

บรรณานุกรม

ภาษาไทย

การพิสด ส.ป.๓๕๐๕กองส่งกำลังบำรุง, โรงเรียนนายทหารชั้นผู้บังคับฝูง,
รุ่นที่ ๓๑, ๒๕๑๔การเบิกพิสดหลักสูตรชั้นนายเรืออากาศ, โรงเรียนพลอากาศทหารอากาศ,
รุ่นที่ ๑๕คู่ย ชุมสาย ม.ล., สถิติศาสตร์และวิจัย, พิมพ์ครั้งที่ ๒, พระนคร,
สำนักงานสถิติกลาง สภาเศรษฐกิจแห่งชาติ, ๒๕๕๕ทัศนิตา สอนานนท์, บัตรคอมพิวเตอร์, พระนคร, ศูนย์คอมพิวเตอร์ศาสตร์
จุฬาลงกรณ์มหาวิทยาลัยนิยม ปุระคำ คร., ความรู้เบื้องต้นเกี่ยวกับคอมพิวเตอร์ประคอง กรรณสูตร, สถิติประยุกต์สำหรับครู, พิมพ์ครั้งที่ ๔, พระนคร,
ไทยวัฒนาพานิช, ๒๕๑๗ปราณีต สรสุชาติ, สถิติเบื้องต้น, พระนคร, สมาคมวิทยาศาสตร์แห่งประเทศไทย
๒๕๕๕ราชกิจจานุเบกษา เล่ม ๗๕ ตอนที่ ๖๕ ลง ๓๑ กรกฎาคม ๒๕๐๕สวัสดิ์ แสงบางปลา คร., ภาษาฟอร์แทรน ๔, โรงพิมพ์ ส.กรุงศิลป์, พระนคร,
๒๕๑๔เสนิส อุกุลพันธ์ พ.อ., ระบบข่าวสารจัดการกับเครื่องคอมพิวเตอร์

สุนทร ขำประไพ น.ศ., การใช้เครื่องคำนวณอิเล็กทรอนิกส์ช่วยแก้ปัญหาของ
ฝ่ายเสนาธิการในกองทัพอากาศ , วิทยานิพนธ์ปริญญา
 มหาบัณฑิต แผนกคอมพิวเตอร์ศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย,
 ๒๕๑๖

เอื้อน เขมะสิงคิ พล.อ.อ., การจัดฝ่ายอำนวยการระดับสูง, คำราการบรรยาย
 ของโรงเรียนเสนาธิการทหารอากาศ , สร. ๕๑๐๒

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ภาคผนวก

ใบเบิกพัสดุ						วัน-เดือน-ปี ๔ ต.ค.๖๔			
จาก		ศวก.วพ.ทอ.				ที่หนังสือของผู้เบิก ๖๔ - ๐๐๔๔			
ถึง		ส.ทอ.				ประเภทพัสดุ ๓๖๖๐ ๑	บัญชีเลขที่		
หลักฐานการเบิก		เพื่อใช้ราชการ ศวก.วพ.ทอ.				เลขงาน ๖๖			
ลำดับ	หมายเลข	ชื่อ				บัญชีหน่วย	จำนวนรอบเบิก	จำนวนส่งจ่าย	จำนวนได้รับ
		อัตราส่วน	ค้างจ่าย	คงคลัง	รอบ				
๑.	๓๖๖๐ - ๒๒๘ - ๕๓๘๑	BATTERY BA-58 1.5 V.					๕๐		
		100	0	30	20				
๒.	๓๖๖๐ - ๓๓๘ - ๕๑๒๒	BATTERY 9 V.					๒๐		
		150	0	10	10				
<p>————— จำนวน ๒ รายการ —————</p>									
ผู้ส่งจ่าย		เจ้าหน้าที่บัญชีสถิติ				สำหรับโรงงาน ก(๖)			
ยศ-ชื่อ		ของผู้จ่าย		ของผู้รับ		พัสดุดี			
วัน-เดือน-ปี		วัน-เดือน-ปี		วัน-เดือน-ปี		พัสดุชำรุด			
ยศ-ชื่อ		ตำแหน่ง				พัสดุจำหน่ายแล้ว			
ผู้ขอเบิก น.ก.						ได้ส่งพัสดุดูอย่างเดียวกันสิ้นแล้วตามใบส่งคืนที่			
		สำหรับผู้รับ				ที่หนังสือของผู้รับ			
ผู้รับ		เจ้าหน้าที่คลัง				ที่หนังสือของผู้จ่าย			
วัน-เดือน-ปี		วัน-เดือน-ปี							

*Percentage Points of the Chi-Square Distribution

v	α							
	0.995	0.99	0.975	0.95	0.05	0.025	0.01	0.005
1	0.0 ⁴ 393	0.0 ³ 157	0.0 ³ 982	0.0 ² 393	3.841	5.024	6.635	7.879
2	0.0100	0.0201	0.0506	0.103	5.991	7.378	9.210	10.597
3	0.0717	0.115	0.216	0.352	7.815	9.348	11.345	12.838
4	0.207	0.297	0.484	0.711	9.488	11.143	13.277	14.860
5	0.412	0.554	0.831	1.145	11.070	12.832	15.086	16.750
6	0.676	0.872	1.237	1.635	12.592	14.499	16.812	18.548
7	0.989	1.239	1.690	2.167	14.067	16.013	18.475	20.278
8	1.344	1.646	2.180	2.733	15.507	17.535	20.090	21.955
9	1.735	2.088	2.700	3.325	16.919	19.023	21.666	23.589
10	2.156	2.558	3.247	3.940	18.307	20.483	23.209	25.188
11	2.603	3.053	3.816	4.575	19.675	21.920	24.725	26.757
12	3.074	3.571	4.404	5.226	21.026	23.337	26.217	28.300
13	3.565	4.107	5.009	5.892	22.362	24.736	27.688	29.819
14	4.075	4.660	5.629	6.571	23.685	26.119	29.141	31.319
15	4.601	5.229	6.262	7.261	24.996	27.488	30.578	32.801
16	5.142	5.812	6.908	7.962	26.296	28.845	32.000	34.267
17	5.697	6.408	7.564	8.672	27.587	30.191	33.409	35.718
18	6.265	7.015	8.231	9.390	28.869	31.526	34.805	37.156
19	6.844	7.632	8.907	10.117	30.144	32.852	36.191	38.582
20	7.434	8.260	9.591	10.851	31.410	34.170	37.566	39.997
21	8.034	8.897	10.283	11.591	32.671	35.479	38.932	41.401
22	8.643	9.542	10.982	12.338	33.924	36.781	40.289	42.796
23	9.260	10.196	11.689	13.091	35.172	38.076	41.638	44.181
24	9.886	10.856	12.401	13.848	36.415	39.364	42.980	45.558
25	10.520	11.524	13.120	14.611	37.652	40.646	44.314	46.928
26	11.160	12.198	13.844	15.379	38.885	41.923	45.642	48.290
27	11.808	12.879	14.573	16.151	40.113	43.194	46.963	49.645
28	12.461	13.565	15.308	16.928	41.337	44.461	48.278	50.993
29	13.121	14.256	16.047	17.708	42.557	45.722	49.588	52.336
30	13.787	14.953	16.791	18.493	43.773	46.979	50.892	53.672

*Abridged from Table 8 of Biometrika Tables for Statisticians, Vol. I, by permission of E.S. Pearson and the Biometrika Trustees.

