Program Description 1

Program Title: Championship Golf

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Program Description, Equations, Variables

Golf works very simply, you choose a club from the table of their minimum and maximum values. When you reach the green, which extends 20 yards on each side from the hole, distance is changed from yards to feet. Also a negative sign is placed in front of the distance. Now you putt by choosing the number of feet you wish to hit it. If the green is slow the ball will fall short. If the green is fast the ball will overshoot the hole. So sometimes it is good to hit a little harder or a little softer than the distance suggests. When the ball is sunk a flashing zero is displayed, then your score on the hole, then your total. At this time player 2 gets the same distance. After he sinks it, his score on the hole is displayed, then his total score. Lastly the number of holes played. Now it picks a new distance. At end of 18 it shows the scores in an infinate loop

Operating Limits and Warnings

If for example you are 100 yards away and you hit it 300 yards the machine will say you are 200 yards away. So remember, it is just as good to undershoot as overshoot.

This program has been verified only with respect to the numerical example given in *Program Description II*. User accepts and uses this program material AT HIS OWN RISK, in reliance solely upon his own inspection of the program material and without reliance upon any representation or description concerning the program material.

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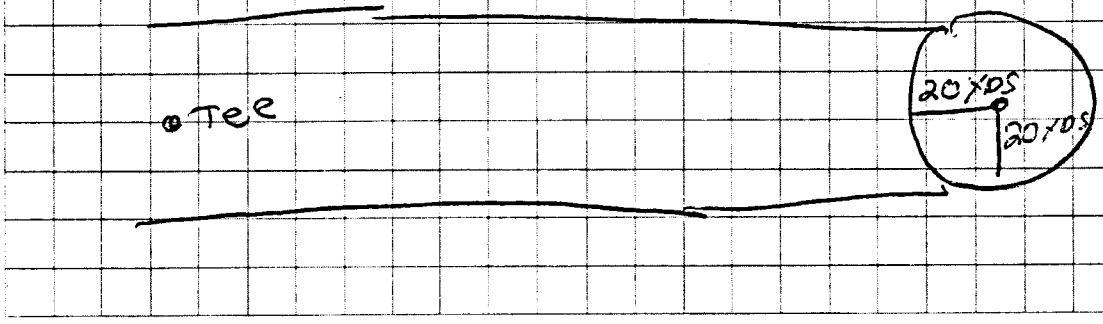
Program Description II

Sketch(es)



Sample Problem(s) STORE SEED . 258963147 [STO A]
INITIALIZE A 455.X 4. 455 MEANS 455 TO THE HOLE 4 IS THE PAR X SIGNIFYS 2 1 SECOND PAUSES. CLUB? 1 [B] 241. STILL A GOOD DISTANCE 3 [B] -32. ON THE GREEN 32 FEET AWAY. I WILL HIT IT 30 FEET (HOPING THE GREEN IS FAST) 30 [C] 0* SUNK IT! 3* 3. 455. TOOK 3 SHOTS AND MY TOTAL IS 3 AFTER 1. PLAYER 2 NOW SHOTS SAME DISTANCE 1 [D] 250. 2 [D] 22. JUST OFF THE GREEN 10 [D] -20. 20 FEET FROM THE CUP. 21 [E] -3. MISSED IT! 3 [E]. 0* 5.X 5. X 1.X 190. X 3. 0 MEANS SUNK. TOOK 5 SHOTS. TOTAL IS 5. 1 HOLE HAS BEEN PLAYED. NEXT HOLE IS 190 YARDS PAR 3

~~Solution(s)~~ 5 [B] 39. 9 [B] -11. I WILL PUTT IT 11 FEET 11 [C] -2. (TRICKY GREENS) 2 [C] 0* 4.X 7.X 190. SUNK IT IN 4. TOTAL IS 7. PLAYER 2 IS UP 4 [D] -7. SUPER SHOT! CAN YOU SINK THE BIRDIE? 7 [E] 0* SUNK! 2.X 7.X 2X 178.X 3. A BIRDIE! TIE SCORE AFTER 2 YOU MAY CONTINUE THIS GAME YOURSELF. 178 YARD HOLE PAR 3.

