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PROGRAM LIBRARY

DECUS NO.	8-94A
TITLE	BLACK JACK
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COMPANY	Ford Motor Company Dearborn, Michigan
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SOURCE LANGUAGE	

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BLACK JACK

DECUS Program Library Write-up

DECUS No. 8-94A

INSTRUCTIONS FOR USE

LOAD PROGRAM INTO CORE WITH THE BIN LOADER. SET STARTING ADDRESS OF 200 INTO SWITCH REGISTER, PRESS LOAD ADDRESS, AND THEN PRESS START. PROGRAM WILL ASK HOW MANY TIMES IT SHOULD SHUFFLE THE DECK BEFORE THE GAME STARTS. TYPE IN ANY UNSIGNED INTEGER NUMBER AND THEN RETURN. NEXT, THE PROGRAM WILL ASK FOR A WAGER. TYPE IN ANY UNSIGNED INTEGER NUMBER FOLLOWED BY A RETURN. PLAYER AND DEALER WILL EACH BE DEALT TWO CARDS, BUT ONLY ONE OF THE DEALER'S CARDS WILL BE SHOWN AT THIS TIME.

AT THIS POINT THE PROGRAM WILL CHECK TO SEE IF ANYONE HAS A TOTAL OF 21 (BLACKJACK). IF THE DEALER HAS BLACKJACK, HE WINS (NO MATTER WHAT THE PLAYER HAS). IF THE PLAYER HAS BLACKJACK AND THE DEALER DOESN'T, THEN THE PLAYER WINS. IF NEITHER HAS BLACKJACK, THE DEALER WILL ASK THE PLAYER IF HE WANTS ANOTHER CARD BY TYPING:

HIT?

IF THE PLAYER DOESN'T WANT ANOTHER CARD, HE SHOULD TYPE "N", "O", OR "0". ANY OTHER RESPONSE IS ASSUMED TO MEAN "YES". ONLY ONE CHARACTER IS EXPECTED AS A RESPONSE, AND THE COMPUTER WILL ISSUE A CARRIAGE RETURN AS SOON AS ONE CHARACTER HAS BEEN TYPED. IF THE ANSWER IS "YES", A CARD IS DEALT AND THE PLAYER IS AGAIN ASKED IF HE WANTS ANOTHER CARD. THIS CONTINUES UNTIL THE PLAYER'S TOTAL IS OVER 21 OR THE PLAYER RESPONDS "N".

AT THIS POINT THE DEALER'S COVERED CARD WILL BE REVEALED, AND THE DEALER MAY DEAL HIMSELF MORE CARDS. THEN THE WINNER (HIGHEST TOTAL NOT EXCEEDING 21) IS DETERMINED AND THE WAGERED MONEY IS EITHER ADDED TO OR SUBTRACTED FROM THE PLAYER'S TOTAL WINNINGS. A TIE AT THIS POINT IS TREATED AS A VOID GAME AND NEW CARDS ARE DEALT.

ACES CAN COUNT AS 1 OR 11. WHEN THE DECK IS EXHAUSTED THE CARDS ARE RESHUFFLED (EXCEPT FOR THOSE WHICH ARE CURRENTLY IN PLAY) AND THE GAME CONTINUES. THE GAME IS ENDED WHEN THE PLAYER MAKES A WAGER OF 0. THE COMPUTER WILL INDICATE WHO WON AND THEN HALT. THE GAME MAY BE RESTARTED BY PRESSING CONTINUE.

NOTE: IF THE PLAYER'S WINNINGS (OR LOSINGS) EXCEED 2000, SOME TROUBLE MAY DEVELOP SINCE THE LARGEST POSSIBLE INTEGER NUMBER WHICH CAN BE STORED IN THE COMPUTER IS JUST A LITTLE OVER 2000.

INFORMATION ON STRUCTURE OF PROGRAM

THE PROGRAM IS STRAIGHTFORWARD, WITH SUBROUTINES USED FOR MOST OF THE PROCESSING. SHUFFLING IS HANDLED BY USE OF A RANDOM NUMBER GENERATOR SUBROUTINE. THE "NUMBER OF TIMES TO SHUFFLE THE DECK" ASKED FOR AT THE BEGINNING OF THE PROGRAM PROVIDES AN INITIAL RANDOM NUMBER TO USE IN SHUFFLING THE DECK.

CARDS ARE DEALT FROM THE "SHUFFLED DECK" ARRAY R. AS THEY ARE PLAYED, THEY ARE STORED IN A "TEMPORARY DECK" V. AT THE END OF THE HAND THEY ARE RETURNED TO THE "USED CARD DECK" A. WHEN THE SHUFFLED DECK IS EXHAUSTED, THE USED CARD DECK A IS RESHUFFLED AND BECOMES THE NEW DECK R.

THE INITIAL WAGER DETERMINES A "HOUSE LIMIT" (30 TIMES INITIAL WAGER) WHICH INSURES THAT THE PLAYER CANNOT DOUBLE HIS BET FOREVER.