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7 REM PROGRAM TO CALCULATE REORDER POINT AND ECONOMIC ORDER QUANTITY
8 REM PROGRAMMED BY FILAIWAN PUTTARASENA
9 REM BASIC LANGUAGE
10 REM N=PARAMETER,R=REORDER POINT
20 REM T=TERMINAL VALUE OF R,I=INCREMENT VALUE OF R
30 REM L=LAMDA,E1=ERROR
40 INPUT N,R,T,I,L,E1
50 PRINT TAB(20),"FOR N=";N;"LAMDA=";L
55 PRINT
60 PRINT TAB(22),"R",TAB(15),"ALPHA"
61 PRINT
65 J1=0
70 REM ****BEGIN****
80 FOR J=R TO T STEP I
90 A=L*J
100 S1=0
110 FOR K=1 TO N
120 X=N-K
130 GOSUB 800
140 S1=S1+(A^X)/Y
150 NEXT K
155 P=0
160 P=S1*EXP(-A)
170 E=ABS(P-0.05)
180 IF E>E1 THEN 220
190 E1=E
200 J1=J
210 P1=P
220 PRINT TAB(20),J,P
230 NEXT J
240 IF J1#0 THEN 280
250 PRINT
260 PRINT TAB(40),"REORDER POINT NOT FOUND"
270 GOTO 40
280 PRINT
290 PRINT TAB(15),"REORDER POINT=";J1,
295 PRINT TAB(5),"ALPHA=";P1
300 REM ****EOQ NOW COMPUTE****
310 INPUT D,C2,C3,U
320 C1=(D*C3)*0.02
330 B=N/L
340 Q=SQR((2*D*(C1+B*EXP(-L*J1)*C2))/(C3*U))
350 PRINT
360 PRINT TAB(25),"DEMAND PER YEAR=";D
365 PRINT
370 PRINT TAB(25),"ORDERING COST =" ;C1
375 PRINT
380 PRINT TAB(25),"STOCKOUT COST =" ;C2
385 PRINT
390 PRINT TAB(25),"COST PER UNIT =" ;C3
395 PRINT
400 PRINT TAB(25),"HOLDING COST =" ;U
405 PRINT
410 PRINT TAB(30),"EOQ =" ;Q
420 END
800 REM Y=FACTORIAL(X)
810 M=X
820 IF M=0 THEN 880
830 Y=1
840 FOR I=1 TO M
850 Y=Y*I
860 NEXT I
870 GOTO 890
880 Y=1
890 RETURN

```

FOR N= 1 LAMDA= 7.27000E-03

R	ALPHA
400	0.054584790
401	0.054189398
402	0.053796670
403	0.053407185
404	0.053020322
405	0.052636262
406	0.052254934
407	0.051876468
408	0.051500694
409	0.051127641
410	0.050757291
411	0.050389624
412	0.050024620
413	0.049662260
414	0.049302524
415	0.048945395
416	0.048590852
417	0.048238677
418	0.047889452
419	0.047542559
420	0.047198177

REORDER POINT= 412 ALPHA= 0.050024620

DEMAND PER YEAR= 2938
ORDERING COST = 73.45
STOCKOUT COST = 1.5
COST PER UNIT = 1.25
HOLDING COST = 0.2
EOQ = 1403.19782


```

10 REM *INVENTORY SYSTEM SIMULATION
20 REM *PROGRAMMED BY PILAIWAN PUTTARASENA
30 REM *BASIC LANGUAGE
40 REM *R=REORDER POINT,Q=ECONOMIC ORDER QUANTITY
50 REM *T9=SIMULATION TIME,LO=LEAD TIME(CONSTANT)
60 REM *V1=BEGINING INVENTORY,K=PERCENTAGE OF STOCKOUT
70 REM *INITIALIZE SYSTEM
80 R=412
90 Q=1403
100 T9=72
110 LO=2
120 V1=500
130 C0=0
140 T=2
150 S=0
160 K=0.05
170 REM *INITIALIZE COST ACCUMULATORS
180 T1=0
190 T2=0
200 T3=0
210 READ C1,C2,C3
220 DATA 0.2,73.45,1.5
230 PRINT TAB(20),"INVENTORY SYSTEM SIMULATION"
240 PRINT
250 PRINT TAB(15),"CARRYING COST PER UNIT PER UNIT TIME=";C1
260 PRINT
270 PRINT TAB(15),"SHORTAGE COST PER UNIT PER UNIT TIME=";C3
280 PRINT
290 PRINT TAB(15),"PERCENTAGE OF STOCKOUT=";K
300 PRINT
310 PRINT TAB(15),"BEGINING INVENTORY LEVEL=";V1
320 PRINT
330 PRINT TAB(15),"TOTAL TIME PERIOD OF THE SIMULATION RUN=";T9
340 PRINT
350 PRINT TAB(15),"REORDER POINT=";K,"LOQ=";Q,"LEAD TIME=";LO
360 PRINT
370 PRINT
375 PRINT TAB(9),"TIME",TAB(29),"DEMAND",TAB(9),"INVENTORY";
376 PRINT TAB(58);"LEAD TIME"
380 PRINT TAB(46);"LEVEL"
390 PRINT
400 GOSUB 710
410 IF C0 >= T9 THEN 600
420 IF T#C0 THEN 440
430 V1=V1+Q
440 V1=V1-D
450 PRINT TAB(10),C0,D,V1,T
460 IF V1 >= 0 THEN 500
470 T3=T3-V1*C3
480 S=S+1
490 V1=0
500 T1=T1+V1*C1
510 IF R<V1 THEN 570
520 IF T>C0 THEN 570
530 T2=T2+C2
540 T=C0+LO
560 PRINT TAB(10),"*TIME AT WHICH NEW ORDER WILL BE FILLED=";T;
565 PRINT TAB(58);"LEAD TIME=";LO
570 C0=C0+1

```



```
580 GOTO 400
590 REM *SUMMALIZE COST OF 3YEAR'S OPERATION
600 E1=T1+T2+T3
610 E2=(S/T9)*100
620 PRINT
630 PRINT
640 PRINT TAB(10),"PERCENTAGE OF STOCKOUT=";E2
650 PRINT TAB(10),"TOTAL CARRYING COST=";T1
660 PRINT TAB(10),"TOTAL ORDERING COST=";T2
670 PRINT TAB(10),"TOTAL SHORTAGE COST=";T3
680 PRINT TAB(10),"TOTAL ANNUAL COST=";E1
690 END
700 REM *GENERATE RANDOM NUMBER
710 D=100*RND(1)
720 IF D<71 THEN 760
730 IF D<92 THEN 780
740 IF D<96 THEN 800
750 IF D<100 THEN 820
760 D=75
770 GOTO 830
780 D=225
790 GOTO 830
800 D=375
810 GOTO 830
820 D=525
830 RETURN
840 END
```

INVENTORY SYSTEM SIMULATION

CARRYING COST PER UNIT PER UNIT TIME= 0.2

SHORTAGE COST PER UNIT PER UNIT TIME= 1.5

PERCENTAGE OF STOCKOUT= 0.05

BEGINNING INVENTORY LEVEL= 500

TOTAL TIME PERIOD OF THE SIMULATION RUN= 72

REORDER POINT= 412 EQQ= 1403 LEAD TIME= 2

TIME	DEMAND	INVENTORY LEVEL	LEAD TIME
0		425	2
1	75	350	2
2	75	275	2
3	225	1528	2
4	75	1453	2
5	75	1378	2
6	75	1303	2
7	75	1228	2
8	75	1153	2
9	75	1078	2
10	225	1003	2
11	75	778	2
12	75	703	2
13	75	628	2
14	225	553	2
15	225	328	2
16	75	253	16
17	75	1581	16
18	75	1506	16
19	75	1431	16
20	75	1356	16
21	75	1281	16
22	225	1056	16
23	75	981	16
24	75	906	16
25	75	831	16
26	75	756	16
27	225	531	16
28	225	306	16
29	225	81	29
30	75	1409	29
31	75	1334	29
32	75	1259	29
33	75	1184	29
34	75	1109	29
35	225	884	29
36	75	809	29
37	375	434	29
38	75	359	29
39	225	134	29

*TIME AT WHICH NEW ORDER WILL BE FILLED= 16

*TIME AT WHICH NEW ORDER WILL BE FILLED= 29

*TIME AT WHICH NEW ORDER WILL BE FILLED= 39

1717
008

39									
40	75	1462	39						
41	75	1367	39						
42	525	862	39						
43	75	787	39						
44	225	562	39						
45	75	487	39						
	75	412	39						
	*TIME AT WHICH NEW ORDER WILL BE FILLED= 47 LEAD TIME= 2								
46	75	337	47						
47	75	1665	47						
48	225	1440	47						
49	75	1365	47						
50	75	1290	47						
51	225	1065	47						
52	75	990	47						
53	75	915	47						
54	225	690	47						
55	375	315	47						
	*TIME AT WHICH NEW ORDER WILL BE FILLED= 57 LEAD TIME= 2								
56	75	240	57						
57	225	1418	57						
58	75	1343	57						
59	75	1268	57						
60	75	1193	57						
61	75	1118	57						
62	75	1043	57						
63	225	818	57						
64	75	743	57						
65	225	518	57						
66	225	293	57						
	*TIME AT WHICH NEW ORDER WILL BE FILLED= 68 LEAD TIME= 2								
67	225	68	68						
68	75	1396	68						
69	525	871	68						
70	225	646	68						
71	75	571	68						

PERCENTAGE OF STOCKOUT= 0
 TOTAL CARRYING COST= 13047.6
 TOTAL ORDERING COST= 440.7
 TOTAL SHORTAGE COST= 0
 TOTAL ANNUAL COST= 13488.3

BURROUGHS B1500/B1700 COBOL COMPILER, MARK VI.1 (08/18/77 19:51)
VIL01

