

(1) Name and school ID.

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(2) How a human player should play with the program?

一開始，程式會建立player與computer兩個物件，其中player會紀錄最一開始使用者輸入的名稱、遊戲的輪數、剩餘P幣、手牌與手牌數量。而computer則是負責製造出包含52張隨機排序的牌組，每次當使用者輸入介於1至5的P幣作為賭注時，發牌並扣除player p幣，發牌之後使用者可以選擇留下5張牌中任意數目，再抽牌取代(discardSet(player, card))。除此之外computer亦負責檢查牌型與支付P幣給player(checkAndPay()).

(3) How you tested the correctness of your program?

首先我確認player拿到的5張牌以及之後換入的牌真的是隨機而不會重複的，之後在判斷排型的部分，先從最基本的功能開始做，且邊做邊debug，因為有些功能是彼此相關的，例如判斷同花順分別需要判斷同花與順子，而判斷葫蘆又與三條跟對子的存在有關。總之就是先確保基本功能是正確的。

(4) The output from three rounds of the game from program.

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LiudeMacBook-Pro:hw2 kh9543$ make run
java P00Casino
P00Casino Jacks or better, written by b02705010 Kuan-Hung Liu
Please enter your name: Liu
Welcome, Liu.
You have 1000 P-dollars now.
Please enter your bet for round 1 (1-5 or 0 for quitting the game): 5
Your cards are (a) D2 (b) S3 (c) C4 (d) H5 (e) C9
Which cards do you want to keep? (Enter n to discard all): abcd
Your new cards are D2 S3 C4 H5 D10.
You get a others. The payoff is 0.
You have 995 P-dollars now.
Please enter your bet for round 2 (1-5 or 0 for quitting the game): 5
Your cards are (a) H4 (b) S4 (c) C6 (d) HJ (e) SJ
Which cards do you want to keep? (Enter n to discard all): abde
Your new cards are H4 S4 H5 HJ SJ.
You get a two pair. The payoff is 10.
You have 1000 P-dollars now.
Please enter your bet for round 3 (1-5 or 0 for quitting the game): 5
Your cards are (a) C4 (b) S4 (c) H5 (d) H6 (e) S9
Which cards do you want to keep? (Enter n to discard all): ab
Your new cards are C4 S4 D5 DK SA.
You get a others. The payoff is 0.
You have 995 P-dollars now.
Please enter your bet for round 4 (1-5 or 0 for quitting the game): 0
Good bye, Liu. You played for 3 round(s) and have 995 P-dollars now.
LiudeMacBook-Pro:hw2 kh9543$ █
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