~~Reference(s)~~ * = 5 SECOND PAUSE ** = 1 SECOND PAUSE
X = 2 1 SECOND PAUSES

User Instructions

00537D

CHAMPIONSHIP GOLF

1 2

START | PLYR 1'S SHOT | PLYR 1'S PUTT | PLYR 2'S SHOT | PLYR 2'S PUTT

STEP	INSTRUCTIONS	INPUT DATA/UNITS	KEYS	OUTPUT DATA/UNITS
1.	LOAD SIDE 1 AND 2			
2	SELECT RANDOM SEED X 0<X<1	X	STO A	X
3	PRESS A TO START		A	
4	NOW IT WILL SHOW THE DISTANCE			(DIST)
	TO THE HOLE AND THEN THE PAR.			
	IT WILL STOP SHOWING THE PAR			(PAR)
5	SELECT YOUR CLUB AND			
	PLAYER 1 USES B FOR SHOOTING			
	PLAYER 2 USES D FOR SHOOTING			
	PLAYER 1 USES C FOR PUTTING			
	PLAYER 2 USES E FOR PUTTING			
	AFTER PLAYER 1 FINISHES			
	HOLE THEN IT WILL SHOW			
	THE SAME DISTANCE FOR PLAYER			
	2. AFTER he PLAYES IT WILL			
	START FROM STEP 4.			
	CLUB TABLE: EXAMPLES			
	0. 220-440 | 0 CLUB CAN HIT IT			
	1. 200-400 | ANYWHERE FROM			
	2. 180-360 | 220 YARDS TO			
	3. 160-320 | 440 YARDS.			
	4. 140-280 | THE 9 CLUB			
	5. 120-240 | CAN HIT IT IN			
	6. 100-200 | THE RANGE OF			
	7. 80-160 | 40 TO 80 YARDS			
	8. 60-120 | YOU ENTER			
	9. 40-80 | THE CLUB NUMBER			
	10. 20-40 | NOT THE DISTANCE			
	10.5 10-20 | FOR SHOTS, NOT PUTTS.			
	NOTE: Remember, DON'T PUTT			
	WHEN YOUR SHOOTING AND VICE-	# OF COMPLETED HOLES	RCL 9	
	VERSA.			
	ALSO DURING ANY PAUSE YOU	PLYR 1'S	RCL 8	
	MAY REVIEW:	SCORE		
		PLYR 2'S	RCL 0	
		SCORE		
		TOTAL OF ALL PARS	RCL 4	
		DISTANCE	RCL 6	

Program Listing 1

00537D

STEP	KEY ENTRY	KEY CODE	COMMENTS
001	F LBL A	312511	
	0	00	
	STO 7	3307	
	FGSB 1	312201	
	4	04	
	2	02	
	1	01	
	X	71	
	1	01	
010	5	05	
	0	00	
	+	61	
	F INT	3183	
	STO 1	3301	
	STO 6	3306	
	2	02	
	6	06	
	0	00	
	GX>Y	3281	
020	GTO 0	2200	
	RCL 6	3406	
	4	04	
	6	06	
	0	00	
	GX>Y	3281	
	GTO 2	2202	
	5	05	
	STO 2	3302	
	STO+4	336104	
030	GTO 3	2203	
	FLBL0	312500	
	3	03	
	STO 2	3302	
	STO+4	336104	
	GTO 3	2203	
	FLBL 2	312502	
	4	04	
	STO2	3302	
	STO+4	336104	
040	FLBL 3	312503	
	RCL 6	3406	
	DSP 0	2300	
	FGSB 8	312208	
	RCL 2	3402	
	HRTN	3522	
	FLBL B	312512	
	STO 5	3305	
	GGSBTb	322212	
	HABS	3564	
050	1	01	
	GX>Y	3281	
	GTO 5	2205	
	RCL 6	3406	
	2	02	
	0	00	
	GX>Y	3281	

STEP	KEY ENTRY	KEY CODE	COMMENTS
	FGSB 4	312204	
	1	01	
	STO+7	336107	
060	RCL 6	3406	
	HRTN	3522	
	FLBL 5	312505	
	1	01	
	STO+7	336107	
	0	00	
	F-x-	3184	
	RCL 7	3407	
	FGSB 8	312208	
	RCL 7	3407	
070	STO+8	336108	
	RCL 8	3408	
	FGSB 8	312208	
	GTO Fc	223113	
	GLBLFb	322512	
	RCL 5	3405	
	1	01	
	÷	51	
	1	01	
	0	00	
080	÷	81	
	1	01	
	−	51	
	HABS	3564	
	STO 5	3305	
	FGSB 1	312201	
	2	02	
	0	00	
	1	01	
	X	71	
090	2	02	
	0	00	
	0	00	
	+	61	
	HABS	3564	
	F INT	3183	
	RCL 5	3405	
	X	71	
	RCL 6	3406	
	−	51	
100	HABS	3564	
	STO 6	3306	
	HRTN	3522	
	FLBL C	312513	
	STO 5	3305	
	FGSB 9	312209	
	HABS	3564	
	1	01	
	.	83	
	3	03	
110	GX>Y	3281	
	GTO 5	2205	
	1	01	

