<table>
<thead>
<tr>
<th>DECUS NO.</th>
<th>FOCAL8-168</th>
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<tbody>
<tr>
<td>TITLE</td>
<td>ONE ARMED BANDIT - PDP-8 STYLE</td>
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<tr>
<td>AUTHOR</td>
<td>Frank R. Borger</td>
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<td>COMPANY</td>
<td>Michael Reese Hospital</td>
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<td></td>
<td>Chicago, Illinois</td>
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<tr>
<td>DATE</td>
<td>June 3, 1971</td>
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<tr>
<td>SOURCE LANGUAGE</td>
<td>FOCAL</td>
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A FOCAL program which lets the operator "play" a slot machine.

OPERATION

When called, the program identifies itself and lists the winning combinations and what it pays. It then asks, "Bet one dollar?" For a "Yes" answer, it "spins the wheels" and tells the player the results, typically LEMON LEMON LEMON PAYS $20. It then shows player's current wins or losses, and asks again "BET ONE DOLLAR?" Termination is by a No response.

PROGRAM

A DO loop involving FRAN () is used to generate random integers from 0 through 7, corresponding to the eight characters on the wheel. After generation and display of three characters, successive IF statements look for winning combinations and output the results.

Running time is dependent upon the involvement of the player.

REQUIREMENTS

4K FOCAL
START

SET MONEY REGISTER=0

ASK BET?

NO

TYPE "OK POKER"

QUIT

YES

GENERATE & PRINT 3 SYMBOLS

CHECK FOR WIN

NO

SUBTRACT LOSS

PRINT REGISTER

PRINT PAY $

ADD WINNINGS

PRINT NO PAY
G 20.01
ONE ARMED BANDIT - PDP-8 STYLE
BAR BAR BAR PAYS $1000 JACKPOT!
BELL BELL BELL PAYS $500
GRAPEF GRAPEF GRAPEF PAYS $200
PLUM PLUM PLUM PAYS $100
APPLE APPLE APPLE PAYS $100
ORANGE ORANGE ORANGE PAYS $50
LEMON LEMON LEMON PAYS $20
BELL BELL PAYS $20
CHERRY CHERRY PAYS $10
APPLE APPLE PAYS $10
GRAPEF GRAPEF PAYS $10
PLUM PLUM PAYS $5
ORANGE ORANGE PAYS $2
CHERRY PAYS $1
BET ONE DOLLAR?:YES

YOU SPUN PLUM GRAPEF ORANGE NO PAY
YOU OWE ME= 1DOLLARS- BET ONE DOLLAR?:YES

YOU SPUN APPLE GRAPEF CHERRY NO PAY
YOU OWE ME= 2DOLLARS- BET ONE DOLLAR?:YES

YOU SPUN APPLE APPLE BAR PAY $10
I OWE YOU= 8DOLLARS BET ONE DOLLAR?:YES

YOU SPUN BELL PLUM BELL NO PAY
I OWE YOU= 7DOLLARS BET ONE DOLLAR?:YES

YOU SPUN CHERRY BELL BELL PAY $1
I OWE YOU= 8DOLLARS BET ONE DOLLAR?:YES

YOU SPUN BELL APPLE GRAPEF NO PAY
I OWE YOU= 7DOLLARS BET ONE DOLLAR?:YES

YOU SPUN LEMON LEMON CHERRY NO PAY
I OWE YOU= 6DOLLARS BET ONE DOLLAR?:YES

YOU SPUN CHERRY PLUM LEMON PAY $1
I OWE YOU= 7DOLLARS BET ONE DOLLAR?:YES

YOU SPUN LEMON GRAPEF LEMON NO PAY
I OWE YOU= 6DOLLARS BET ONE DOLLAR?:YES

YOU SPUN BELL BELL LEMON NO PAY
I OWE YOU= 26DOLLARS BET ONE DOLLAR?:YES

YOU SPUN ORANGE PLUM PLUM NO PAY
I OWE YOU= 25DOLLARS BET ONE DOLLAR?:NO

O-K PKER*