```

* SEQ
000010 IDENTIFICATION DIVISION.
000020 PROGRAM-ID. MASTER.
000030 AUTHOR. PILAIWAN PUTTAKASINA.
000040 DATE-COMPILED.

                                TIME 09:24 DATE 03/15/78.
000050 REMARKS. CONVERT MASTER FILE TO INDEX-SEQUENTIAL-FILE.
000060 ENVIRONMENT DIVISION.
000070 CONFIGURATION SECTION.
000080 SOURCE-COMPUTER. B3700.
000090 OBJECT-COMPUTER. B3700.
000100 INPUT-OUTPUT SECTION.
000110 FILE-CONTROL.
000120     SELECT MASTER-FILE ASSIGN TO READER.
000130     SELECT PRINT-FILE ASSIGN TO PRINTER.
000140     SELECT INDEX-SEQ-FILE ASSIGN TO DISK
000150             ORGANIZATION IS INDEXED
000160             FILE STATUS IS ERROR-STATUS
000170             RECORD KEY IS I-FSN.
000180 DATA DIVISION.
000190 FILE SECTION.
000200 FD MASTER-FILE.
000210 C1 MASTER-REC.
000220     02 FSN                                PC X(11).
000230     02 PRIORITY                            PC X(2).
000240     02 REORDER                             PC X(4).
000250     02 ONHAND                              PC X(5).
000260     02 BACK-ORDER                         PC X(5).
000270     02 HITS                                PC X(4).
000280     02 PRICE                               PC 9(6)V99.
000290     02 UNIT                               PC XX.
000300     02 DESCRP                              PC X(19).
000310 FD PRINT-FILE
000320 LABEL RECORD IS OMITTED
000330 DATA RECORD IS PRI-REC.
000340 C1 PRI-REC                                PC X(132).
000350 FD INDEX-SEQ-FILE
000360 RECORD CONTAINS 60 CHARACTERS
000370 BLOCK CONTAINS 6 RECORDS
000380 FILE CONTAINS 50 BY 600 RECORDS
000390 VALUE OF ID IS "MASTER"
000400 DATA RECORD IS INDEX-SEQ-REC.
000410 C1 INDEX-SEQ-REC.
000420     02 I-DELETE                            PC X(1).
000430     02 I-FSN                              PC X(11).
000440     02 I-PRIORITY                          PC 9(2) CMP.
000450     02 I-REORDER                          PC 9(4) CMP.
000460     02 I-ONHAND                           PC 9(5) CMP.
000470     02 I-BACK-ORDER                       PC 9(5) CMP.
000480     02 I-HITS                             PC 9(4) CMP.
000490     02 I-PRICE                           PC 9(6)V99 CMP.
000500     02 I-UNIT                             PC X(2).
000510     02 I-DESCRP                          PC X(19).
000520     02 FILLER                             PC X(13).
000530 WORKING-STORAGE SECTION.
000540 77 ERROR-STATUS                          PC XX.
000550 77 LINE-CTR                              PC 99 CMP VA 99.

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000560 C1 FILE-STATUS PC 9 VA 0.
000570 88 MORE-DATA VA 0.
000580 88 NO-MORE-DATA VA 1.
000590 01 HEADINGA.
000600 02 FILLER PC X(45) VA IS SPACE.
000610 02 HEADA PC X(29) VA IS
000620 "MASTER FILE VALIDATION ERRORS".
000630 01 HEADING-1.
000640 02 FILLER PC X(2) VA IS SPACE.
000650 02 HEADING-1-A PC X(48) VA IS
000660 "FEDERAL STOCK PRIORITY REORDER ONHAND".
000670 02 HEADING-1-B PC X(44) VA IS
000680 "BACK ORDER HIT PRICE UNIT OF".
000690 02 HEADING-1-C PC X(19) VA IS
000700 "DESCRIPTION".
000710 01 HEADING-2.
000720 02 FILLER PC X(7) VA IS SPACE.
000730 02 HEADING-2-A PC X(44) VA IS
000740 "NUMBER POINT QUANTITY".
000750 02 HEADING-2-B PC X(42) VA IS
000760 "QUANTITY COUNTER ISSUE".
000770 01 PRINT-DETAIL-REC.
000780 02 FILLER PC X(2) VA IS SPACE.
000790 02 P-FSN PC XXXBXXXBXXX.
000800 02 FILLER PC X(6) VA IS SPACE.
000810 02 P-PRIORITY PC XX.
000820 02 FILLER PC X(7) VA IS SPACE.
000830 02 P-REORDER PC XXXX.
000840 02 FILLER PC X(6) VA IS SPACE.
000850 02 P-ONHAND PC XXXX.
000860 02 FILLER PC X(7) VA IS SPACE.
000870 02 P-BACK-ORDER PC XXXX.
000880 02 FILLER PC X(6) VA IS SPACE.
000890 02 P-HITS PC XXXX.
000900 02 FILLER PC X(4) VA IS SPACE.
000910 02 P-PRICE PC ZZZ.ZZZ.99.
000920 02 FILLER PC X(7) VA IS SPACE.
000930 02 P-UNIT PC X(2).
000940 02 FILLER PC X(8) VA IS SPACE.
000950 02 P-DESCRP PC X(19).
000960 PROCEDURE DIVISION.
000970 OPEN-FILE.
000980 OPEN INPUT MASTER-FILE
000990 OUTPUT PRINT-FILE
001000 INDEX-SEQ-FILE.
001010 PROCESS-ROUT.
001020 PERFORM PROCESS-SECTION.
001030 CLOSE MASTER-FILE
001040 PRINT-FILE
001050 INDEX-SEQ-FILE WITH RELEASE.
001060 STOP RUN.
001070 HEAD-ROUT.
001080 WRITE PRT-REC FROM HEADINGA AFTER 0.
001090 WRITE PRT-REC FROM HEADING-1 AFTER 2.
001100 WRITE PRT-REC FROM HEADING-2 AFTER 1.
001110 PROCESS-SECTION SECTION.
001120 PERFORM-ROUT.
001130 PERFORM READ-ROUT UNTIL FILE-STATUS =1.
001140 GO TO EXIT-SECTION.
001150 READ-ROUT.
001160 READ MASTER-FILE AT END MOVE 1 TO FILE-STATUS.
001170 IF MORE-DATA PERFORM CHECK-ROUT.
001180 CHECK-ROUT.
001190 IF LINE-CTR GREATER THAN 55 THEN
001200 MOVE ZERO TO LINE-CTR
001210 PERFORM HEAD-ROUT.