REGISTERS

0 2'S SCORE	1 YDS ON HOLE	2 PAR OF HOLE	3	4 SUM OF PARS	5 TEMP STO	6 # OF YDS REMAINING	7 # OF STROKES	8 PLYR #5 TOTAL	9 # OF HOLES PLAYED
S0	S1	S2	S3	S4	S5	S6	S7	S8	S9

A RANDOM SEED	B	C	D	E	I

Program Listing 11

STEP	KEY ENTRY	KEY CODE	COMMENTS
	STO+7	336107	
	RCL 6	3406	
	H RTN	3522	
	FLBL 1	312501	
	H π	3573	
	RCL A	3411	
	+	61	
120	5	05	
	H Y^X	3563	
	G FRAC	3283	
	STO A	3311	
	H RTN	3522	
	FLBL 8	312508	
	H PAUSE	3572	
	H PAuse	3572	
	H RTN	3522	
	GLBL Fc	322513	
130	0	00	
	STO 7	3307	
	RCL 1	3401	
	STO G	3306	
	H RTN	3522	
	FLBL D	312514	
	STO 5	3305	
	GGSB Fb	322212	
	1	01	
	G X>Y	3281	
140	GTO fe	223115	
	RCL 6	3406	
	H ABS	3564	
	2	02	
	0	00	
	G X>Y	3281	
	FGSB 4	312204	
	1	01	
	STO+7	336107	
	RCL 6	3406	
150	H RTN	3522	
	GLBL Fe	322515	
	1	01	
	STO+7	336107	
	0	00	
	F-X-	3184	
	RCL 7	3407	
	FGSB 8	312208	
	RCL 7	3407	
	STO+0	336100	
160	RCL 0	3400	
	FGSB 8	312208	
	1	01	
	STO+9	336109	
	RCL 9	3409	
	FGSB 8	312208	
	1	01	
	8	08	
	G X=Y	3251	

STEP	KEY ENTRY	KEY CODE	COMMENTS
	GTO Fa	223111	
170	GTO A	2211	
	FLBL E	312515	
	STO 5	3305	
	FGSB 9	312209	
	H ABS	3564	
	1	01	
	.	83	
	3	03	
	G X>Y	3281	
	GTO Fe	223115	
180	1	01	
	STO+7	336107	
	RCL 6	3406	
	H RTN	3522	
	GLBL Fa	322511	
	RCL 8	3408	
	FGSB 8	312208	
	RCL 0	3400	
	FGSB 8	312208	
	GTO Fa	223111	
190	FLBL 9	312509	
	RCL 6	3406	
	F X>0	3181	
	R/S	84	
	RCL 5	3405	
	1	01	
	.	83	
	2	02	
	5	05	
	X	71	
200	FGSB 1	312201	
	RCL 5	3405	
	2	02	
	÷	81	
	X	71	
	−	51	
	STO+6	336106	
	RCL 6	3406	
	H ABS	3564	
	Chs	42	
210	STO 6	3306	
	H RTN	3522	
	FLBL 4	312504	
	RCL 6	3406	
	3	03	
	X	71	
	Chs	42	
	STO 6	3306	
	H RTN	3522	
220			

LABELS

A START	B 1's shot	C 1's PUTT	D 2's shot	E 2's PUTT
a USED	b USED	c USED	d'	e USED
0 USED	1 USED	2 USED	3 USED	4 USED
5 USED	6'	7'	8 USED	9 USED

FLAGS

0
1
2
3

SET STATUS

FLAGS			TRIG	DISP	
	ON	OFF			
0	☐	☑	DEG ☑	FIX ☑	
1	☐	☑	GRAD ☐	SCI ☐	
2	☐	☑	RAD ☐	ENG ☐	
3	☐	☑		n 0	