*

NOTE: REQUIRES EAE

BIG BROTHER IS WATCHING YOU

WAGER ANY AMOUNT Ø WAGER ENDS GAME

HOW MANY TIMES SHOULD I SHUFFLE THE DECK?48
YOU STAND \$0 AHEAD. WHAT IS YOUR WAGER?10
YOUR CARD IS 9 SPADES

I SHOW 3 HEARTS
YOUR CARD IS 7 DIAMONDS
HIT?N
DEALER'S COVERED CARD IS 8 SPADES
4 CLUBS
6 CLUBS

I WIN
YOU STAND \$10 IN THE HOLE. WHAT IS YOUR WAGER?20
YOUR CARD IS 2 CLUBS

I SHOW A HEARTS
YOUR CARD IS 6 HEARTS
DEALER HAS BLACKJACK.
DEALER'S COVERED CARD IS J SPADES

I WIN
YOU STAND \$30 IN THE HOLE. WHAT IS YOUR WAGER?40
YOUR CARD IS 2 HEARTS

I SHOW 7 CLUBS
YOUR CARD IS 5 SPADES
HIT?Y
4 SPADES

HIT?Y
3 SPADES

HIT?Y
Q CLUBS

YOU HAVE BUSTED
DEALER'S COVERED CARD IS A SPADES

I WIN
YOU STAND \$70 IN THE HOLE. WHAT IS YOUR WAGER?80
YOUR CARD IS 7 SPADES

I SHOW K HEARTS
YOUR CARD IS Q HEARTS
HIT?N
DEALER'S COVERED CARD IS J HEARTS

I WIN
YOU STAND \$150 IN THE HOLE. WHAT IS YOUR WAGER?160
YOUR CARD IS 4 DIAMONDS

I SHOW 10 HEARTS
YOUR CARD IS 3 CLUBS
HIT?Y
A CLUBS

HIT?N
DEALER'S COVERED CARD IS 7 HEARTS

YOU WIN
YOU STAND \$10 AHEAD. WHAT IS YOUR WAGER?10
YOUR CARD IS 9 DIAMONDS

I SHOW K DIAMONDS
YOUR CARD IS 8 CLUBS
HIT?N

DEALER'S COVERED CARD IS 8 HEARTS

I WIN

YOU STAND \$3 AHEAD. WHAT IS YOUR WAGER?20

YOUR CARD IS 13 SPADES

I SHOW Q DIAMONDS

YOUR CARD IS 4 HEARTS

HIT?Y

9 HEARTS

YOU HAVE BUSTED

DEALER'S COVERED CARD IS K CLUBS

I WIN

YOU STAND \$20 IN THE HOLE. WHAT IS YOUR WAGER?0

YOU OWE ME \$20

/ DATA FOR BLACKJACK PROGRAM

			*30
0030	0301	CA,	301
0031	0302	CB,	302
0032	0303	CC,	303
0033	0304	CD,	304
0034	0305	CE,	305
0035	0306	CF,	306
0036	0307	CG,	307
0037	0310	CH,	310
0040	0311	CI,	311
0041	0312	CJ,	312
0042	0313	CK,	313
0043	0314	CL,	314
0044	0315	CM,	315
0045	0316	CN,	316
0046	0317	CO,	317
0047	0320	CP,	320
0050	0321	CQ,	321
0051	0322	CR,	322
0052	0323	CS,	323
0053	0324	CT,	324
0054	0325	CU,	325
0055	0326	CV,	326
0056	0327	CW,	327
0057	0330	CX,	330
0060	0331	CY,	331
0061	0332	CZ,	332
0062	0260	C0,	260
0063	0261	C1,	261
0064	0262	C2,	262
0065	0263	C3,	263
0066	0264	C4,	264
0067	0265	C5,	265
0070	0266	C6,	266
0071	0267	C7,	267
0072	0270	C8,	270
0073	0271	C9,	271
0074	0215	CCR,	215
0075	0212	CLF,	212
0076	0240	CSP,	240
0077	0244	CDOL,	244
0100	0247	CAPOS,	247
0101	0256	CPER,	256
0102	0277	CQM,	277
0103	7563	MCR,	-215
		/	
		/	

3104	1223	ANUP,	NUP
3105	2433	CTYPE,	CTYPE1
3106	2000	DCOV,DCOV1	
3107	2674	DDEAL,	DDEAL1
3110	1400	DEAL,	DEAL1
3111	1431	DEALL,	DEAL2
3112	3502	NPRINT,	NPRT1
3113	3452	NREAD,	NREAD1
3114	3500	NTIMES,	NTIMS1
3115	1000	NUDL,	NUDEAL
3116	2600	PDEAL,	PDEAL1
3117	2200	PRCRD,	PRCRD1
3120	3400	PRINT,	PRINT1
3121	3417	PRT,	PRT1
3122	3557	RAND,	RAND1
3123	3440	READC,	READC1
3124	3424	READ,	READ1
3125	3626	SHUFFL,	SHUFL1
3126	3200	START,	START1
		/	
		/	
3127	7777	M1,	-1
3133	7775	M3,	-3
3131	7774	M4,	-4
		/	
		/	
3132	0001	P1,	1
3133	0002	P2,	2
		/	
		/	

0134	0000	JUNK,	0
0135	0000	JUNK1,	0
0136	0000	JUNK2,	0
0137	0000	JUNK3,	0
0140	0000	JUNK5,	0
0141	0000	A0,	0
0142	0000	A1,	0
0143	0000	A2,	0
0144	0000	A3,	0
0145	0000	A9,	0
0146	0000	DCYRK,	0
0147	0000	K9,	0
0150	0000	X,	0
0151	0000	S3,	0
0152	0000	S4,	0
0153	0000	W,	0
0154	0000	W2,	0
0155	0000	W1,	0
0156	0000	T,	0
0157	0000	V0,	0
0160	0000	Q0,	0
0161	0000	M,	0
0162	0000	MM,	0
0163	0000	P,	0
0164	0000	R0,	0
0165	0000	E,	0
0166	0000	H,	0
0167	0000	HO,	0
0170	0000	J,	0
0171	0000		0
0172	0000		0
0173	0000	MO,	0
0174	0000	Q,	0
0175	0000	N,	0

/ NUMBER OF CARDS IN DECK (A)

/ =1 IF PRINTING DEALER'S COVERED CARD

/ RANDOM NUMBER

/ DEALER'S CARD TOTAL

/ PLAYER'S CARD TOTAL

/ CURRENT CARD (FROM DECK R)

/ CURRENT WAGER

/ PLAYER'S WINNINGS

/ 0 INITIALLY, 1 LATER

/ INDEXES V

/ =1 AFTER FIRST SHUFFLE

/ # OF CARDS IN DECK R

/ 1 FOR DEALER, 2 FOR PLAYER

/ HOUSE LIMIT (INITIAL WAGER * 32)

			*2
0002	3000	CLOC,	C
0003	3100	ALOC,	A
0004	3200	RLOC,	R
0005	3270	BLOC,	B
0006	3300	VLOC,	V
		/	
		/	

3000	0000	C,	*3000	
			0	/ CARD DESCRIPTIONS
3100	0000	A,	*3100	
			0	/ USED CARDS
3200	0000	R,	*3200	
			0	/ SHUFFLED DECK
3270	0000	E,	*3270	
			0	
3300	0000	V,	*3300	
		/	0	/ CARDS CURRENTLY BEING PLAYED
		/		
		/		

/ BASIC SUBROUTINES FOR BLACKJACK PROGRAM

```

/
*3400
3400 3000 PRINT1, 3
3401 7200 CLA
3402 1200 TAD PRINT1
3403 1127 TAD M1
3404 3010 DCA 10
3405 1410 PRLOOP, TAD I 10
3406 7450 SNA
3407 5410 JMP I 13
3410 3134 DCA JUNK
3411 6041 TSF
3412 5211 JMP .-1
3413 1534 TAD I JUNK
3414 6046 TLS
3415 7200 CLA
3416 5205 JMP PRLOOP

/
/
3417 3000 PRT1, 0
3420 5341 TSF
3421 5220 JMP .-1
3422 6046 TLS
3423 5617 JMP I PRT1

/
/
3424 3000 READ1, 0
3425 6031 KSF
3426 5225 JMP .-1
3427 6036 KRE
3430 3136 DCA JUNK2
3431 1136 TAD JUNK2
3432 6041 TSF
3433 5232 JMP .-1
3434 6046 TLS
3435 7200 CLA
3436 1136 TAD JUNK2
3437 5624 JMP I READ1

/
/
3440 3000 READC1, 3
3441 4224 JMS READ1
3442 3135 DCA JUNK1
3443 4200 JMS PRINT1
3444 0074
3445 0075
3446 0000 CCR; CLF; 0
3447 7200 CLA
3450 1135 TAD JUNK1
3451 5640 JMP I READC1

/
/

