

Golf 18 Holes

					Init
Player 1	Player 2	Tee	Score	Clubs	

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G O L F 1 8 H O L E S

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The course can be one or two players.

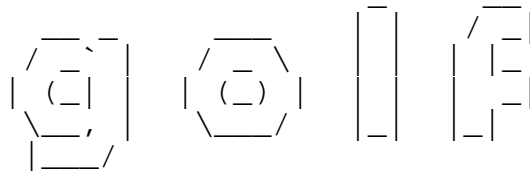
Step	Procedure	Keys
1	Initialization	E'
2	List of clubs	E

Player 1		
3	Print hole informations	C
4	Play club #	A
	Repeat 4 until hole completed.	

Player 2		
5	Print hole informations	C
6	Play club #	B
	Repeat 6 until hole completed.	

7	Print Score	D

To play alone, use the player 2		



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// ##### PLAYER 1 #####
LBL A + 01 00 = X/T 01 STO 39 X/T CP INV
LBL RAD STF 00 STO 10
LBL - 01 SUM 06 RC* 10 * ( OP 51 + . 02 ) + . 05 = INT STO 10 INV SUM 08 RCL
08
LBL + INV GE COS
01 00 - RCL 08 = GE SIN
LBL GRD B' OP 00 03 03 02 07 01 03 04 05 OP 03 ( 01 07 03 05 00 00 00 01 +
RCL 39 ) * 01 00 00 = OP 04 OP 05
OP 00 03 06 03 07 OP 02 02 04 02 07 02 07 00 00 07 02 OP 03 OP 05
SBR LOG RCL 08 OP 06 RCL 06 R/S
LBL SIN 09 STO 11 05 - RCL 08 = INV GE GRD
GTO TAN
LBL COS +/- STO 08 GTO +

// ##### PLAYER 2 #####
LBL B + 01 00 = X/T 02 STO 39 X/T CP GTO RAD

// ##### TEE #####
LBL C A' 03 09 - RCL 00 = EQ D
RC* 00 INT STO 08 INV FIX OP 00 02 03 03 02 02 07 01 07 00 00 OP 04 RCL 01 -
02 00 = OP 06 SBR LOG RC* 01 INT OP 06 SBR X2 RC* 01 INV INT * 01 00 = OP 06
ADV STF 01 00 STO 06 R/S

// ##### RESULT OF HOLE #####
LBL TAN IFF 00 YX
A' SBR SQR RCL 06 SUM 04 OP 06 A' RCL 04 R/S
LBL YX 01 00 STO 11 01 SUM 00 SUM 01 INV STF 01 A' SBR SQR RCL 06 SUM 05 OP
06 A' RCL 05 R/S

// ##### INITIALIZATION #####
LBL E' OP 59 CMS CP OP 51 * 01 00 00 00 00 = INT STO 09

// ##### INIT. VALUES OF CLUBS #####
01 05 STO 11 04 00 STO 12 09 05 STO 13 01 03 05 STO 14 01 06 05 STO 15 01 09
05 STO 16 02 01 05 STO 17 02 04 00 STO 18 02 06 00 STO 19

// ##### INIT. VALUES OF HOLES #####
04 00 00 . 04 STO 21 05 00 00 . 05 STO 22 04 05 00 . 04 STO 23 STO 28 04 06
05 . 04 STO 24 STO 26 STO 29 STO 38 02 03 00 . 03 STO 25 STO 35 02 02 05 . 03
STO 27 04 00 05 . 04 STO 30 03 06 05 . 04 STO 31 01 08 00 . 03 STO 32 04 06
00 . 04 STO 33 04 01 00 . 04
STO 34 06 02 05 . 05 STO 36 03 09 00 . 04 STO 37 02 01 STO 00 STO 01 CLR A'
D' OP 05 A' D' OP 55 RTN

// ##### SCORE #####
LBL D B' SBR X2 07 00 OP 06 CP RCL 04 EQ WRT
OP 00
02 00 02 00 OP 02 03 03 02 07 01 03 04 05 01 07 OP 03 03 05 00 00 00 02 02 00
02 00 OP 04 OP 05
SBR SQR RCL 04 OP 06
LBL WRT OP 00
02 00 02 00 OP 02 03 03 02 07 01 03 04 05 01 07 OP 03 03 05 00 00 00 03 02 00
02 00 OP 04 OP 05
SBR SQR RCL 05 OP 06 B' CLR R/S

