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DECUS NO.	11-5
TITLE	BLACKJACK FOR FOCAL-11
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SOURCE LANGUAGE	FOCAL

BLACKJACK FOR FOCAL-11

DECUS Program Library Write-up

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ABSTRACT

This program deals random Blackjacks hands to itself (the dealer) and the user (the player). Hit "Y" if you want a hit, "N" if not. Utility functions are provided to deal and print card values.

C:FOCAL-11,TEST

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50.05 T  ! "WELCOME TO BLACKJACK! "
50.10 E
50.20 S  H=5
50.30 T  !! " PLAYER DEALER"
50.40 S  Z=FNEW(FNEW(6,52),53)
50.50 S  Z=FNEW(1,52);T "          XXX";D 50.4
50.55 S  Z=?          ?FNEW(FNEW(1,52),53)
50.60 S  A=FNEW(6,51)
50.70 I  (FNEW(1,51))50.76,50.75,50.80
50.75 T  "DEALER WINS!  XXX WAS ";S Z=FNEW(C(1),53);G 50.1
50.76 I  (A)50.75,50.85,50.85
50.80 I  (A)50.75,50.85,50.90
50.85 T  "PLAYER WINS! "; G 50.1
50.90 A  "HIT? ";S A=FCHR(-1)-192-0Y;T !;I (A)50.92;D 50.4
50.92 I  (FNEW(1,51)-18)50.55;I (A)50.94;G 50.6
50.94 I  (FNEW(1,51)-FNEW(6,51))50.85;G 50.75

51.05 C-Score  COUNT  INDEX
51.10 S  &1=0; S &2=0; S Z=&-1
51.20 S  Z=Z+1;I (Z-&-5)51.3;I (&1-22)51.5;S &=-1;R
51.30 I  (C(Z))8,51.2;S &2=&2+1
51.35 I  (C(Z)-37)51.37;S &1=&1+10;G 51.2
51.37 S  &1=&1+ 1+ FITR<(C(Z)-1)/4>;G 51.2
51.50 I  (&2-5)51.6;G 51.7
51.60 S  Z=Z-1;I (Z-&)51.8;
51.61 I  (FITR<(C(Z)-1)/4>)51.6,51.62,51.6
51.62 I  (&1-11)51.6,51.7,51.6
51.70 S  &=0;R
51.80 S  &=&1;R

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52.05 C-DEAL
 52.10 S Z=FITR(53*(FRAN());IF (Z)8,52.1;
 52.20 S &1=1
 52.30 I (Z-C(&1))52.4,52.1;
 52.40 S &1=&1+1;I (&1-H)52.3;
 52.50 S &1=&
 52.60 I (C(&1))8,52.7;S &1=&1+1;G 52.6
 52.70 S C(&1)=Z;S &=Z

 53.01 S Z=53.11+FITR((&-1)/4)/100;D Z;T " OF
 53.02 S Z=53.24+ C &-FITR(<&-1>/4)*4-1 1/100;D Z;T !;R
 53.11 T "ACE
 53.12 T "DEUCE
 53.13 T "THREE
 53.14 T "FOUR
 53.15 T "FIVE
 53.16 T "SIX
 53.17 T "SEVEN
 53.18 T "EIGHT
 53.19 T "NINE
 53.20 T "TEN
 53.21 T "JACK
 53.22 T "QUEEN
 53.23 T "KING
 53.24 T "CLUBS
 53.25 T "DIAMONDS
 53.26 T "HEARTS
 53.27 T "SPADES