```

3452	0000	NREAD1, 0	
3453	7200		CLA
3454	3137		DCA JUNK3
3455	4524	NRLOOP, JMS	I READ
3456	3135		DCA JUNK1
3457	1135		TAD JUNK1
3460	1103		TAD MCR
3461	7650		SNA CLA
3462	5273		JMP NRXIT
3463	1137		TAD JUNK3
3464	7425		SQL MUY
3465	0012		12
3466	7501		MQA
3467	1135		TAD JUNK1
3470	1301		TAD M260
3471	3137		DCA JUNK3
3472	5255		JMP NRLOOP
3473	4200	NRXIT, JMS	PRINT1
3474	0075		
3475	0000		CLF;0
3476	7200		CLA
3477	1137		TAD JUNK3
3500	5652		JMP I NREAD1
/			
3501	7520	M260,	-260
/			
/			
3502	0000	NPRT1, 0	
3503	7200		CLA
3504	3345		DCA CNTR
3505	1346		TAD DIGAD
3506	3011		DCA 11
3507	1702		TAD I NPRT1
3510	3136		DCA JUNK2
3511	1536		TAD I JUNK2
3512	7100	NPLOOP, CLL	
3513	7427		SQL DVI
3514	0012		12
3515	3411		DCA I 11
3516	2345		ISZ CNTR
3517	7501		MQA
3520	7440		SZA
3521	5312		JMP NPLOOP
3522	7200		CLA
3523	1345		TAD CNTR
3524	7041		CMA IAC
3525	3345		DCA CNTR
3526	1011		TAD 11
3527	3344		DCA CTR2
3530	1744	NPLP2, TAD	I CTR2
3531	1343		TAD P260
3532	4521		JMS I PRT
3533	7200		CLA
3534	1344		TAD CTR2
3535	1127		TAD M1
3536	3344		DCA CTR2
3537	2345		ISZ CNTR
3540	5330		JMP NPLP2
3541	2302		ISZ NPRT1
3542	5702		JMP I NPRT1

3543	0260	P260,	260
3544	0000	CTR2,	0
3545	0000	CNTR,	0
3546	3546	DIGAD,	DIG-1
3547	0000	DIG,	0
3550	0000		0
3551	0000		0
3552	0000		0
3553	0000		0
3554	0000		0
3555	0000		0
3556	0000		0
		/	
		/	
3557	0000	RAND1,	0
3560	7200		CLA
3561	1147		TAD K9
3562	7425		MQL MUY
			DECIMAL
3563	1161		625
			OCTAL
3564	7501		MQA
3565	0374		AND P3777
3566	3147		DCA K9
3567	1147		TAD K9
3570	7100		CLL
3571	7427		MQL DVI
			DECIMAL
3572	0144		100
			OCTAL
3573	5757		JMP I RAND1
3574	3777	P3777,	3777
		/	
		/	
			*3600
3600	0000	NTIMS1,	0
3601	7200		CLA
3602	1600		TAD I NTIMS1 / N
3603	3224		DCA NNN
3604	1224		TAD NNN
3605	7041		CMA IAC
3606	3140		DCA JUNK5
3607	2200		ISZ NTIMS1
3610	1600		TAD I NTIMS1 / LOC
3611	3225		DCA JUNK4
3612	1140	NTIMSL,	TAD JUNK5
3613	1224		TAD NNN
3614	7001		IAC
3615	3217		DCA ARG
3616	4625		JMS I JUNK4
3617	0000	ARG,	0
3620	2140		ISZ JUNK5
3621	5212		JMP NTIMSL
3622	2200		ISZ NTIMS1
3623	5600		JMP I NTIMS1
		/	
3624	0000	NNN,	0
3625	3000	JUNK4,	0
		/	
		/	

```

3626 0000 SHUFL1, 0
3627 7200 CLA
3630 1141 TAD A0
3631 3233 DCA .+2
3632 4514 JMS I NTIMES
3633 0000 0
3634 3636 SHUFL2
3635 5626 JMP I SHUFL1

```

```

/
3636 0000 SHUFL2, 0
3637 7200 CLA
3640 1636 TAD I SHUFL2
3641 3175 DCA N
3642 4522 JMS I RAND
3643 3150 DCA X
3644 1141 TAD A0
3645 1132 TAD P1
3646 7041 CMA IAC
3647 1175 TAD N
3650 7041 CMA IAC
3651 3254 DCA Y
3652 1150 TAD X
3653 7427 MQL DVI
3654 0000 Y, 0
3655 1132 TAD P1
3656 3276 DCA ZZ1
3657 1003 TAD ALOC
3660 1276 TAD ZZ1
3661 3136 DCA JUNK2
3662 1004 TAD RLOC
3663 1175 TAD N
3664 3137 DCA JUNK3
3665 1536 TAD I JUNK2
3666 3537 DCA I JUNK3
3667 1003 TAD ALOC
3670 1254 TAD Y
3671 3137 DCA JUNK3
3672 1537 TAD I JUNK3
3673 3536 DCA I JUNK2
3674 2236 ISZ SHUFL2
3675 5636 JMP I SHUFL2

```

```

/
3676 0000 ZZ1, 0
/
/

```

***** END OF PART I *****

/
/ BLACKJACK PROGRAM
/

```
0200 6032 *200  
0201 6046 START1, KCC  
0202 4520 TLS  
0203 0074 JMS I PRINT  
0204 0075  
0205 0075 CCR; CLF; CLF  
0206 0031  
0207 0040  
0210 0036  
0211 0076  
0212 0031  
0213 0051  
0214 0046  
0215 0053  
0216 0037  
0217 0034  
0220 0051  
0221 0076 CB; CI; CG; CSP; CB; CR; CO; CT; CH; CE; CR; CSP  
0222 0040  
0223 0052  
0224 0076  
0225 0056  
0226 0030  
0227 0053  
0230 0032  
0231 0037  
0232 0040  
0233 0045  
0234 0036  
0235 0076 CI; CS; CSP; CW; CA; CT; CC; CH; CI; CN; CG; CSP  
0236 0062  
0237 0046  
-----  
0240 0054  
0241 0074  
0242 0075  
0243 0075
```

CY; CO; CU; CCR; CLF; CLF;

0244 0056
0245 0030
0246 0036
0247 0034
0250 0051
0251 0076
0252 0030
0253 0045
0254 0060
0255 0076
0256 0030
0257 0044
0260 0046
0261 0054
0262 0045
0263 0053
0264 0076
0265 0076
0266 0076
0267 0062
0270 0076
0271 0056
0272 0030
0273 0036
0274 0034
0275 0051
0276 0076
0277 0034
0300 0045
0301 0033
0302 0052
0303 0076
0304 0036
0305 0030
0306 0044
0307 0034
0310 0074
0311 0075
0312 0075
0313 0037
0314 0046
0315 0056
0316 0076
0317 0044
0320 0030
0321 0045
0322 0060
0323 0076

CW; CA; CG; CE; CR; CSP; CA; CN; CY; CSP; CA; CM; CO; CU; CN; CT; CB

CSP; CSP; C0; CSP; CW; CA; CG; CE; CR; CSP; CE; CN; CD; CS; CSP

CG; CA; CM; CE; CCR; CLF; CLF; CH; CO; CW; CSP; CM; CA; CN; CY; CSP

0324 0053
 0325 0040
 0326 0044
 0327 0034
 0330 0052
 0331 0076
 0332 0052
 0333 0037
 0334 0046
 0335 0054
 0336 0043
 0337 0033
 0340 0076

0341 0040
 0342 0076
 0343 0052
 0344 0037
 0345 0054
 0346 0035
 0347 0035
 0350 0043
 0351 0034
 0352 0076
 0353 0053
 0354 0037
 0355 0034
 0356 0076
 0357 0033
 0360 0034
 0361 0032
 0362 0042
 0363 0102
 0364 0200
 0365 5766