// ##### LIST OF CLUBS #####
LBL E B' 01 05 02 07 04 01 01 04 03 06 OP 00 OP 03 OP 05 01 01 STO 00
LBL DEG SBR LOG FIX 03 ( RC* 00 / 01 00 00 00 ) + RCL 00 - 01 00 = OP 06 INV

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FIX 01 SUM 00 RCL 00 - 02 00 = INV EQ DEG
B' CLR R/S

// ##### STROKES #####
LBL SQR 03 06 03 07 03 05 02 06 03 06 OP 04 RTN

// ##### YDS #####
LBL LOG 04 05 01 06 03 06 00 00 OP 04 RTN

// ##### PAR #####
LBL X2 03 03 01 03 03 05 00 00 OP 04 RTN

// ##### EQUAL LINE #####
LBL A' 06 04 06 04 OP 02 06 04 06 04 06 04 06 04 06 04 OP 03 06 04 06 04 06
04 06 04 06 04 OP 04 OP 05 OP 00 RTN

// ##### DASHED LINE #####
LBL B' 02 00 02 00 OP 02 02 00 02 00 02 00 02 00 02 00 OP 03 02 00 02 00 02
00 02 00 02 00 OP 04 OP 05 OP 00 RTN

// ##### GOLF TITLE #####
LBL D' 02 02 00 00 03 02 00 00 OP 03 02 07 00 00 02 01 00 00 00 00 OP 04 RTN

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L A B E L S		
001	11	A
014	70	RAD
020	75	-
047	85	+
060	80	GRD
128	38	SIN
143	39	COS
150	12	B
164	13	C
230	30	TAN
248	45	YX
275	10	E'
452	14	D
506	96	WRT
551	15	E
574	60	DEG
615	34	SQR
630	28	LOG
643	33	X2
656	16	A'
693	17	B'
730	19	D'

Adr	Branch.		
+	147	61	GTO
A'	165	16	A'
A'	234	16	A'
A'	243	16	A'
A'	261	16	A'
A'	270	16	A'
A'	442	16	A'
A'	446	16	A'
B'	061	17	B'
B'	453	17	B'
B'	547	17	B'
B'	552	17	B'
B'	611	17	B'
COS	049	77	GE
D	172	67	EQ
D'	443	19	D'
D'	447	19	D'
DEG	609	67	EQ
GRD	138	77	GE
LOG	118	71	SBR
LOG	203	71	SBR
LOG	575	71	SBR
RAD	161	61	GTO
SIN	057	77	GE
SQR	235	71	SBR
SQR	262	71	SBR
SQR	499	71	SBR
SQR	541	71	SBR
TAN	140	61	GTO
WRT	463	67	EQ
X2	210	71	SBR
X2	454	71	SBR
YX	231	87	IFF

Reg.	Instr.		
00	169	43	RCL
	174	73	RC*
	254	44	SUM
	437	42	STO
	571	42	STO
	580	73	RC*
	589	43	RCL
01	600	44	SUM
	602	43	RCL
	195	43	RCL
	205	73	RC*
	212	73	RC*
04	256	44	SUM
	439	42	STO
	239	44	SUM
	244	43	RCL
05	461	43	RCL
	501	43	RCL
	266	44	SUM
	271	43	RCL
06	543	43	RCL
	022	44	SUM
	124	43	RCL
	226	42	STO
	237	43	RCL
08	264	43	RCL
	042	44	SUM
	044	43	RCL
	054	43	RCL
	120	43	RCL
	134	43	RCL
	145	42	STO
09	177	42	STO
	290	42	STO
	017	42	STO
10	024	73	RC*
	039	42	STO
	130	42	STO
11	251	42	STO
	294	42	STO
	298	42	STO
12	302	42	STO
	302	42	STO
13			

14	307	42	STO
15	312	42	STO
16	317	42	STO
17	322	42	STO
18	327	42	STO
19	332	42	STO
21	339	42	STO
22	346	42	STO
23	353	42	STO
24	362	42	STO
25	375	42	STO
26	364	42	STO
27	384	42	STO
28	355	42	STO
29	366	42	STO
30	391	42	STO
31	398	42	STO
32	405	42	STO
33	412	42	STO
34	419	42	STO
35	377	42	STO
36	426	42	STO
37	433	42	STO
38	368	42	STO
39	008	42	STO
	084	43	RCL
	157	42	STO