

REPRODUCTION

MULTI TAPE LISTER 8 BLOCK 1026A

A. PURPOSE.

TO CHECK ALIGNMENT AND OVER EDGE PRINTING.

B. LOADING PROCEDURES.

SEE GENERAL DESCRIPTION. THIS TEST CAN BE RUN ONLY FROM CARDS

C. PROGRAM CONTROL.

SEE GENERAL DESCRIPTION.

TWO ALTERATION DIGITS MAY BE USED TO CONTROL THE PROGRAM AS FOLLOWS-

- 1 IN 927 SETS THE PROGRAM FOR USE WITH 8 NARROW TAPES
- 2 IN 927 SETS THE PROGRAM FOR USE WITH 4 WIDE TAPES
- WM IN 928 CAUSES PROGRAM TO USE C.E. PORTION OF TAPE SELECT TABLE
- NO WM IN 928 CAUSES PROGRAM TO USE PRESET PORTION OF TAPE SELECT TABLE

D. TEST PROCEDURE.

FOUR TAPES ARE SELECTED BY MEANS OF THE TAPE SELECT TABLE -LOC. 964 THROUGH 1043-. EACH OF THESE TAPES IS THEN COMPLETELY LOADED A DIGIT AT A TIME WITH FOURS. THEN A PRINT OP IS PERFORMED. THIS IS REPEATED UNTIL FORTY NINE LINES HAVE BEEN PRINTED. IF THE TAPES WERE SELECTED BY THE PRESET PORTION OF THE TABLE -LOC. 964 THROUGH 1027-, THE TAPES ARE PRINTED IN THE FOLLOWING SEQUENCE -THE FIRST FOUR, THE LAST FOUR, -THEN ONLY IF NARROW TAPES- THE ODD FOUR, THE EVEN FOUR. IF THE TAPES WERE SELECTED FROM THE C.E. PORTION OF THE TABLE, -LOC. 1028 THROUGH 1043 ONLY THOSE TAPES ARE PROCESSED. NEXT A ROUTINE CHANGES THE PROGRAM TO PRINT ZEROS INSTEAD OF FOURS AND BRANCHES BACK TO DO THIS.

NOTE - TO USE THE C.E. PORTION OF THE TABLE THE N OPS SHOULD BE CHANGED TO F OPS FOR THOSE TAPES TO BE SELECTED.

E. STOPS.

INSTR.	STORAGE
ADDR.	ADDR. REG.
405	406

TO ADJUST ALTERATION DIGITS.

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F. SAMPLE PRINTOUT.

