

Rugby

Rugby				
				INIT.
PLAY	ANGLE	STRENGTH	KICK	SCORE

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R U G B Y

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Procedure	Keys
Game initialization	E'
Play (displays the stadium and indicates which way the wind blows)	A
Input the firing angle (in degrees)	x B
0	
-45 45	
-90 90	
Input the strength of the shot	
(10 < n < 25)	n C
Kick the ball	D
If the shot is too high (out of the stadium) or too short you can replay	
Print score	E

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Rugby

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// ##### INITIALIZATION #####
LBL E'
CMS
DEG
LPG 01 A
R/S

// ##### PLAY #####
LBL A
1 X/T 5 RND STO 01
1 X/T 2 0 RND STO 02
1 X/T 9 RND STO 03
CUT
LPG 01 E
LPG 02 E
LPG 01 A
R/S

// ##### ANGLE #####
LBL B
STO 04
1 6 1 7 2 2 OP 04
RCL 04 OP 06
- 9 0 =
IXI STO 04 CLR
R/S

// ##### STRENGTH #####
LBL C
STO 05
3 6 3 7 3 5 OP 04
RCL 05 OP 06 CLR
R/S

// ##### KICK #####
LBL D
1 SUM 06
RCL 05 + RCL 13 =
X/T RCL 04 + RCL 12 = P/R
INT + 6 - RCL 01 =
STO 21 X/T INT + RCL 02 = STO 22
LPG 03 E
R/S

// ##### SCORE #####
LBL E
3 2 3 1 0 0 0 0 OP 04
RCL 10 OP 06
RCL 06 PRT
R/S

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L A B E L S
001 10 E'
009 11 A
041 12 B
066 13 C
084 14 D
124 15 E

Adr	Branch.
A	006 11 A
A	038 11 A
E	032 15 E
E	035 15 E
E	121 15 E

Reg.	Instr.
01	014 42 STO 106 43 RCL
02	021 42 STO 114 43 RCL
03	027 42 STO
04	042 42 STO 052 43 RCL 061 42 STO 095 43 RCL
05	067 42 STO 077 43 RCL 088 43 RCL
06	086 44 SUM 139 43 RCL
10	135 43 RCL
12	098 43 RCL
13	091 43 RCL
21	109 42 STO
22	117 42 STO



S U B - P R O G R A M S		
004	rugbyEN01.t58	rugbyEN01 sub-program for Rugby
030	rugbyEN01.t58	rugbyEN01 sub-program for Rugby
033	rugbyEN02.t58	rugbyEN02 sub-program for Rugby
036	rugbyEN01.t58	rugbyEN01 sub-program for Rugby
119	rugbyEN03.t58	rugbyEN03 sub-program for Rugby