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001220     IF FSN NUMERIC AND ONHAND NUMERIC
001230     AND BACK-ORDER NUMERIC
001240     AND PRIORITY NUMERIC
001250     AND PRICE NUMERIC THEN
001260     MOVE SPACE TO I-DELETE
001270     MOVE FSN TO I-FSN
001280     MOVE PRIORITY TO I-PRIORITY
001290     MOVE REORDER TO I-REORDER
001300     MOVE ONHAND TO I-ONHAND
001310     MOVE BACK-ORDER TO I-BACK-ORDER
001320     MOVE HITS TO I-HITS
001330     MOVE PRICE TO I-PRICE
001340     MOVE UNIT TO I-UNIT
001350     MOVE DLSCRIP TO I-DESCRP
001360     WRITE INDEX-SEC-REC INVALID KEY
001370     DISPLAY "INVALID KEY" I-FSN ERROR-STATUS
001380     ELSE
001390     NEXT SENTENCE
001400     ELSE
001410     MOVE FSN TO P-FSN
001420     MOVE PRIORITY TO P-PRIORITY
001430     MOVE REORDER TO P-REORDER
001440     MOVE ONHAND TO P-ONHAND
001450     MOVE BACK-ORDER TO P-BACK-ORDER
001460     MOVE HITS TO P-HITS
001470     MOVE PRICE TO P-PRICE
001480     MOVE UNIT TO P-UNIT
001490     MOVE DESCRIP TO P-DESCRP
001500     WRITE PRT-REC FROM PRINT-DETAIL-REC AFTER 2
001510     ADD 2 TO LINE-CTR.
001520     EXIT-SECTION.
001530     EXIT.
001540     END-OF-JOB.

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MASTER FILE VALIDATION ERRORS

FEDERAL STOCK NUMBER	PRIORITY	REORDER POINT	ONHAND QUANTITY	BACK ORDER QUANTITY	HIT COUNTER	PRICE	UNIT OF ISSUE	DESCRIPTION
7110 797 3363	02	0005	0000A	00000	0000	3.40	EA	SOCKET TUBE
5350 184 5829	07	0030	00060	00000	0000	1.36	EA	RESISTOR 18K 1/2W
7520 281 5934	04	0005	00010	00000	0000	3.46	EA	SOCKET POWER SUPPLY
7530 205 2801	03	0050	00030	00020	0070	2.40	EA	RESISTOR 27K1/2W
LLMN I-L /L/O	/	///I	///J/	/////	/00	.00	EA	RESISTOR 1K 1/8W
LLMN I-O //UK	/N	///O	/////	/////	/00	.00	EA	RESISTOR 1.5K 1/8W
LLMN KUJ LIU/	/M	///I	///00	/////	/00	.00	EA	RESISTOR 220K 1/8W
M-U/ .KL .LKU	/	///J	/////	/////	/000	.00	EA	RESISTOR 33K 1/4W
M-J/ K0/ L/L/	/	///K	///01	/////	/00	.00	EA	RESISTOR 4.7K 1/8W
MKI/ /L. M-/K	/O	///UK	///0/	/////	/00	.00	EA	CAPACITOR 120 PF
MKI/ I-U K.UM	/O	///I/	///UK/	/////	/00	.00	EA	FUSE 5A 250V
MKI/ ILJ KJM.	/8	///.	///UK	/////	/00	.00	EA	PLUG FEMALE
MKI/ 271 8890	03	0005	00015	00000	0000	2.05	AT	URE 8530
MUU/ U0J LKMH	U/	///K	///J	/////	/00	.00	EA	TUBE 8552
MUU/ .IL LM/I	/J	///L	///U/	/////	/00	.00	EA	TRANSISTOR M-9570

BURR J L GHS B1800/B1700 COBOL COMPILER, MARK VI.1 (08/18/77 19:51)
VIL05

1 SEQ
000010 IDENTIFICATION DIVISION.
000020 PROGRAM-ID. TRANSACT.
000030 AUTHOR. PILAIWAN PUTTARASENA.
000040 DATE-COMPILED. TIME 09:51 DATE 03/15/78.
000050 REMARKS. CONVERT CARD TRANSACTION FILE TO SEQUENTIAL TAPE FILE.
000060 ENVIRONMENT DIVISION.
000070 CONFIGURATION SECTION.
000080 SOURCE-COMPUTER. B1700.
000090 OBJECT-COMPUTER. B1700.
000100 INPUT-OUTPUT SECTION.
000110 FILE-CONTROL.
000120 SELECT SORT-FILE ASSIGN TO SORT DISK.
000130 SELECT IN-TRAN-FILE ASSIGN TO READER.
000140 SELECT OUT-PRINT-FILE ASSIGN TO PRINTER.
000150 SELECT OUT-SEQ-TRAN ASSIGN TO DISK.
000160 DATA DIVISION.
000170 FILE SECTION.
000180 SD SORT-FILE
000190 RECORD CONTAINS 60 CHARACTERS
000200 BLOCK CONTAINS 6 RECORDS
000210 FILE CONTAINS 50 BY 600 RECORDS
000220 DATA RECORD IS SORT-RECORD.
000230 01 SORT-RECORD.
000240 02 S-FSN PC X(11).
000250 02 S-ORDER PC X(5).
000260 02 S-PRIORITY PC X(2).
000270 02 S-DATE PC X(6).
000280 02 S-UNIT-DESIGNATOR PC X(5).
000290 02 S-VOUCHER PC X(6).
000300 02 S-DESCRIPTION PC X(21).
000310 02 FILLER PC X(4).
000320 FD IN-TRAN-FILE
000330 VALUE OF ID IS "CARDIN".
000340 01 CARD-REC.
000350 02 FSN PC X(11).
000360 02 ORDER PC X(5).
000370 02 PRIORITY PC X(2).
000380 02 DAT PC X(6).
000390 02 UNIT-DESIGNATOR PC X(5).
000400 02 VOUCHER PC X(6).
000410 02 DESCRP PC X(21).
000420 02 FILLER PC X(24).
000430 FD OUT-PRINT-FILE.
000440 01 PRT-REC PC X(132).
000450 FD OUT-SEQ-TRAN
000460 RECORD CONTAINS 60 CHARACTERS
000470 BLOCK CONTAINS 6 RECORDS
000480 FILE CONTAINS 50 BY 600 RECORDS
000490 VALUE OF ID IS "TRANSF"
000500 LABEL RECORD IS STANDARD.
000510 01 TAPE-REC PC X(60).
000520 WORKING-STORAGE SECTION.
000530 77 LINE-CTR PC 99 CMP VALUE 0.
000540 01 FILE-STATUS PC 9 VALUE 0.
000550 88 MORE-DATA VA 0.

