



# DECUS

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DECUS NO.	FOCAL8-95
TITLE	ONE-ARMED BANDIT
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COMPANY	Digital Equipment Corporation Maynard, Massachusetts
DATE	April 1, 1970
SOURCE LANGUAGE	FOCAL



# ONE-ARMED BANDIT

DECUS Program Library Write-up

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## ABSTRACT

One-Armed Bandit is a demonstration of a PDP-8 as a slot machine. In order to load, load binary loader, load "FOCAL 1969" on a low or high speed reader. Load One-Armed Bandit on either low or high speed reader. To play - type "GO."

?00.00

\*W

C-FOCAL, 1969

01.05	T	"JJW & LAO"!!!
01.10	T	"HELLO, I AM A SLOT MACHINE. TO PLAY GIVE THE OPERATOR"
01.20	T	"ONE SILVER DOLLAR AND DEPRESS THE RETURN KEY."!!!
01.30	S	V=15
01.40	T	" JACKPOTS ARE - LEMONS-\$20--PEARS-\$2--"
01.50	T	"BARS-\$10--CHERRIES-\$15--BELLS-\$5"!!!!
01.55	T	"YOUR BANK ACCOUNT IS LIMITED TO \$15"
01.60	T	"HAPPY POVERTY"!!!!
02.10	A	M;S R=0
02.20	S	R=R+1
02.30	I	(R-2)2.5, 2.6, 2.4
02.40	I	(R-3)2.3, 2.7, 2.1
02.50	D	5;G 4.2
02.60	D	8;G 4.3
02.70	D	9;G 4.4
03.10	I	(C-4)3.2, 3.6, 3.7
03.20	I	(C-2)3.3, 3.4, 3.5
03.30	T	"CHERRY--";G 3.8
03.40	T	"BELL--";G 3.8
03.50	T	"PEAR--";G 3.8
03.60	T	"BAR --";G 3.8
03.70	T	"LEMON--";G 3.8
03.80	I	(R-3)2.2, 4.5, 2.2

Ø4.2Ø S D=C;G 3.1  
 Ø4.3Ø S E=C;G 3.1  
 Ø4.4Ø S Z=C;G 3.1  
 Ø4.5Ø I (D-E)6.1,4.6,6.1  
 Ø4.6Ø I (D-Z)6.1,6.3,6.1  
  
 Ø5.1Ø S C=FITR(7\*(FRAN( )+FRAN( )-1)+1);I (C-5)5.2,5.2,5.1  
 Ø5.2Ø I (C-1)5.1;RETURN  
  
 Ø6.1Ø S V=V-1  
 Ø6.2Ø T %7,! "SORRY YOU LOSE,, YOU STAND AT \$ "V,!";G 7.2  
 Ø6.3Ø I (D-4)6.4,6.8,6.9  
 Ø6.4Ø I (D-2)6.5,6.6,6.7  
 Ø6.5Ø S A=15;S V=V+A;G 7.1  
 Ø6.6Ø S A=5;S V=V+A;G 7.1  
 Ø6.7Ø S A=2;S V=V+A;G 7.1  
 Ø6.8Ø S A=1Ø;S V=V+A;G 7.1  
 Ø6.9Ø S A=2Ø;S V=V+A;G 7.1  
  
 Ø7.1Ø T %7,! "JACKPOT! YOUR TOTAL WINNINGS ARE \$ "V,!";G 2.1  
 Ø7.2Ø I (V)7.3,7.3,2.1  
 Ø7.3Ø T "YOU HAVE EXHAUSTED ALL YOUR FUNDS. MAYBE YOU COULD GET"  
 Ø7.4Ø T "A LOAN FROM THE BANK. GOOD LUCK! "  
 Ø7.5Ø T !! "TRY AGAIN? "  
 Ø7.6Ø A "(ANS. YES OR NO)"P;I (P-ØNO)7.7,7.8  
 Ø7.7Ø I (P-ØYES)7.6,1.1,7.6  
 Ø7.8Ø QUIT  
  
 Ø8.1Ø S C=FITR(7\*(FRAN( )+FRAN( )-1)+1);I (C-5)8.2,8.2,8.1  
 Ø8.2Ø I (C-1)8.1;RETURN  
  
 Ø9.1Ø S C=FITR(7\*(FRAN( )+FRAN( )-1)+1);I (C-5)9.2,9.2,9.1  
 Ø9.2Ø I (C-1)9.1;RETURN  
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