REPRODUCTION

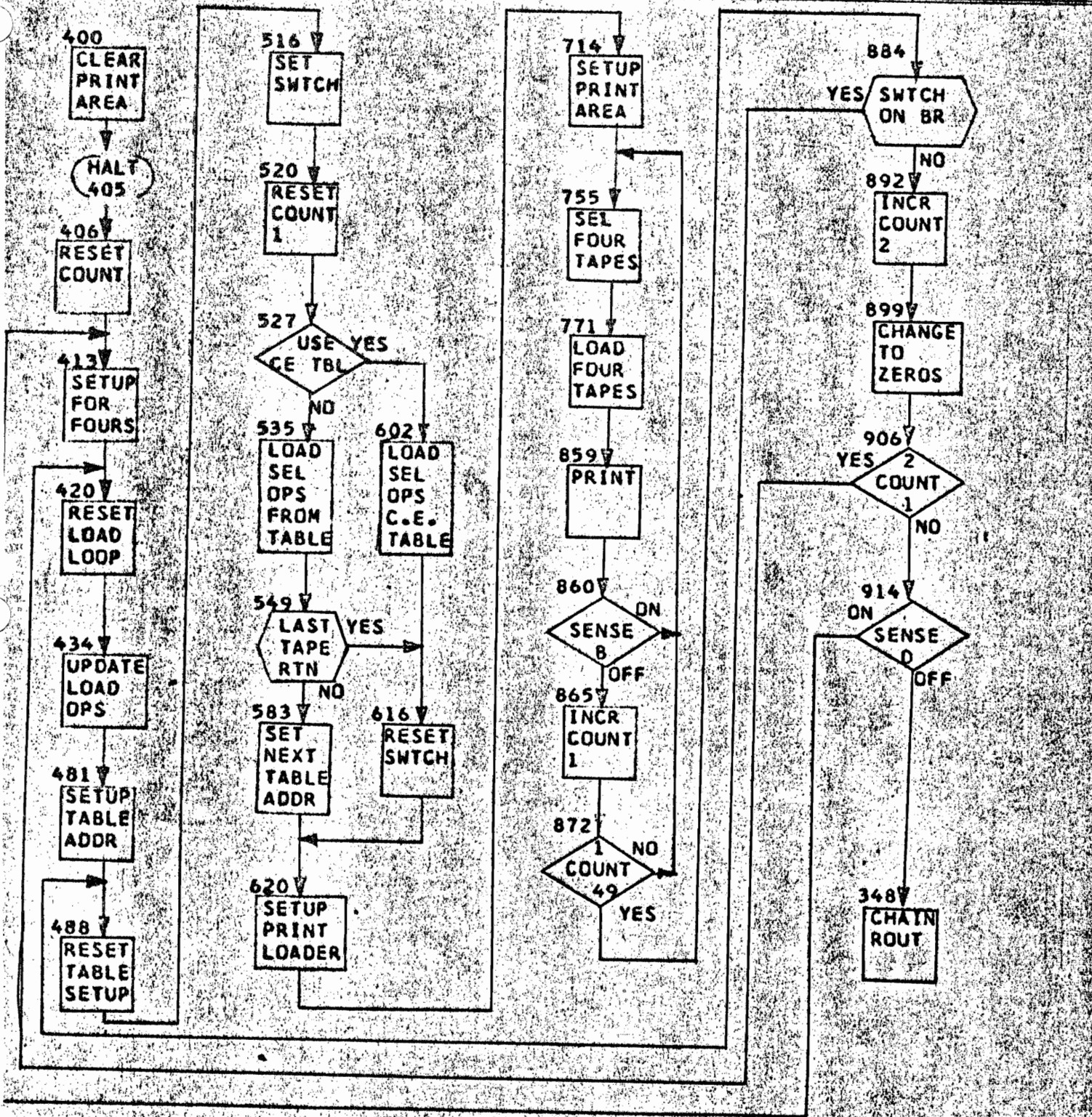
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NOTE- THIS IS A SAMPLE. THE PRINT OUT VARIES WITH THE SIZE TAPE USED. SEE THE ABOVE DESCRIPTION.

G. COMMENTS.

DUE TO THE CHARACTER OF THE PRINTER UNDER TEST, THE TITLE PRINT ROUTINE IS OMITTED.