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000560      88 NO-MORE-DATA          VA 1.
000570 01 HEADINGA.
000580      02 FILLER                  PC X(39) VA SPACE.
000590      02 HEADING-A              PC X(34) VA
000600      "TRANSACTION FILE VALIDATION ERRORS".
000610 01 HEADER-1.
000620      02 FILLER                  PC X(2) VA SPACE.
000630      02 HEADER-1-A              PC X(49) VA IS
000640      "FEDERAL STOCK          ORDER          PRIORITY
000650      02 HEADER-1-B              PC X(52) VA IS
000660      "DATE          UNIT          VOUCHER          DESCRIPTION".
000670 01 HEADER-2.
000680      02 FILLER                  PC X(8) VA SPACE.
000690      02 HEADER-2-A              PC X(35) VA IS
000700      "NUMBER          QUANTITY".
000710      02 FILLER                  PC X(16) VA SPACE.
000720      02 HEADER-2-B              PC X(20) VA IS
000730      "DESIGNATOR          NO.".
000740 01 PRINT-DETAIL-RECORD.
000750      02 FILLER                  PC X(2) VA SPACE.
000760      02 P-FSN                  PC XXXXXXXXXX.
000770      02 FILLER                  PC X(7) VA SPACE.
000780      02 P-ORDER              PC X(5).
000790      02 FILLER                  PC X(11) VA SPACE.
000800      02 P-PRIORITY            PC X(2).
000810      02 FILLER                  PC X(8) VA SPACE.
000820      02 P-DATE              PC XX/XX/XX..
000830      02 FILLER                  PC X(6) VA SPACE.
000840      02 P-UNIT                PC X(5).
000850      02 FILLER                  PC X(9) VA SPACE.
000860      02 P-VOUCHER            PC XXXXXX.
000870      02 FILLER                  PC X(6) VA SPACE.
000880      02 P-DESCRP            PC X(21).
000890      02 FILLER                  PC X(22) VA SPACE.
000900 PROCEDURE DIVISION.
000910 OPEN-FILE.
000920     OPEN IN-TRAN-FILE
000930     OUTPUT OUT-PRINT-FILE.
000940 HEADING-ROUT.
000950     WRITE PRT-REC FROM HEADINGA AFTER 0.
000960     WRITE PRT-REC FROM HEADER-1 AFTER 2.
000970     WRITE PRT-REC FROM HEADER-2 AFTER 1.
000980 SORT-ROUTINE.
000990     SORT SORT-FILE
001000     ON ASCENDING KEY S-FSN S-DATE
001010     INPUT PROCEDURE SORT-TRANSACTION
001020     GIVING OUT-SEQ-TRAN LOCK.
001030 FINAL-ROUT.
001040     CLOSE IN-TRAN-FILE OUT-PRINT-FILE.
001050     STOP RUN.
001060 SORT-TRANSACTION SECTION.
001070 OPEN-ROUT.
001080     PERFORM READ-ROUT UNTIL FILE-STATUS = 1.
001090     GO TO SORT-TRAN-EXIT.
001100 READ-ROUT.
001110     READ IN-TRAN-FILE AT END
001120     MOVE 1 TO FILE-STATUS.
001130     IF MORE-DATA THEN PERFORM CHECK-ROUT
001140     PERFORM LINE-ROUT
001150     ELSE
001160     NEXT SENTENCE.
001170 LINE-ROUT.
001180     IF LINE-CTR GREATER THAN 55 THEN
001190     MOVE ZERO TO LINE-CTR
001200     PERFORM HEADING-ROUT
001210     ELSE

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001220      NEXT SENTENCE.
001230      CHECK-ROUT.
001240      IF FSN NUMERIC
001250          AND ORDER NUMERIC
001260          AND PRIORITY NUMERIC
001270          AND DAT NUMERIC THEN
001280          RELEASE SORT-RECORD FROM CARD-REC
001290      ELSE
001300          MOVE FSN TO P-FSN
001310          MOVE ORDER TO P-ORDER
001320          MOVE PRIORITY TO P-PRIORITY
001330          MOVE DAT TO P-DATE
001340          MOVE UNIT-DESIGNATOR TO P-UNIT
001350          MOVE VOUCHER TO P-VOUCHER
001360          EXAMINE P-VOUCHER REPLACING ALL SPACE BY "-"
001370          MOVE DESCR TO P-DESCR
001380          WRITE PRT-REC FROM PRINT-DETAIL-RECORD AFTER 2
001390          ADD 2 TO LINE-CTR.
001400      SORT-TRAN-EXIT.
001410          EXIT.
001420      END-OF-JOB.

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TRANSACTION FILE VALIDATION ERRORS

FEDERAL STOCK NUMBER	ORDER QUANTITY	PRIORITY	DATE	UNIT DESIGNATOR	VOUCHER NO.	DESCRIPTION
5350 184 5829	00005	08	08/10/19	31323	19-4849	RESISTOR
5350 216 0333	00005	08	08/10/19	31323	19-4851	CAPACITOR
5350 233 4393	00005	08	08/10/19	31323	19-4870	FUSE
5350 161 9775	00005	08	08/10/19	31323	19-5182	SOCKET TUBE
5350 192 5047	00005	08	08/10/19	31323	19-4999	PLUG FEMALE
5350 111 9775	00005	08	08/10/19	31323	19-5214	TUBE 8552
5350 187 6275	00005	08	08/10/19	31323	19-5317	TUBE 6201
5350 187 6275	00005	08	08/10/19	31323	19-5314	TUBE 5963
5350 187 6279	00005	08	08/10/19	31323	19-5343	TUBE 12BH7
5350 187 6279	00005	08	08/10/19	31323	19-5376	TUBE 608
5350 187 6284	00005	08	08/10/19	31323	19-5377	TRANSISTOR
5350 259 3088	00005	08	08/10/19	31323	19-5382	SWITCH LEVER
7520 051 5031	00005	02	08/08/10	19314	32-3195	468CHOKE
8010 290 6984	00005	04	08/00/19	31325	19-5555	COIL
8010 835 7215	00001	04	08/10/19	31325	19-5554	COIL
8010 835 7215	00005	04	08/10/19	31326	19-5557	TRANSFORMER
8010 835 7215	00004	04	08/10/19	31327	19-5556	BATTERY
7520 281 5917	00007	1A	09/10/19	31322	19-5559	WIURE F NAMEL
7520 664 5197	0000A	03	10/10/19	31325	19-5627	WIRE COPPER
7520 664 5197	0000A	03	10/10/19	31325	19-5680	WIRE AWG #26

