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100 REM ===== Matches =====
110 A:
120 GOSUB Dashes
130 PRINT "          Matches          "
140 GOSUB Dashes
150 LET player = 1
160 LET Matches = Maxi
170 LET Begin% = TRUE
180 IF Flag% THEN Start
190 LET Matches = 15
200 Start:
210 PRINT "Match"; Maxi
220 PRINT " Each player takes  "
230 PRINT "  1  2 or 3 matches  "
240 GOSUB Dashes
250 DO WHILE Matches <> 0
260   ON player GOTO J1,J2
270 J1:
280   PRINT "Player ?"
290   Taken = INKEY$
300   IF Begin% THEN FirstTry
310   IF Taken<1 THEN J1
320 FirstTry:
330   IF Taken>3 THEN J1
340   IF Taken>Matches THEN J1
350   LET Begin% = FALSE
360   PRINT "Player          "
370   PRINT "Taken",Taken
380   GOTO Play
390 J2:
400   PRINT "TI58C          "
410   LET X = Matches / 4
420   LET X = INT(X - 0.5)
430   LET X = ( X * 4 ) + 1
440   LET X = Matches - X
450   IF X <1 THEN OnlyOne
460   IF X <> 4 THEN TItakes
470 OnlyOne:
480   LET X = 1
490 TItakes:
500   LET Taken = X
510   PRINT "Taken",Taken
520 Play:
530   LET Matches = Matches - Taken
540   PRINT "Left " ; Matches
550   LET player = 3 - player
560   GOSUB Dashes
570 LOOP
580 ON player GOTO G1,G2
590 G1:
600   PRINT "Player          "
610   GOTO Won
620 G2:
630   PRINT "TI58C          "
640 Won:
650 PRINT "          won !"
660 GOSUB Dashes
670 PRINT
680 STOP
690 Dashes:
700 PRINT "-----"
710 RETURN
720 E:
730 PRINT "Number of "
740 SLEEP
750 INPUT " Matches ?";Maxi
760 LET Flag% = TRUE
770 GOTO A
780 END

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