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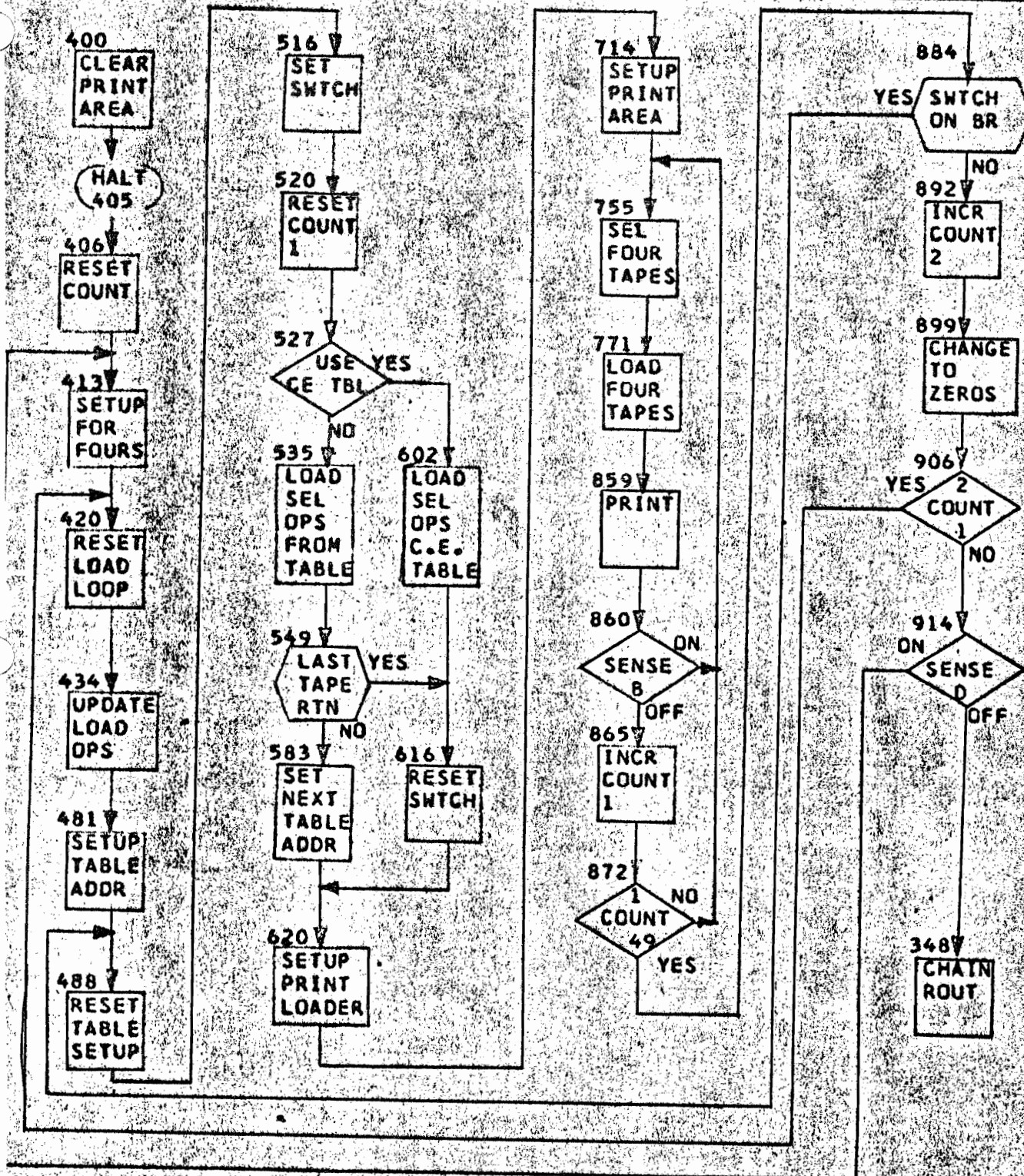
REPRODUCTION

PROGRAM LISTING FOR USE WITH FLOW CHART

MULTI TAPE LISTER B 1026A

INSTRUCTION ADDRESS	OP	A	B	REMARKS
377 377	B	389	5614	USE WHEN RUNNING FROM MAG. TAPE
385 385	B	588		::
400 400	/	332		CLEAR PRINT AREA
404 404	/			::
405 405	.			HALT
406 406	M	931	926	RESET COUNTER 2
413 413	M	943	437	SETUP TO LOAD LINE OF FOURS
420 420	M	957	447	RESET LOAD UPDATE LOOP
427 427	M	960	440	::
434 434	M	946	774	UPDATE LOAD OPS
441 441	B	481	756H	BRANCH IF FINNISHED
449 449	.	438	445	UPDATE LOOP
456 456	A	936	440	::
463 463	A	933	447	::
470 470	□	438	445	::
477 477	B	434		BR BACK
481 481	M	963	538	RESET TABLE SETUP ROUTINE
488 488	M	446	626	::
495 495	M	449	634	::
502 502	M	957	697	::
509 509	M	452	709	::
516 516	.	888		SET SWITCH TO BRANCH
520 520	M	931	925	RESET COUNTER
527 527	V	602	9281	BRANCH TO LOAD CE TABLE
535 535	M	979	770	LOAD F-OP NO-OP TABLE
542 542	M			::
543 543	M			::
544 544	M			::
545 545	M			::
546 546	M			::
547 547	M			::
548 548	M			::
549 549	B	568	9272	SETUP TO EXIT -WIDE, THIN TAPE-
557 557	M	453	582	::
564 564	B	575		::
568 568	M	454	582	::
575 575	B	616	5387	::
583 583	.	536		SETUP NEXT TABLE ADDRESS
587 587	A	938	538	::
594 594	□	536		::
598 598	B	620		BRANCH -TO SETUP PRINTER LOADER
602 602	M	443	770	LOAD CE PORTION OF TABLE