CT; CI; CM; CE; CS; CSP; CS; CH; CO; CU; CL; CD; CSP; CI; CSP

CS; CH; CU; CF; CF; CL; CE; CSP; CT; CH; CE; CSP; CD; CE; CC; CK; CQ
 JMP I READSH

0366 0400 / READSH, RDSHUF
 /
 /

*438

```

/
/
3420 4513 RDSHUF, JMS I NREAD
3421 7124 STL RAL / AC*2+1
3422 3147 DCA X9
3423 3156 DCA T
3424 1324 TAD P64
3425 3141 DCA A0
3426 3157 DCA V0
3427 3158 DCA Q0
3410 3146 DCA DCMRK
3411 3155 DCA W1
3412 1003 TAD ALOC
3413 3010 DCA I0
3414 1002 TAD CLOC
3415 3011 DCA I1
3416 1131 TAD M4
3417 3134 DCA JUNK
3428 1132 TAD P1
3421 3140 DCA JUNK5
3422 3136 DCA JUNK2
3423 1326 MLOOP2, TAD M15
3424 3135 DCA JUNK1
3425 1325 TAD P144
3426 1136 TAD JUNK2
3427 3136 DCA JUNK2
3430 1132 TAD P1
3431 3137 DCA JUNK3
3432 1136 MLOOP1, TAD JUNK2
3433 1137 TAD JUNK3
3434 3411 DCA I 11
3435 2137 ISZ JUNK3
3436 1140 TAD JUNK5
3437 3410 DCA I 10
3440 2140 ISZ JUNK5
3441 2135 ISZ JUNK1
3442 5232 JMP MLOOP1
3443 2134 ISZ JUNK
3444 5223 JMP MLOOP2
3445 4247 JMS NUSHUF
3446 5515 JMP I NUCL
```

```

/
/ START WITH NEW SHUFFLE
/
0447 0000 NUSHUF, 0
0450 4525 JMS I SHUFFL
0451 7200 CLA
0452 1141 TAD A0
0453 3164 DCA R0
0454 3141 DCA A0
0455 3175 DCA N
0456 5647 JMP I NUSHUF

/
/ RESHUFFLE
/
0457 0000 RESHUF, 0
0460 4520 JMS I PRINT
0461 0051
0462 0034
0463 0052
0464 0037
0465 0054
0466 0035
0467 0035
0470 0043
0471 0034
0472 0074
0473 0075
0474 0030 CR; CE; CS; CH; CU; CF; CF; CL; CE; CCR; CLF; 0
0475 7201 CLA IAC
0476 3160 DCA Q0
0477 4247 JMS NUSHUF
0500 2175 ISZ N
0501 7200 CLA
0502 5657 JMP I RESHUF

/
0503 0015 P15, 15
0504 0064 P64, 64
0505 0144 P144, 144
0506 7763 M15, -15
/

```

*600

/
/ END
/

0600	7200	PAYOUT,	CLA
0601	1155		TAD W1
0602	7450		SNA
0603	5234		JMP PAYEND
0604	7500		SMA
0605	5236		JMP COLECT
0606	7041		CMA IAC
0607	3137		DCA JUNK3
0610	4520		JMS I PRINT
0611	0060		
0612	0046		
0613	0254		
0614	0076		
0615	0046		
0616	0056		
0617	0034		
0620	0076		
0621	0044		
0622	0034		
0623	0076		
0624	0077		
0625	0000		CY;CO;CU;CSP;CO;CW;CE;CSP;CM;CE;CSP;CDOL;0
0626	4512		JMS I NPRINT
0627	0137		JUNK3
0630	4520		JMS I PRINT
0631	0074		
0632	0075		
0633	0000		CCR;CLF;0
0634	7402	PAYEND,	HLT
0635	5526		JMP I START
0636	3137	COLECT,	DCA JUNK3
0637	4520		JMS I PRINT
0640	0032		
0641	0046		
0642	0043		
0643	0043		
0644	0034		
0645	0032		
0646	0053		
0647	0076		
0650	0077		
0651	0000		CC;CO;CL;CL;CE;CC;CT;CSP;CDOL;0
0652	4512		JMS I NPRINT
0653	0137		JUNK3
0654	4520		JMS I PRINT
0655	0076		
0656	0035		
0657	0051		

0660 0046
 0661 0044
 0662 0076
 0663 0033
 0664 0040
 0665 0036
 0666 0040
 0667 0053
 0670 0030
 0671 0043
 0672 0076
 0673 0034
 0674 0050
 0675 0054
 0676 0040
 0677 0047
 0700 0044
 0701 0034
 0702 0045
 0703 0053
 0704 0076
 0705 0032
 0706 0046
 0707 0051
 0710 0047
 0711 0046
 0712 0051
 0713 0030
 0714 0053
 0715 0040
 0716 0046
 0717 0045
 0720 0074
 0721 0075
 0722 0000
 0723 7402
 0724 5526

CSP; CF; CR; CO; CM; CSP; CD; CI; CG; CI; CT; CA; CL; CSP

CE; CQ; CU; CI; CP; CM; CE; CN; CT; CSP

CC; CO; CR; CP; CO; CR; CA; CT; CI; CO; CN; CCR; CLF; 0
 HLT
 JMP I START

/

*1000

/
/ NEW DEAL
/
NUDEAL, JMS I PRINT

1000 4520
1001 0060
1002 0046
1003 0054
1004 0076
1005 0052
1006 0053
1007 0030
1010 0045
1011 0033
1012 0076
1013 0077
1014 0000
1015 7200
1016 1155
1017 7510
1020 7041
1021 3137
1022 4512
1023 0137
1024 7200
1025 1155
1026 7510
1027 5242
1030 4520
1031 0076
1032 0030
1033 0037
1034 0034
1035 0030
1036 0033
1037 0101
1040 0000
1041 5261
1042 4520
1043 0076
1044 0040
1045 0045
1046 0076
1047 0053
1050 0037
1051 0034
1052 0076
1053 0037
1054 0046
1055 0043
1056 0034
1057 0101
1060 0000

TAD

NEGMON,

CY; CO; CU; CSP; CS; CT; CA; CN; CD; CSP; CDOL; 0

CLA
TAD WI
SPA
CMA IAC
DCA JUNK3
JMS I NPRINT
JUNK3
CLA
WI
SPA
JMP NEGMON
JMS I PRINT

CSP; CA; CH; CE; CA; CD; CPER; 0

JMP WAG
JMS I PRINT

CSP; CI; CN; CSP; CT; CH; CE; CSP; CH; CO; CL; CE; CPER; 0

1061	4520	WAG,	JMS	I PRINT
1062	0076			
1063	0076			
1064	0056			
1065	0037			
1066	0030			
1067	0053			
1070	0076			
1071	0040			
1072	0052			
1073	0076			
1074	0060			
1075	0046			

1076	0054			
1077	0051			
1100	0076			
1101	0056			
1102	0030			
1103	0036			
1104	0034			
1105	0051			
1106	0102			