BURRLEIGHS B1300/B1700 COBOL COMPILER, MARK VI.1 (08/18/77 19:51)
 VILC2

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1 SEQ
000010 IDENTIFICATION DIVISION.
000020 PROGRAM-ID. UPDATEMASTER.
000030 AUTHOR. PILAIWAN PUTTARASENA.
000040 REMARKS.
000050 ENVIRONMENT DIVISION.
000060 CONFIGURATION SECTION.
000070 SOURCE-COMPUTER. B3700.
000080 OBJECT-COMPUTER. B3700.
000090 INPUT-OUTPUT SECTION.
000100 FILE-CONTROL.
000110 SELECT DATE-FILE ASSIGN TO READER.
000120 SELECT TRXN-FILE ASSIGN TO DISK.
000130 SELECT MASTER-FILE ASSIGN TO DISK
000140 ORGANIZATION IS INDEXED
000150 FILE STATUS IS ERROR-STATUS
000160 ACCESS MODE IS RANDOM
000170 RECORD KEY IS D-FSN.
000180 SELECT P-NOT-FOUND ASSIGN TO PRINTER.
000190 SELECT P-INSUFF ASSIGN TO PRINTER.
000200 SELECT P-UPDATL ASSIGN TO PRINTER.
000210 SELECT P-ORDER ASSIGN TO PRINTER.
000220 DATA DIVISION.
000230 FILE SECTION.
000240 FD DATE-FILE.
000250 01 DATE-FIELD PC 9(6).
000260 FD TRXN-FILE
000270 RECORD CONTAINS 60 CHARACTERS
000280 BLOCK CONTAINS 6 RECORDS
000290 FILE CONTAINS 50 BY 600 RECORDS
000300 VALUE OF ID IS "TRXNF"
000310 DATA RECORD IS DATA-TRAN.
000320 01 DATA-TRAN.
000330 03 T-FSN PC X(11).
000340 03 T-ORDER PC 9(5).
000350 03 T-PRIRTY PC 9(2).
000360 03 T-DATE PC 9(6).
000370 03 T-UNIT PC X(5).
000380 03 T-VOUCH PC X(6).
000390 03 T-DESCRIP PC X(21).
000400 03 FILLER PC XXXX.
000410 FD MASTER-FILE
000420 RECORD CONTAINS 60 CHARACTERS
000430 BLOCK CONTAINS 6 RECORDS
000440 FILE CONTAINS 50 BY 600 RECORDS
000450 VALUE OF ID IS "MASTER"
000460 DATA RECORD IS DATA-MASTER.
000470 01 DATA-MASTER.
000480 03 DELETE-CODE PC 9.
000490 03 D-FSN PC X(11).
000500 03 D-PRIRTY PC 9(2) CMP.
000510 03 D-LEVEL PC 9(4) CMP.
000520 03 D-ONHAND PC 9(5) CMP.
000530 03 D-BACK-ORDER PC 9(5) CMP.
000540 03 D-HIT PC 9(4) CMP.
000550 03 D-PRICE PC 9(6)V99 CMP.
000560 03 D-UNIT PC XX.
  
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000570		03 D-DESCRIPT	PC X(19).
000580		03 FILLER	PC X(13).
000590	FD	P-NOT-FOUND	
000600		DATA RECORD IS NO-STOCK.	
000610	01	NJ-STOCK	PC X(132).
000620	FD	P-INSUFF	
000630		DATA RECORD IS INSUFF.	
000640	01	INSUFF	PC X(132).
000650	FD	P-UPDATE	
000660		DATA RECORD IS ISSUE.	
000670	01	ISSUE	PC X(132).
000680	FD	P-ORDER	
000690		DATA RECORD IS ORDER.	
000700	01	ORDER	PC X(132).
000710		WORKING-STORAGE SECTION.	
000720	77	LINE-CTR-1	PC 99 CMP VA 99.
000730	77	LINE-CTR-2	PC 99 CMP VA 99.
000740	77	LINE-CTR-3	PC 99 CMP VA 0.
000750	77	LINE-CTR-4	PC 99 CMP VA 99.
000760	77	RESEIVE	PC 9(5) VA 0.
000770	77	DUE-OUT	PC 9(5) VA 0.
000780	77	TOTAL	PC 9(6)V99 VA 0.
000790	77	REMAIN	PC 9(5) VA 0.
000800	77	ERROR-STATUS	PC XX.
000810	77	SAVE-FSN	PC X(11).
000820	77	BALANCE	PC S9(5).
000830	77	PAGE-COUNT	PC 9(4) VA 1.
000840	77	COMMENT-NOT-FOUND	PC X(63) VA
000850		"THIS FSN IS NOT AVAILABLE	DN CURRENT ORDER FILE".
000860	77	COMMENT=INSUFF	PC X(63) VA "INSUFFICIENT PRIORITY".
000870	77	ABC	PC X(10) VA "OLD" JUST.
000880	77	XYZ	PC X(10) VA "NEW" JUST.
000890	77	TENPARY	PC 99.
000900	01	SAVE-DATE.	
000910		03 SAVE-MM	PC 99.
000920		03 SAVE-DD	PC 99.
000930		03 SAVE-YY	PC 99.
000940	01	FILE-STAT	PC 9 VA 0.
000950		88 OLD	VA 0.
000960		88 NEW	VA 1.
000970	01	AUDIT-LIST-TRAN.	
000980		03 FILLER	PC XX VA SPACES.
000990		03 AUDIT-TRAN-FSN	PC XXXXBXBXBXBX.
001000		03 FILLER	PC X(5) VA SPACES.
001010		03 AUDIT-TRAN-ORDER	PC ZZZZ9.
001020		03 AUDIT-TRAN-PRIITY	PC X(11) JUST.
001030		03 FILLER	PC X(6) VA SPACES.
001040		03 AUDIT-TRAN-DATE	PC 99/99/99.
001050		03 FILLER	PC X(6) VA SPACES.
001060		03 AUDIT-TRAN-UNIT	PC ZZZZ9.
001070		03 FILLER	PC X(5) VA SPACES.
001080		03 AUDIT-TRAN-VOUCH	PC XXXBXXXX.
001090		03 AUDIT-TRAN-DESCRIPT	PC X(26) JUST.
001100		03 AUDIT-TRAN-MESSAGE	PC X(31) VA "TRAN" JUST.
001110	01	AUDIT-LIST-MAST.	
001120		03 FILLER	PC XX VA SPACES.
001130		03 AUDIT-MAST-FSN	PC XXXXBXBXBXBX.
001140		03 AUDIT-MAST-PRIITY	PC X(8) JUST.
001150		03 FILLER	PC X(7) VA SPACES.
001160		03 AUDIT-MAST-LEVEL	PC ZZZ9.
001170		03 FILLER	PC X(6) VA SPACES.
001180		03 AUDIT-MAST-LNHAND	PC ZZZZ9.
001190		03 FILLER	PC X(7) VA SPACES.
001200		03 AUDIT-MAST-BACK-ORDER	PC ZZZZ9.
001210		03 FILLER	PC X(7) VA SPACES.
001220		03 AUDIT-MAST-HIT	PC ZZZ9.