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377	377	B	389 5614	USE WHEN RUNNING FROM MAG. TAPE
385	385	B	588	..
400	400	/	332	CLEAR PRINT AREA
404	404	/		..
405	405	.		HALT
406	406	M	931 926	RESET COUNTER 2
413	413	M	943 437	SETUP TO LOAD LINE OF FOURS
420	420	M	957 447	RESET LOAD UPDATE LOOP
427	427	M	960 440	..
434	434	M	946 774	UPDATE LOAD OPS
441	441	B	481 756M	BRANCH IF FINNISHED
449	449	.	438 445	UPDATE LOOP
456	456	A	936 440	..
463	463	A	933 447	..
470	470	□	438 445	..
477	477	B	434	BR BACK
481	481	M	963 538	RESET TABLE SETUP ROUTINE
488	488	M	446 626	..
495	495	M	449 634	..
502	502	M	957 697	..
509	509	M	452 709	..
516	516	.	888	SET SWITCH TO BRANCH
520	520	M	931 925	RESET COUNTER
527	527	V	602 9281	BRANCH TO LOAD CE TABLE
535	535	M	979 770	LOAD F-OP NO-OP TABLE
542	542	M		..
543	543	M		..
544	544	M		..
545	545	M		..
546	546	M		..
547	547	M		..
548	548	M		..
549	549	B	568 9272	SETUP TO EXIT -WIDE, THIN TAPE-
557	557	M	453 582	..
564	564	B	575	..
568	568	M	454 582	..
575	575	B	616 5387	..
583	583	.	536	SETUP NEXT TABLE ADDRESS
587	587	A	939 538	..
594	594	□	536	..
598	598	B	620	BRANCH -TO SETUP PRINTER LOADER
602	602	M	443 770	LOAD CE PORTION OF TABLE

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609	609	M		
610	610	M		
611	611	M		
612	612	M		
613	613	M		
614	614	M		
615	615	M		
616	616	M	888	
620	620	B	703	755N
628	628	M	954	771
635	635	.	624	707
642	642	.	695	632
649	649	A	933	626
656	656	A	933	697
663	663	A	936	709
670	670	A	936	634
677	677	M	624	707
684	684	M	695	632
691	691	B	714	754M
699	699	B	620	
703	703	M	953	771
710	710	B	635	
714	714	/	332	
718	718	/		
719	719	B	741	9272
727	727	.	217	251
734	734	.	285	319
741	741	.	201	235
748	748	.	269	303
755	755	F	A	
757	757	F	B	
759	759	F	C	
761	761	F	D	
763	763	F	E	
765	765	F	F	
767	767	F	G	
769	769	F	H	
771	771	M	934	213
778	778	M	213	
782	782	M	934	229
789	789	M	229	
793	793	M	934	247
800	800	M	247	
804	804	M	934	263
811	811	M	263	
815	815	M	934	281
822	822	M	281	
826	826	M	934	297
833	833	M	297	
837	837	M	934	315
844	844	M	315	

SET SWITCH TO NOT BRANCH
BRANCH TO NO-OP INSTRUCTION
MOVE M INTO INSTRUCTION
UPDATE ROUTINE

BRANCH IF END
BRANCH BACK
MOVE N INTO INSTRUCTION
BRANCH BACK
SETUP PRINT AREA

SELECT FOUR TAPES

LOAD PRINT AREA

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1401 DATA PROCESSING SYSTEM
DIAGNOSTIC FUNCTION TEST

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848 848 M 934 331
855 855 M 331
859 859 2
860 860 B 755 B
865 865 A 932 925
872 872 C 925 940
879 879 B 755 /
884 884 B 488 884S
892 892 A 932 926
899 899 M 949 437
906 906 B 420 9261
914 914 B 408 0
919 919 B 348
923 923 0 00
926 926 0
927 927 1
928 928
929 929 0 00
932 932 1
933 933 2
934 934 4
935 935 1 1
937 937 1 6
939 939 4 9
941 941 9 46
944 944 9 34
947 947 9 52
950 950 9 31
953 953 N
954 954 M
955 955 7 54
958 958 7 74
961 961 9 79
964 964 F AFB FCFDNENFNGNH
980 980 N ANB NCNDFEFFFNGH
996 996 F ANB FCNDFENFFNGH
1012 +12 N AFB NCFDNEFFNGFH
1028 +28 N ANB NCNDNENFNGNH
1044 +44 7 55
1047 +47 7 71
1050 +50 7 71
1053 +53 7
1054 +54 5
012 012

