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This program help solve the Microsoft Win7 & Vista "spider solitaire" game. If you have windows 10 you will have to Google for and download the install. Note that the original game does not have the debug feature to save from the menu bar.   You will have to download and install that feature if desired.   Spider solitaire allows the game to be saved when you exit. Rarely, but it does happen, one cannot win the game if the wrong first move has been made and the program saved. With this program one can consistently win over 85% of all games easily.

The program looks for the games saved data file at *c:\users\username\Saved Game\Microsoft Games\Spider Solitaire*
If not there it may try the D drive. If you are using OneDrive it may have problems finding stuff there.   You can always put the executable in the folder that has the Spider saved file. Here is a typical listing of what is in the spider save folder after running this program:

```
a1FirstEmptyColumn.SpiderSolitaireSave-ms     Deal1_2.SpiderSolitaireSave-ms
a1FirstEmptyColumn_mov.txt                    Deal1_3.SpiderSolitaireSave-ms
adeck.txt                                     Deal1_4.SpiderSolitaireSave-ms
aRemoveFiles.bat                              Deal1_5.SpiderSolitaireSave-ms
Deal0_0_Seed.SpiderSolitaireSave-ms           Deal1_6.SpiderSolitaireSave-ms
Deal0_0_Seed_mov.txt                          Deal1_7.SpiderSolitaireSave-ms
Deal1_0.SpiderSolitaireSave-ms                Deal1_8.SpiderSolitaireSave-ms
Deal1_1.SpiderSolitaireSave-ms                Deal1_9.SpiderSolitaireSave-ms
                                              Deal1_10.SpiderSolitaireSave-ms
Spider Solitaire.SpiderSolitaireSave-ms       Deal1_11.SpiderSolitaireSave-ms
```

DEALx_yy These are spider games that start with the best board position. The "y" ones numbered 0,1,2,3 are variations that are not as good as the SEED but might be useful. The one without the prefix "DEAL" is the original game you saved. The "x" is the deal number where 0 is the original board before any deals.

XXX_mov.txt   Is the list of moves that corresponding to the board deal# "x" and include the "y" moves also.

adeck is the exposed deck of cards. The cards face up are in capital letters. Lower case letter are normally not visible.
                  ah is ace of hearts and is face down. 1D is the 10 of diamonds and is face up.
The below image is a fresh game. Right most column is the remaining stack of cards.
The card 9S will go into column 10 when the last deal is made. When running, the program displays the working deck periodically.
If an empty column is found then that image is immediately displayed and will be one of the "DEAL" hands.

39676 discarded duplicate moves

There were 56 different arrangements that had one empty column. 2 and 3 column possibilities were not found

Calculated value for each move

These 8 moves

7S 4-7 means the 7 of Spades was moved from column 4 to column 7 and that move had a value of 10 points.I

Rows and column start with

1 but 0 is short for 10

Produced an empty column here

as - Ace of Spades is face down

AD - Ace of Diamonds is face up

```
Q(15) 652 dups:39676 limit:20k i:8855 et:4s dif:11145 1c:56 2c:0 3+
% Symtables - index: 2.5 and table: .56 MCptr:20001
  0 7S 4-7      10
  1 6S 0-7      23
  2 QD 0-1      32
  3 JS 5-0      90
  4 7D 5-4      92
  5 6C 5-8      94
  6 JD 5-1     106
  7 0D 5-1     135
```

kh	4h	8d	jh	5h	8c	4s	10s	6d	10
6h	9d	7d	ac	qs	4d	3s	3d	2h	9
10d	kh	3s	5d	10h	5s	ad	ah	QC	8
6s	2s	qc	qh	9c	2c	3h	kc	JS	7
5d	ks	as	8H	9H	8S	7C	6D		6
KD	JH	AD	7D		7S	6C			5
QD					6S				4
JD									3
10D									2

```
ID: 21170  From: 0 NumMoves:8 Score:662 RemStacks:5
  118    1    1    3   500    1   21   12    1    4   662
```

Value of each column. 500 points for each empty column the overvalue for this desk is 662 points

Score: 1315   Moves: 23