

DECUS NO.

8-94B

TITLE

BLACKJACK "OVERLAYS"

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SOURCELANGUAGE

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BLACKJACK "OVERLAYS"

DECUS Program Library Write-up

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This patch contains two overlays for the Blackjack Program (DECUS No. 8-94A). The first eliminates the need for the EAE hardware, the second allows one to "double down" on any two cards with the instruction "D" (0 response to "HIT?" is made invalid).

With these overlays the Blackjack Program will run on any 4K PDP-5, PDP-8, 8/S, or 8/I.

```
MULTIPLY AND DIVIDE CHANGES
   4=0024
   *0421
   DV.
            DIVD
   M Us
            MULT
   * 4323
   5 I . 25
            1)
            00A TEM1
            oca a
            TAD I DIVO
            CMA INC
            DCA TE42
            IAO TEM1
            TAD IEMS
           5P4
           AMOU AME
           152 3
                    JMP .- 4
  DOWN,
           GVIG 1 OFF
           ISZ DIVD.
           JP I DIVE
  * 4340
  1 4341,
  [HI2]
  1 EM3,
           • )
 * 4000
 41 UL: 10
           DCA TEM1
           DCA PEM2
           THU I MULT
           CMA TAC CLL
          DC4 15/13
 وجن
          TAD TEMI
          SZL
          ISZ 1842
          CLL
          15Z TEM3
          JMP UP
          DCA 4
          TAD TEMS
          ISZ JULT
          JEP I HULL
* 3464
          J35 [ 40
~ 3466
          IAU a '
* 3513
         JMS I DV
* 3517
         140 0
*3562
         JUS I MU
# 3564
         TAD &
*3571
         JMS I DV
* 3653
         JMS I DV
* 1139
         JM5 I MU
*1132
         TAD W
```

2

```
MODELE DOWN CHAVERS
  10=1157
  3308=1311
  * 47.53
  0000LE, 0
          TAU FLAG
          SZA CLA
          J42 I K3
          140 1 C1
          TAD I CI
          UCA 1 C1
          140 81
          DCA L CZ
          JMP I DOUGLE
 H FREE
          CLA CLL
          TAD K2
          00A I C2
          JMP I 03
 61,
          0154
 €2,
          2693
 03,
          2524
 K1,
          JHP I 024
 × 2,
          4521
 33;
          2025
UU=00333
<2615
          TAU CO
* 2617
         JMS I-023
*1310
CHECK,
         JMP AHEAD
*1371
A HEAD,
         CLA
         DO & FLAG
         JMP SACK
* 19123
323,
         445)
024,
         HERE
F1.4G.
         4
Ur=2621
* 2629
         JMP DOWN
* 2756
DOWN,
         TAD HO
         DCA FLAG
         TAD Hø
        JMP UP
```