CSP; CSP; CW; CH; CA; CT; CSP; CI; CS; CSP; CY; CO; CU; CR; CSP; C

1107	0000			
1110	4513	WAGIN,	JMS	I NREAD
1111	7450		SNA	
1112	5767		JMP	I PAY
1113	3154		DCA	W0
1114	1156		TAD	T
1115	7650		SNA	CLA
1116	5325		JMP	L720
1117	1154		TAD	W0
1120	7041		CMA	IAC
1121	1173		TAD	M0
1122	7710		SPA	CLA
1123	5770		JMP	I BIG
1124	5334		JMP	L740
1125	7201	L720,	CLA	IAC
1126	3156		DCA	T
1127	1154		TAD	W0
1130	7425		MQL	MUY

CG; CE; CR; CQM; 0

DECIMAL

30

OCTAL

MQA

DCA M0

1131	0036			
1132	7501			
1133	3173			

1134	3163	L740,	DCA	P
1135	3151		DCA	S3
1136	3152		DCA	S4
1137	1157		TAD	V0
1140	7450		SNA	
1141	5771		JMP	I AL830
1142	3344		DCA	.+2
1143	4514		JMS	I NTIMES
1144	0000			0
1145	1150		SUB1	
1146	5747		JMP	I AL810
1147	1200	AL810,	L810	
1150	0000	SUB1,		0
1151	7200		CLA	
1152	1750		TAD	I SUB1
1153	3136		DCA	JUNK2
1154	1136		TAD	JUNK2
1155	1006		TAD	VLOC
1156	3137		DCA	JUNK3
1157	1136		TAD	JUNK2
1160	1141		TAD	A0
1161	1003		TAD	ALOC
1162	3136		DCA	JUNK2
1163	1537		TAD	I JUNK3
1164	3536		DCA	I JUNK2
1165	2353		ISZ	SUB1
1166	5750		JMP	I SUB1
		/		
1167	0600	PAY,	PAYOUT	
1170	1673	BIG,	BIGBET	
1171	1205	AL830,	L830	
		/		

*1200

1200	7200	L810,	CLA	
1201	1141		TAD	A0
1202	1157		TAD	V0
1203	3141		DCA	A0
1204	3157		DCA	V0
1205	7200	L830,	CLA	
1206	3171		DCA	J+1
1207	3172		DCA	J+2
1210	4514		JMS	I NTIMES
1211	0010		I3	
1212	1214		SUB2	
1213	5223		JMP	NUP
1214	0000	SUB2,	0	
1215	1614		TAD	I SUE2
1216	1005		TAD	ELOC
1217	3136		DCA	JUNK2
1220	3536		DCA	I JUNK2
1221	2214		ISZ	SUE2
1222	5614		JMP	I SUB2

/
/
/

1223	7200	NUP,	CLA	
1224	1163		TAD	P
1225	7010		RAR	
1226	7200		CLA	
1227	7034		RAL	
1230	7001		IAC	
1231	3165		DCA	E
1232	1165		TAD	E
1233	1127		TAD	M1
1234	7650		SNA	CLA
1235	5262		JMP	L940
1236	1163		TAD	P
1237	1130		TAD	M3
1240	7650		SNA	CLA
1241	5331		JMP	L950
1242	4520		JMS	I PRINT
1243	0040			
1244	0076			
1245	0052			
1246	0037			
1247	0046			
1250	0056			
1251	0076			
1252	0076			
1253	0076			
1254	0076			
1255	0076			
1256	0076			
1257	0076			
1260	0030			
1261	5301		JMP	L950

01; 03P; 06; 08; 00; 0W; 0SP; 0SP; 0SP; 0SP; 0SP; 0SP; 0SP; 0SP; 0

1262 4527 L940, JMS I PRINT
 1263 0060
 1264 0046
 1265 0054
 1266 0051
 1267 0076
 1270 0032
 1271 0033
 1272 0051
 1273 0033
 1274 0076
 1275 0040
 1276 0052

1277 0076
 1300 0030
 1301 4510 L950, JMS I DEAL
 1302 7200 CLA
 1303 2163 ISZ P
 1304 1163 TAD P
 1305 1131 TAD M4
 1306 7440 SZA
 1307 5223 JMP NUP

/
 / CHECK FOR BLACKJACK
 /

1310 7200 CHECK, CLA
 1311 1151 TAD S3
 1312 1365 TAD M25
 1313 7650 SNA CLA
 1314 5763 JMP I DBKJK
 1315 1152 TAD S4
 1316 1365 TAD M25
 1317 7650 SNA CLA
 1320 5764 JMP I PBKJK
 1321 4516 JMS I PDEAL
 1322 7200 CLA
 1323 1133 TAD P2
 1324 3155 DCA E
 1325 4506 JMS I DCOV
 1326 4507 JMS I DDEAL

/ DETERMINE WINNER

1327	7200	CLA
1330	1151	TAD S3
1331	7341	CMA IAC
1332	1152	TAD S4
1333	7510	SPA
1334	5766	JMP I AIWIN
1335	7440	SZA
1336	5767	JMP I AYWIN
1337	4520	JMS I PRINT
1340	0036	
1341	0030	
1342	0044	
1343	0034	
1344	0076	
1345	0040	
1346	0052	
1347	0076	
1350	0030	
1351	0076	
1352	0033	
1353	0051	
1354	0030	
1355	0056	
1356	0076	

CG; CA; CM; CE; CSP; CI; CS; CSP; CA; CSP; CD; CR; CA; CW; CSP;

1357	0074	
1360	0075	
1361	0000	CCR; CLF; 0
1362	5770	JMP I AL740

1363	1474	DBKJK, DLBKJK
1364	1600	PBKJK, PLBKJK
1365	7753	M25, -25
1366	1554	AIWIN, IWIN
1367	1653	AYWIN, YOUWIN
1370	1134	AL740, L740

/
/
/ ***** END OF SECOND PART *****

*1400

	/		
	/	DEAL	
	/		
1400	0000	DEAL1,	0
1401	7200	DEAL2,	CLA
1402	1165		TAD E
1403	1127		TAD M1
1404	7650		SNA CLA
1405	5215		JMP L2080
1406	1163		TAD P
1407	1130		TAD M3
1410	7450		SNA
1411	5215		JMP L2080
1412	4514		JMS I NTIMES
1413	0014		14
1414	1467		SUB6
1415	2175	L2080,	ISZ N
1416	7200		CLA
1417	1175		TAD N
1420	7041		CMA IAC
1421	1164		TAD R0
1422	7710		SPA CLA
1423	4666		JMS I RSHUF
1424	1175		TAD N
1425	1004		TAD RLOC
1426	3136		DCA JUNK2
1427	1536		TAD I JUNK2
1430	3153		DCA W
1431	1153		TAD W
1432	1002		TAD CLOC
1433	3136		DCA JUNK2
1434	1536		TAD I JUNK2
1435	3150		DCA X
1436	2157		ISZ V0
1437	1157		TAD V0
1440	1006		TAD VLOC
1441	3136		DCA JUNK2
1442	1153		TAD W
1443	3536		DCA I JUNK2
1444	1163		TAD P
1445	1131		TAD M4
1446	7440		SZA
1447	5253		JMP L2155
1450	4514		JMS I NTIMES
1451	0015		15
1452	1467		SUB6
1453	7200	L2155,	CLA
1454	1163		TAD P
1455	1130		TAD M3
1456	7450		SNA
1457	5252		JMP L2180
1450	4517	L2160,	JMS I PROCRD
1451	5500		JMP I DEAL1
1452	7200	L2180,	CLA
1453	1150		TAD X
1454	3166		DCA H
1455	5260		JMP L2160

```

1466 0457 RSHUF, RESHUF
      /
1467 0000 SUB6, 0
1470 4520 JMS I PRINT
1471 0076
1472 0000 CSP; 0
1473 5667 JMP I SUB6