001230	03	FILLER	PC XXX VA SPACES.
001240	03	AUDIT-MAST-PRICE	PC ZZZZ,ZZ9.99.
001250	03	AUDIT-MAST-UNIT	PC X(12) JUST.
001260	03	AUDIT-MAST-DESCRIPT	PC X(27) JUST.
001270	03	FILLER-VARY	PC X(10) VALUE SPACES JUST.
001280	01	HEAD-11.	
001290	03	FILLER PC X(55)	VA "NOT IN-STOCK LIST" JUST.
001300	03	FILLER PC X(77)	VA SPACES.
001310	01	HEAD-12.	
001320	03	FILLER PC X(16)	VA "FEDERAL STOCK" JUST.
001330	03	FILLER PC X(21)	VA "PRIORITY DATE" JUST.
001340	03	FILLER PC X(13)	VA "UNIT" JUST.
001350	03	FILLER PC X(13)	VA "VOUCH NO." JUST.
001360	03	FILLER PC X(19)	VA "ERROR COMMENT" JUST.
001370	03	FILLER PC X(50)	VA SPACES.
001380	01	HEAD-13.	
001390	03	FILLER PC X(12)	VA "NUMBER" JUST.
001400	03	FILLER PC X(41)	VA "DESIGNATOR" JUST.
001410	03	FILLER PC X(79)	VA SPACES.
001420	01	HEAD-21.	
001430	03	FILLER PC X(55)	VA "INSUFFICIENT PRIORITY LIST" JUST.
001440	03	FILLER PC X(77)	VA SPACES.
001450	01	HEAD-31.	
001460	03	END-PERIOD PC X(21)	VA "END OF PERIOD: " JUST.
001470	03	END-VALUE	PC 99/99/99.
001480	03	AUDIT-HEADER PC X(36)	VA "UPDATE AUDIT LIST" JUST.
001490	03	AUDIT-DATE	PC X(49) VA "DATE: " JUST.
001500	03	CURRENT-DATE1	PC 99/99/99.
001510	03	FILLER	PC X(10) VA SPACES.
001520	01	HEAD-32.	
001530	03	FILLER	PC X(67) VA "MASTER RECORD LAYOUT" JUST.
001540	03	FILLER	PC X(65) VA SPACES.
001550	01	HEAD-33.	
001560	03	FILLER	PC X(31) VA " FEDERAL STOCK PRIORITY ".
001570	03	FILLER	PC X(31) VA "REORDER ONHAND BACK ORDER".
001580	03	FILLER	PC X(18) VA "HIT PRICE" JUST.
001590	03	FILLER	PC X(15) VA "UNIT OF" JUST.
001600	03	FILLER	PC X(20) VA "DESCRIPTION" JUST.
001610	03	FILLER	PC X(17) VA SPACES.
001620	01	HEAD-34.	
001630	03	FILLER	PC X(11) VA "NUMBER" JUST.
001640	03	FILLER	PC X(26) VA "POINT" JUST.
001650	03	FILLER	PC X(24) VA "QUANTITY QUANTITY" JUST.
001660	03	FILLER	PC X(10) VA "COUNTER" JUST.
001670	03	FILLER	PC X(24) VA "ISSUE" JUST.
001680	03	FILLER	PC X(38) VA SPACES.
001690	01	HEAD-35.	
001700	03	FILLER	PC X(69) VA "TRANSACTION RECORD LAYOUT" JUST.
001710	03	FILLER	PC X(63) VA SPACES.
001720	01	HEAD-36.	
001730	03	FILLER	PC X(26) VA "FEDERAL STOCK ORDER" JUST.
001740	03	FILLER	PC X(22) VA "PRIORITY DATE" JUST.
001750	03	FILLER	PC X(13) VA "UNIT" JUST.
001760	03	FILLER	PC X(13) VA "VOUCHER" JUST.
001770	03	FILLER	PC X(23) VA "DESCRIPTION" JUST.
001780	03	FILLER	PC X(38) VA SPACES.
001790	01	HEAD-37.	
001800	03	FILLER	PC X(26) VA "NUMBER QUANTITY" JUST.
001810	03	FILLER	PC X(36) VA "DESIGNATOR" JUST.
001820	03	FILLER	PC X(9) VA "NUMBER" JUST.
001830	03	FILLER	PC X(59) VA SPACES.
001840	01	HEAD-38.	
001850	03	FILLER	PC X(132) VA ALL "--".
001860	01	HEAD-39.	
001870	03	AUDIT-PAGE	PC X(61) VA "PAGE " JUST.
001880	03	AUDIT-COUNT	PC ZZZ9.


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001890 01 HEAD-40.
001900 03 FILLER PC X(132) VA ALL " ".
001910 01 NOT-FOUND-INSUFF-DETAIL.
001920 03 NOTFOUND-INSUFF-FSN PC BBBXXXXBXXBXXXX.
001930 03 NOTFOUND-INSUFF-PRIFTY PC X(9) JUST.
001940 03 FILLER PC X(6) VA SPACES.
001950 03 NOTFOUND-INSUFF-DATE PC 99/99/99.
001960 03 NOTFOUND-INSUFF-UNIT PC X(12) JUST.
001970 03 FILLER PC X(3) VA SPACES.
001980 03 NOTFOUND-INSUFF-VOUCH PC XXBXXXX.
001990 03 FILLER PC X(8) VA SPACES.
002000 03 COMMENT PC X(63).
002010 01 HEAD-41.
002020 03 FILLER PC X(55) VA "ORDER LIST" JUST.
002030 03 FILLER PC X(77) VA SPACES.
002040 01 HEAD-42.
002050 03 FILLER PC X(16) VA "FEDERAL STOCK" JUST.
002060 03 FILLER PC X(22) VA "UNIT DATE" JUST.
002070 03 FILLER PC X(12) VA "VOUCHER" JUST.
002080 03 FILLER PC X(11) VA "UNIT" JUST.
002090 03 FILLER PC X(25) VA "QUANTITY QUANTITY" JUST.
002100 03 FILLER PC X(11) VA "TOTAL" JUST.
002110 03 FILLER PC X(37) VA SPACES.
002120 01 HEAD-43.
002130 03 FILLER PC X(12) VA "NUMBER" JUST.
002140 03 FILLER PC X(19) VA "DESIGNATOR" JUST.
002150 03 FILLER PC X(17) VA "NO." JUST.
002160 03 FILLER PC X(12) VA "PRICE" JUST.
002170 03 FILLER PC X(13) VA "ORDERED" JUST.
002180 03 FILLER PC X(22) VA "RECEIVED PRICE" JUST.
002190 03 FILLER PC X(38) VA SPACES.
002200 01 ORDER-LIST-DETAIL.
002210 03 FILLER PC X(3) VA SPACES.
002220 03 ORDER-L-FSN PC XXXBXXBXXXX.
002230 03 ORDER-L-UNIT PC X(13) JUST.
002240 03 FILLER PC X(3) VA SPACES.
002250 03 ORDER-L-DATE PC 99/99/99.
002260 03 FILLER PC X(2) VA SPACES.
002270 03 ORDER-L-VOUCH PC XXBXXXX.
002280 03 FILLER PC X(2) VA SPACES.
002290 03 ORDER-L-PRICE PC ZZZZ,ZZ9.99.
002300 03 FILLER PC X(4) VA SPACES.
002310 03 ORDER-L-ORDLR PC ZZZZ9.
002320 03 FILLER PC X(6) VA SPACES.
002330 03 ORDER-L-RECLIVE PC ZZZZ9.
002340 03 FILLER PC X(6) VA SPACES.
002350 03 ORDER-L-TOTAL PC ZZZZ,ZZ9.99.
002360 03 FILLER PC X(33) VA SPACES.
002370 PROCEDURE DIVISION.
002380 START-PROGRAM.
002390 OPEN INPUT TRXN-FILE
002400 INPUT DATE-FILE
002410 I-O MASTER-FILE
002420 OUTPUT P-NOT-FOUND F-INSUFF P-UPDATE P-ORDER.
002430 READ-DATE.
002440 READ DATE-FILE INTO DATE-FIELD.
002450 MOVE DATE-FIELD TO END-VALUE.
002460 CLOSE DATE-FILE RELEASE.
002470 PRT-HEAD-3.
002480 PERFORM PRINT-HEADING-3.
002490 START-1.
002500 READ TRXN-FILE AT END GO TO END-ROUT.
002510 NEXT-MASTER-RECORD-ROUTINE.
002520 MOVE T-FSN TO O-FSN.
002530 START-2.
002540 READ MASTER-FILE INVALID KEY PERFORM INPUT-ERROR