PRINT
BR IF SENSE SW B ON
INC COUNTER
CHANGE PRINTOUT IF COUNT
BR BACK
SWITCH
SETUP EXIT FROM RIPPLE PRINT
CHANGE TO PRINT OS

0 ON TO REPEAT
EXIT
COUNT

CONSTANTS

CLEAR WM CARD

DNL

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DIAGNOSTIC FUNCTION TEST

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TABLE OF UNPRINTABLE CHARACTERS

LP-LEFT PARENTHESIS	12 5 8	SE-SEMICOLON	11 6 8	DE-DELTA	11 7 8
WS-WORD SEPARATOR	0 5 8	LT-LESS THAN	12 6 8	PZ-PLUS ZERO	12 0
TS-TAPE SEGMENT MARK	0 7 8	GT-GREATER THAN	6 8	TM-TAPE MARK	7 8
GM-GROUP MARK	12 7 8	MZ-MINUS ZERO	11 0	CO-COLON	5 8
RP-RIGHT PARENTHESIS	11 5 8	AP-APOSTROPHE	0 6 8		

.008015,022029,033033N	1001	MULTI TAPE LISTER B	1026A 0A
.008015,022029,033033N	1001	SET WORDMARK CARD	1026A 02
L067367,340344,348349,3573611001,008012,001100118361080A8438/340080			1026A 03
L070405,377377,385400,4044051001	B389S6148S88	/332/.	1026A 04
L067440,413420,427434,4414411001M931926M943437M957447M960440M946774			1026A 05
L072480,449456,463470,4774811001B481754H,438445A936440A9334474438445B434			1026A 06
L071519,488499,502509,5165201001M963538M+46626M+49634M957697M+52709,888			1026A 07
L058545,527535,542543,5445451001M931925V6029281M979770MMMM			1026A 08
L061574,547548,549557,5645681001MMMB5689272M+53582B575M+54582			1026A 09
L067609,583587,594598,602609100186165387,536A938538+5368620M+43770M			1026A 10
L042619,611612,613614,6156161001MMMMMM+888			1026A 11
L068655,628635,642649,6566561001B703755NM954771,624707,695632A933626			1026A 12
L067690,663670,677684,6916911001A933697A936709A936634+624707+695632			1026A 13
L068726,699703,710714,7187191001B714756HB620M953771B635/332/B7419272			1026A 14
L066760,734741,748755,7577591001,217251,285319,201235,269303FAFBFC			1026A 15
L053781,763765,767769,7717781001FDFFFFFGFHM934213M213			1026A 16
L072821,789793,800804,8118151001M934229M229M934247M247M934263M263M934281			1026A 17
L069858,826833,837844,8488551001M281M934297M297M934315M315M934331M331			1026A 18
L072898,860865,872879,884892100128755BA932925C925940B755/B488884SA932926			1026A 19
L061927,906914,919923,9269271001M949437B420926184060B34800001			1026A 20
L043938,929932,933934,9359371001 0001241116			1026A 21
L048954,941944,947950,953954100149946934952931NM			1026A 22
L072994,958981,964980+9289281001754774979FAFBFCFDNENFNGNHANBNCFDNEFFFGF			1026A 23
L065+27+995995,996+12,+28+281001HFANBFCNDFENFFGNHNAFBNCFDNEFFNGFH			1026A 24
L072+67,+44+47,+50+53,+54+541001NANBNCFDNEFNGNH75577177175			1026A 25
/333080		CLEAR WORDMARK CARD	1026A 26
.019027,031,038042B031T98GB400L046352BW04BS88		MULTI TAPE LISTER B	1026A 27

M

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