```

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/
/
/

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1474 0000 DLBKJK, 0
1475 4520 JMS I PRINT

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1476 0033
1477 0034
1500 0030
1501 0043
1502 0034
1503 0051
1504 0076
1505 0037
1506 0030
1507 0052
1510 0076

```

CD; CE; CA; CL; CE; CR; CSP; CH; CA; CS; CSP; CB

```

1511 0031
1512 0043
1513 0030
1514 0032
1515 0042
1516 0041
1517 0030
1520 0032
1521 0042
1522 0101
1523 0074
1524 0075

```

CL; CA; CC; CK; CJ; CA; CC; CK; CPER; CCR; CLF; 0

```

1525 0000 JMS I DCOV
1526 4506 JMS I DCOV
1527 5354 JMP IWIN
1530 4520 JMS I PRINT

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YOUB,

```

1531 0060
1532 0046
1533 0054
1534 0076
1535 0037
1536 0030
1537 0055
1540 0034
1541 0076
1542 0031
1543 0054
1544 0052
1545 0053
1546 0034
1547 0033
1550 0074
1551 0075
1552 0000
1553 4506

```

CY; CO; CU; CSP; CH; CA; CV; CE; CSP; CB; CU; CS; CT; CE; CD; CCR; 0
JMS I DCOV

1554	4520	IWIN,	JMS	I PRINT
1555	0040			
1556	0076			
1557	0056			
1560	0040			
1561	0045			
1562	0074			
1563	0075			
1564	0000		CI; CSP; CW; CI; CN; CCR; CLF; 0	
1565	7200		CLA	
1566	1154		TAD	WD
1567	7041		CMA	IAC
1570	1155		TAD	WI
1571	3155		DCA	WI
1572	5515		JMP	I NU DL

/

*1600

/

/

/

1600	0000	PLBKJK, 0		
1601	4520		JMS	I PRINT

1602	0060			
1603	0046			
1604	0054			
1605	0076			
1606	0037			
1607	0030			
1610	0055			
1611	0034			
1612	0076			

CY; CO; CU; CSP; CH; CA; CV; CE; CSP;

1613	0031			
1614	0043			
1615	0030			
1616	0032			
1617	0042			
1620	0041			
1621	0030			
1622	0032			
1623	0042			
1624	0074			
1625	0075			
1626	0000		CB; CL; CA; CC; CK; CJ; CA; CC; CK; CCR; CLF; 0	
1627	4506		JMS	I DCOV
1630	5253		JMP	YOUWIN

CB; CL; CA; CC; CK; CJ; CA; CC; CK; CCR; CLF; 0
 JMS I DCOV
 JMP YOUWIN

1631 4520 DLBB, JMS I PRINT
 1632 0033
 1633 0034
 1634 0030
 1635 0043
 1636 0034
 1637 0051
 1640 0076
 1641 0031
 1642 0054
 1643 0052
 1644 0053
 1645 0034
 1646 0033
 1647 0101
 1650 0076
 1651 0076

CD; CE; CA; CL; CE; CR; CSP; CB; CU; CS; CT; CE; CD; CPER; CSP; CS;
 YOUWIN, JMS I PRINT

1652 0000
 1653 4520
 1654 0060
 1655 0046
 1656 0054
 1657 0076
 1660 0056
 1661 0040
 1662 0045
 1663 0074
 1664 0075
 1665 0000
 1666 7200
 1667 1154
 1670 1155
 1671 3155
 1672 5515

CY; CO; CU; CSP; CW; CI; CN; CCR; CLF; 0
 CLA
 TAD W0
 TAD W1
 DCA W1
 JMP I NUDL

/
 /
 /

1673 4520 BIGBET, JMS I PRINT
 1674 0037
 1675 0046
 1676 0054
 1677 0052
 1700 0034
 1701 0076
 1702 0043
 1703 0040
 1704 0044
 1705 0040
 1706 0053
 1707 0076
 1710 0046
 1711 0235
 1712 0076
 1713 0077
 1714 0000
 1715 4512
 1716 0173
 1717 4520
 1720 0076
 1721 0037
 1722 0030
 1723 0052
 1724 0076
 1725 0031
 1726 0034
 1727 0034
 1730 0045
 1731 0076

 1732 0034
 1733 0057
 1734 0032
 1735 0034
 1736 0034
 1737 0033
 1740 0034
 1741 0033
 1742 0101
 1743 0076
 1744 0076
 1745 0031
 1746 0034
 1747 0053
 1750 0076
 1751 0030
 1752 0036
 1753 0030
 1754 0040
 1755 0045
 1756 0101
 1757 0076
 1760 0076
 1761 0102
 1762 0000
 1763 5764

CH; CO; CU; CS; CE; CSP; CL; CI; CM; CI; CT; CSP; CO; CF; CSP; CDO
 JMS I NPRINT
 M0
 JMS I PRINT

CSP; CH; CA; CS; CSP; CB; CE; CE; CN; CSP;

CE; CX; CC; CE; CE; CD; CE; CD; CPER; CSP; CSP

CB; CE; CT; CSP; CA; CG; CA; CI; CN; CPER; CSP; CSP; CQN; J
 JMP I WAGN

1764 1113 WAGN, WAGIN
 /
 *2000
 /
 /
 /
 2000 0000 DCOVI, 0
 2001 4520 JMS I PRINT

2002 0033
 2003 0034
 2004 0030
 2005 0043
 2006 0034
 2007 0051
 2010 0100
 2011 0052
 2012 0076
 2013 0032
 2014 0046
 2015 0055
 2016 0034
 2017 0051
 2020 0034
 2021 0033
 2022 0076
 2023 0032
 2024 0030
 2025 0051
 2026 0033
 2027 0076
 2030 0040
 2031 0052
 2032 0076
 2033 0000
 2034 7200
 2035 1166
 2036 3150
 2037 7201
 2040 3146
 2041 4517
 2042 7200
 2043 3146
 2044 5600

