Q

Spades: 3 4 5 6 7 8 9 T J Q K

Your hand: KC

Legal plays:

Player1 discards KC.

Player1's discards: KH KD KC

Player1's score: $54 + 39 = 93$

Player2's discards: QC

Player2's score: $0 + 12 = 12$

Player3's discards: QD 2C 2S TC AC AS

Player3's score: $16 + 28 = 44$

Player4's discards: JC

Player4's score: $14 + 11 = 25$

Player2 wins!

Program call #2:

./straights

Standard Output: (> = input)

*****Note added lines for clarity**

Is Player1 a human (h) or a computer (c)?

>h

Is Player2 a human (h) or a computer (c)?

>h

Is Player3 a human (h) or a computer (c)?

>h

Is Player4 a human (h) or a computer (c)?

>h

A new round begins. It's Player1's turn to play.

Cards on the table:

Clubs:

Diamonds:

Hearts:

Spades:

Your hand: JD 6C 5C 7S JS QH KC TH KH 6S QD 8D 2C

Legal plays: 7S

>play 7S

Player1 plays 7S.

Cards on the table:

Clubs:

Diamonds:

Hearts:

Spades: 7

Your hand: AD 6D 8S AS KS TD 5S 2H 3H QC JH 6H 3S

Legal plays: 8S

>play 8S

Player2 plays 8S.

Cards on the table:

Clubs:

Diamonds:

Hearts:

Spades: 7 8

Your hand: KD 4C 9H 5H 2S 9C 7H TC 4D AC 3D 3C 8H

Legal plays: 7H

>play 7H

Player3 plays 7H.

Cards on the table:

Clubs:

Diamonds:

Hearts: 7

Spades: 7 8

Your hand: 8C TS 9D JC 7D 7C 5D 2D AH 4S 4H 9S QS

Legal plays: 7D 7C 9S

>quit