README.md 1/3/2022

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5.1 Big Two

It is a library named poker, there is a function big_two_sort you can use. int32_t big_two_sort(int8_t cards[]); This function only allow an int8_t array with 13 size.It will sort you array and return it. If the input is invalid, please return -1; otherwise, return 0.

5.2 Statistics

It is a library named poker, there are some functions you can use. double get_mean(const int32_t input[], size_t size); double get_median(const int32_t input[], size_t size); int32_t get_mode(const int32_t input[], size_t size); double get_stddev(const int32_t input[], size_t size); get_mean will return mean in the array. get_median will return median in the array. get_mode will return median in the array. get_stddev wiil return median in the array.

5.3 Polynomial Calculator

This ia a Polynomial Calculator, please input two polynomial and it degree. Any input invaild will make the program print "Wrong Input!" as warning and terminate the program.

5.4 Banqi

This a Banqi game. Please obey following rules.

- 1. 1(A) > 2(B) > 3(C) > 4(D) > 5(E) > 6(F) > 7(G); 7(G) > 1(A)
- 2. If Player choose a chess which can move, this round will be pass.
- 3. 6(F) has special move and eat rule, please follow the rules on wiki.
- 4. If there isn't any eat and filp chess in 50 septs, this game will be TIE.
- 5. Frist Player eat all another Player chess, Player WIN.