CD; CE; CA; CL; CE; CR; CAPOS; CS; CSP; CC; CO; CV; CE; CR; CE; CD

CC; CA; CR; CD; CSP; CI; CS; CSP; 0
 CLA
 TAD H
 DCA X
 CLA IAC
 DCA DCMRK
 JMS I PRCRD
 CLA
 DCA DCMRK
 JMP I DCOVI

*2200

/
/ PRINT OUT CARD
/
PRCRDI, 0

2200	0000	
2201	7200	CLA
2202	1150	TAD X
2203	1343	TAD M400
2204	7510	SPA
2205	5231	JMP L1060
2206	3150	DCA X
2207	4505	JMS I CTYPE
2210	7200	CLA
2211	1163	TAD P
2212	1130	TAD M3
2213	7450	SNA
2214	5500	JMP I PRCRDI
2215	4520	JMS I PRINT
2216	0076	
2217	0052	
2220	0047	
2221	0030	
2222	0033	
2223	0034	
2224	0052	
2225	0074	
2226	0075	
2227	0000	CSP; CS; CP; CA; CD; CE; CS; CCR; CLF; 0
2230	5600	L1050, JMP I PRCRDI
2231	7200	L1060, CLA
2232	1150	TAD X
2233	1342	TAD M300
2234	7510	SPA
2235	5261	JMP L1120
2236	3150	DCA X
2237	4505	JMS I CTYPE
2240	7200	CLA
2241	1163	TAD P
2242	1130	TAD M3
2243	7450	SNA
2244	5600	JMP I PRCRDI
2245	4520	JMS I PRINT
2246	0076	
2247	0037	
2250	0034	
2251	0030	
2252	0051	
2253	0053	
2254	0052	
2255	0074	
2256	0075	
2257	0000	CSP; CH; CE; CA; CR; CT; CS; CCR; CLF; 0
2260	5600	JMP I PRCRDI

2261	7200	L1120,	CLA	
2262	1150		TAD	X
2263	1341		TAD	M200
2264	7510		SPA	
2265	5313		JMP	L1180
2266	3150		DCA	X
2267	4505		JMS	I CTYPE
2270	7200		CLA	
2271	1163		TAD	P
2272	1130		TAD	M3
2273	7450		SNA	
2274	5600		JMP	I PRCRD1
2275	4520		JMS	I PRINT
2276	0076			
2277	0033			
2300	0040			
2301	0030			
2302	0044			
2303	0046			
2304	0045			
2305	0033			
2306	0052			
2307	0074			
2310	0075			
2311	0000		CSP; CD; CI; CA; CM; CO; CN; CD; CS; CCR; CLF; 0	
2312	5600		JMP	I PRCRD1
2313	7200	L1180,	CLA	
2314	1150		TAD	X
2315	1340		TAD	M100
2316	3150		DCA	X
2317	4505		JMS	I CTYPE
2320	7200		CLA	
2321	1163		TAD	P
2322	1130		TAD	M3
2323	7450		SNA	
2324	5600		JMP	I PRCRD1
2325	4520		JMS	I PRINT
2326	0076			
2327	0032			
2330	0043			
2331	0054			
2332	0031			
2333	0052			
2334	0074			
2335	0075			
2336	0000		CSP; CC; CL; CU; CB; CS; CCR; CLF; 0	
2337	5600		JMP	I PRCRD1
2340	7634	M100,	-144	
2341	7470	M200,	-310	
2342	7324	M300,	-454	
2343	7160	M400,	-620	
		/		
		/		

*2400

/

/

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2400	0000	CTYPE1, 0	
2401	7200	CLA	
2402	1150	TAD	X
2403	1357	TAD	M13
2404	7450	SNA	
2405	5252	JMP	L1360
2406	1127	TAD	M1
2407	7450	SNA	
2410	5263	JMP	L1390
2411	1127	TAD	M1
2412	7450	SNA	
2413	5274	JMP	L1420
2414	7200	CLA	
2415	1150	TAD	X
2416	1127	TAD	M1
2417	7450	SNA	
2420	5305	JMP	L1450
2421	7001	IAC	
2422	3145	DCA	A9
2423	1163	TAD	P
2424	1130	TAD	M3
2425	7450	SNA	
2426	5242	JMP	L1340
2427	4512	JMS	I NPRINT
2430	0150	X	
2431	7200	L1300, CLA	
2432	1165	TAD	E
2433	1127	TAD	M1
2434	7440	SZA	
2435	5242	JMP	L1340
2436	1152	TAD	S4
2437	1145	TAD	A9
2440	3152	DCA	S4
2441	5600	JMP	I CTYPE1
2442	7200	L1340, CLA	
2443	1146	TAD	DCMRK
2444	7440	SZA	
2445	5600	JMP	I CTYPE1
2446	1151	TAD	S3
2447	1145	TAD	A9
2450	3151	DCA	S3
2451	5600	JMP	I CTYPE1

2452	7200	L1360,	CLA	
2453	1163		TAD	P
2454	1130		TAD	M3
2455	7450		SNA	
2456	5351		JMP	L1530
2457	4520		JMS	I PRINT
2460	0041			
2461	0000		CJ;0	
2462	5351		JMP	L1530
2463	7200	L1390,	CLA	
2464	1163		TAD	P
2465	1130		TAD	M3
2466	7450		SNA	
2467	5351		JMP	L1530
2470	4520		JMS	I PRINT
2471	0050			
2472	0000		CQ;0	
2473	5351		JMP	L1530
2474	7200	L1420,	CLA	
2475	1163		TAD	P
2476	1130		TAD	M3
2477	7450		SNA	
2500	5351		JMP	L1530
2501	4520		JMS	I PRINT
2502	0042			
2503	0000		CK;0	
2504	5351		JMP	L1530
2505	7200	L1450,	CLA	
2506	1163		TAD	P
2507	1130		TAD	M3
2510	7450		SNA	
2511	5315		JMP	L1470
2512	4520		JMS	I PRINT
2513	0030			
2514	0000		CA;0	
2515	7200	L1470,	CLA	
2516	1356		TAD	P13
2517	3145		DCA	A9
2520	1146		TAD	DCMRK
2521	7440		SZA	
2522	5600		JMP	I CTYPER
2523	4514		JMS	I NTIMES
2524	0004		4	
2525	2527		SUB3	
2526	5231		JMP	L1300
2527	0000	SUB3,	0	
2530	7200		CLA	
2531	1727		TAD	I SUB3
2532	3136		DCA	JUNK2
2533	2327		ISZ	SUB3
2534	1165		TAD	E
2535	1127		TAD	MI
2536	7106		CLL	RTL
2537	1136		TAD	JUNK2 / (E-1)*4+I
2540	1005		TAD	BLOC / B(E, I)
2541	3136		DCA	JUNK2
2542	1536		TAD	I JUNK2
2543	7450		SNA	
2544	5346		JMP	L1510
2545	5727		JMP	I SUB3

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2546 7231 L1510, CLA IAC
2547 3536 DCA I JUNK2
2550 5231 JMP L1300
2551 7200 L1530, CLA
2552 1355 TAD P12
2553 3145 DCA A9
2554 5231 JMP L1300
/
2555 0012 P12, I2
2556 0013 P13, I3
2557 7765 M13, -13
/
*2600
/
DEAL TO PLAYER
/
2600 0000 PDEALI, 0
2601 7231 CLA IAC
2602 3165 DCA E
2603 4520 HITEST, JMS I PRINT
2604 0037
2605 0040
2606 0053
2607 0102
2610 0200 CH; CI; CT; CRM; 0
2611 4523 JMS I READC
2612 3167 DCA H0
2613 1167 TAD H0
2614 7041 CMA IAC
2615 1062 TAD C0
2616 7650 SNA CLA
2617 5600 JMP I PDEALI
2620 1167 TAD H0
2621 7041 CMA IAC
2622 1045 TAD CN
2623 7650 SNA CLA
2624 5600 JMP I PDEALI
2625 1167 TAD H0
2626 7041 CMA IAC
2627 1046 TAD C0
2630 7650 SNA CLA
2631 5600 JMP I PDEALI
2632 4513 JMS I DEAL
2633 7200 CLA
2634 1152 TAD S4
2635 7041 CMA IAC
2636 1352 TAD P25
2637 7500 SMA
2640 5203 JMP HITEST
2641 7200 CLA
2642 1165 TAD E
2643 1127 TAD M1
2644 7106 CLL RTL
2645 1035 TAD ELOC
2646 3136 DCA JUNK2 /E(E,?)
2647 4514 JMS I RTIMES
2650 0004 4
2651 2653 SUB4
2652 5673 JMP I Y0

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2653	0000	SUB4,	0
2654	2136		ISZ JUNK2
2655	7200		CLA
2656	1536		TAD I JUNK2
2657	1127		TAD M1
2658	7450		SNA
2661	5264		JMP L1700
2662	2253		ISZ SUB4
2663	5653		JMP I SUB4
2664	7200	L1700,	CLA
2665	1133		TAD P2
2666	3536		DCA I JUNK2
2667	1152		TAD S4
2670	1353		TAD M12
2671	3152		DCA S4
2672	5203		JMP HITEST
/			
2673	1530	YE,	YOUB
/			
/ DEAL TO DEALER			
/			
2674	0000	DDEAL1,	0
2675	7200		CLA
2676	1133		TAD P2
2677	3155		DCA E
2700	1151		TAD S3
2701	7041		CMA IAC
2702	1351		TAD P20
2703	7710		SPA CLA
2704	5313		JMP L1790
2705	4510	DDEAL2,	JMS I DEAL
2706	7200	L1780,	CLA
2707	1354		TAD M21
2710	1151		TAD S3
2711	7710		SPA CLA
2712	5305		JMP DDEAL2
2713	1355	L1790,	TAD M26
2714	1151		TAD S3
2715	7710		SPA CLA
2716	5674		JMP I DDEAL1
2717	1155		TAD E
2720	1127		TAD M1
2721	7106		CLL RTL
2722	1005		TAD BLOC
2723	3136		DCA JUNK2
2724	4514		JMS I NTIMES
2725	0004		4
2726	2730		SUB5
2727	5750		JMP I DLB1
2730	0000	SUB5,	0
2731	2136		ISZ JUNK2
2732	7200		CLA
2733	1536		TAD I JUNK2
2734	1127		TAD M1
2735	7450		SNA
2736	5341		JMP L1850
2737	2330		ISZ SUB5
2740	5730		JMP I SUB5

2741	7200	L1850,	CLA
2742	1133		TAD P2
2743	3536		DCA I JUNK2
2744	1151		TAD S3
2745	1353		TAD M12
2746	3151		DCA S3
2747	5306		JMP L1780

		/	
2750	1631	DLB1,	DLEB
2751	0020	P20,	20
2752	0025	P25,	25
2753	7766	M12,	-12
2754	7757	M21,	-21
2755	7752	M26,	-26
		/	

A	3100
AIWIN	1366
ALOC	0003
AL740	1370
AL810	1147
AL830	1171
ANUP	0104
ARG	3617
AYWIN	1367
A0	0141
A1	0142
A2	0143
A3	0144
A9	0145
B	3270
BIG	1170
BIGBET	1673
BLOC	0005
C	3000
CA	0030
CAPOS	0100
CB	0031
CC	0032
CCR	0074
CD	0033
CDOL	0077
CE	0034
CF	0035
CG	0036
CH	0037
CHECK	1310
CI	0040
CJ	0041
CK	0042
CL	0043
CLF	0075
CLOC	0002
CM	0044
CN	0045
CNTR	3545
CO	0046
COLECT	0636
CP	0047
CPER	0101
CQ	0050
CQM.	0102
CR	0051
CS	0052
CSP	0076
CT	0053
CTR2	3544
CTYPE	0105
CTYPE1	2400

CU	0054
CV	0055
CW	0056
CX	0057
CY	0060
CZ	0061
C0	0062
C1	0063
C2	0064
C3	0065
C4	0066
C5	0067
C6	0070
C7	0071
C8	0072
C9	0073
DBKJK	1363
DCMRK	3146
DCOV	0106
DCOVI	2000
DDEAL	0107
DDEAL1	2674
DDEAL2	2705
DEAL	0110
DEALL	0111
DEAL1	1400
DEAL2	1401
DIG	3547
DIGAD	3546
DLBB	1631
DLBKJK	1474
DLBI	2750
E	0165
H	0166
HITEST	2603
H0	0167
IWIN	1554
J	0170
JUNK	0134
JUNK1	0135
JUNK2	0136
JUNK3	0137
JUNK4	3625
JUNK5	0140
K9	0147
LI050	2230
LI060	2231
LI120	2261
LI180	2313
LI300	2431
LI340	2442
LI360	2452
LI390	2463

L1420	2474
L1450	2505
L1470	2515
L1510	2546
L1530	2551
L1700	2664
L1780	2706
L1790	2713
L1850	2741
L2080	1415
L2155	1453
L2160	1460
L2180	1462
L720	1125
L740	1134
L810	1200
L830	1205
L940	1262
L950	1301
M	0161
MCR	0103
ML00P1	0432
ML00P2	0423
MM	0162
M0	0173
M1	0127
M100	2340
M12	2753
M13	2557
M15	0506
M200	2341
M21	2754
M25	1365
M26	2755
M260	3501
M3	0130
M300	2342
M4	0131
M400	2343
N	0175
NEGMON	1042
NNN	3624
NPLOOP	3512
NPLP2	3530
NPRINT	0112
NPRT1	3502
NREAD	0113
NREAD1	3452
NRLOOP	3455
NRXIT	3473
NTIMES	0114
NTIMSL	3612
NTIMSI	3600
NUDEAL	1000
NUDL	0115
NUP	1223
NUSHUF	0447

P	0163
PAY	1167
PAYEND	0634
PAYOUT	0600
PBKJK	1364
PDEAL	0116
PDEAL1	2600
PLBKJK	1600
PRCRD	0117
PRCRD1	2200
PRINT	0120
PRINT1	3400
PRLOOP	3405
PRT	0121
PRT1	3417
P1	0132
P12	2555
P13	2556
P144	0505
P15	0503
P2	0133
P20	2751
P25	2752
P260	3543
P3777	3574
P64	0504
Q	0174
Q0	0160
R	3200
RAND	0122
RAND1	3557
RDSHUF	0400
READ	0124
READC	0123
READC1	3440
READSH	0366
READ1	3424
RESHUF	0457
RLOC	0004
RSHUF	1466
R0	0164

SHUFFL	0125
SHUFL1	3626
SHUFL2	3636
START	0126
START1	0200
SUB1	1150
SUB2	1214
SUB3	2527
SUB4	2653
SUB5	2730
SUB6	1467
S3	0151
S4	0152
T	0156
V	3300
VLOC	0006
V0	0157
W	0153
WAG	1061
WAGIN	1110
WAGN	1764
W0	0154
W1	0155
X	0150
Y	3654
YB	2673
YUB	1530
YOUWIN	1653
ZZ1	3676