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002550      GO TO START-1.
002560      IF DELETE-CODE = 1 GO TO NEXT-MASTER-RECORD-ROUTINE.
002570      MOVE ABC TO FILLER-VARY.
002580      PERFORM OLD-MASTER-LIST.
002590      MOVE T-FSN TO SAVE-FSN.
002600      CHECK-FSN.
002610      IF T-FSN NOT = SAVE-FSN
002620          MOVE XYZ TO FILLER-VARY
002630          MOVE 1 TO FILE-STAT
002640          PERFORM OLD-MASTER-LIST
002650          GO TO NEXT-MASTER-RECORD-ROUTINE
002660      ELSE
002670          COMPUTE BALANCE = D-ONHAND - T-ORDER.
002680      IF BALANCE NOT LESS THAN D-LEVEL THEN
002690          MOVE T-ORDER TO RECEIVE
002700          COMPUTE D-ONHAND = D-ONHAND - T-ORDER
002710          PERFORM UPDATE-MASTER-ROUT
002720          GO TO CHECK-FSN
002730      ELSE
002740          IF T-PRIRTY = D-PRIRTY AND D-ONHAND > D-LEVEL
002750              PERFORM PARTIAL-2
002760              PERFORM UPDATE-MASTER-ROUT
002770              GO TO CHECK-FSN
002780          ELSE
002790              NEXT SENTENCE.
002800      IF T-PRIRTY = D-PRIRTY AND D-ONHAND NOT > D-LEVEL
002810          PERFORM INSUFFICIENT-ROUT
002820          GO TO CHECK-FSN
002830      ELSE
002840          NEXT SENTENCE.
002850      IF T-PRIRTY LESS THAN D-PRIRTY
002860          PERFORM INSUFFICIENT-ROUT
002870          GO TO CHECK-FSN
002880      ELSE
002890          NEXT SENTENCE.
002900      IF D-ONHAND NOT LESS THAN T-ORDER
002910          COMPUTE D-ONHAND = D-ONHAND - T-ORDER
002920          MOVE T-ORDER TO RECEIVE
002930          PERFORM UPDATE-MASTER-ROUT
002940          GO TO CHECK-FSN
002950      ELSE
002960          SUBTRACT D-ONHAND FROM T-ORDER GIVING DUE-OUT
002970          ADD DUE-OUT TO D-BACK-ORDER
002980          MOVE D-ONHAND TO RECEIVE
002990          MOVE 0 TO D-ONHAND
003000          PERFORM UPDATE-MASTER-ROUT
003010          GO TO CHECK-FSN.
003020      UPDATE-MASTER-ROUT.
003030      IF LINE-CTR-4 GREATER THAN 55 THEN
003040          MOVE ZERO TO LINE-CTR-4
003050          PERFORM PRINT-HEADING-4.
003060      MOVE T-FSN TO ORDER-L-FSN.
003070      MOVE T-UNIT TO ORDER-L-UNIT.
003080      MOVE T-VOUCH TO ORDER-L-VOUCH.
003090      EXAMINE ORDER-L-VOUCH REPLACING ALL SPACE BY "-".
003100      MOVE T-DATE TO ORDER-L-DATE.
003110      MOVE D-PRICE TO ORDER-L-PRICE.
003120      MOVE T-ORDER TO ORDER-L-ORDER.
003130      MOVE RECEIVE TO ORDER-L-RECEIVE.
003140      COMPUTE TOTAL = RECEIVE * D-PRICE.
003150      MOVE TOTAL TO ORDER-L-TOTAL.
003160      WRITE ORDER FROM ORDER-LIST-DETAIL AFTER 2.
003170      ADD 2 TO LINE-CTR-4.
003180      ADD 1 TO D-HIT.
003190      IF LINE-CTR-3 GREATER THAN 55 THEN
003200          MOVE PAGE-COUNT TO AUDIT-COUNT

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003210 WRITE ISSUE FROM HEAD-39 AFTER 2
003220 ADD 1 TO PAGE-COUNT
003230 MOVE ZERO TO LINE-CTR-3
003240 PERFORM PRINT-HEADING-3.
003250 MOVE T-FSN TO AUDIT-TRAN-FSN.
003260 MOVE T-ORDER TO AUDIT-TRAN-ORDER.
003270 MOVE T-PRIORITY TO AUDIT-TRAN-PRIORITY.
003280 MOVE T-DATE TO AUDIT-TRAN-DATE.
003290 MOVE T-UNIT TO AUDIT-TRAN-UNIT.
003300 MOVE T-VOUCH TO AUDIT-TRAN-VOUCH.
003310 EXAMINE AUDIT-TRAN-VOUCH REPLACING ALL SPACE BY "-".
003320 MOVE T-DESCRIP TO AUDIT-TRAN-DESCRIP.
003330 WRITE ISSUE FROM AUDIT-LIST-TRAN AFTER 1.
003340 ADD 1 TO LINE-CTR-3.
003350 REWRITE DATA-MASTER
003360 INVALID KEY DISPLAY " INVALID KEY " D-FSN.
003370 READ TRXN-FILE AT END GO TO END-ROUT.
003380 PARTIAL-2.
003390 SUBTRACT D-LEVELL FROM D-ONHAND GIVING RESEIVE.
003400 SUBTRACT RESEIVE FROM T-ORDER GIVING REMAIN.
003410 ADD REMAIN TO D-BACK-ORDER.
003420 MOVE D-LEVEL TO D-ONHAND.
003430 INSUFFICIENT-ROUT.
003440 IF LINE-CTR-2 GREATER THAN 55 THEN
003450 MOVE ZERO TO LINE-CTR-2
003460 PERFORM PRINT-HEADING-2.
003470 MOVE T-FSN TO NOTFOUND-INSUFF-FSN.
003480 MOVE T-PRIORITY TO NOTFOUND-INSUFF-PRIORITY.
003490 MOVE T-VOUCH TO NOTFOUND-INSUFF-VOUCH.
003500 EXAMINE NOTFOUND-INSUFF-VOUCH REPLACING ALL SPACE BY "-".
003510 MOVE T-DATE TO NOTFOUND-INSUFF-DATE.
003520 MOVE T-UNIT TO NOTFOUND-INSUFF-UNIT.
003530 MOVE COMMENT-INSUFF TO COMMENT.
003540 WRITE INSUFF FROM NOT-FOUND-INSUFF-DETAIL AFTER 2.
003550 ADD 2 TO LINE-CTR-2.
003560 READ TRXN-FILE AT END GO TO END-ROUT.
003570 INPUT-ERRRR.
003580 IF LINE-CTR-1 GREATER THAN 55 THEN
003590 MOVE ZERO TO LINE-CTR-1
003600 PERFORM PRINT-HEADING-1.
003610 MOVE T-FSN TO NOTFOUND-INSUFF-FSN.
003620 MOVE T-PRIORITY TO NOTFOUND-INSUFF-PRIORITY.
003630 MOVE T-VOUCH TO NOTFOUND-INSUFF-VOUCH.
003640 EXAMINE NOTFOUND-INSUFF-VOUCH REPLACING ALL SPACE BY "-".
003650 MOVE T-DATE TO NOTFOUND-INSUFF-DATE.
003660 MOVE T-UNIT TO NOTFOUND-INSUFF-UNIT.
003670 MOVE COMMENT-NOT-FOUND TO COMMENT.
003680 WRITE NO-STOCK FROM NOT-FOUND-INSUFF-DETAIL AFTER 2.
003690 ADD 2 TO LINE-CTR-1.
003700 OLD-MASTER-LIST.
003710 IF LINE-CTR-3 GREATER THAN 55 THEN
003720 MOVE PAGE-COUNT TO AUDIT-COUNT
003730 WRITE ISSUE FROM HEAD-39 AFTER 2
003740 ADD 1 TO PAGE-COUNT
003750 MOVE ZERO TO LINE-CTR-3
003760 PERFORM PRINT-HEADING-3.
003770 MOVE D-FSN TO AUDIT-MAST-FSN.
003780 MOVE D-PRIORITY TO AUDIT-MAST-PRIORITY.
003790 MOVE D-LEVEL TO AUDIT-MAST-LEVEL.
003800 MOVE D-ONHAND TO AUDIT-MAST-ONHAND.
003810 MOVE D-BACK-ORDER TO AUDIT-MAST-BACK-ORDER.
003820 MOVE D-HIT TO AUDIT-MAST-HIT.
003830 MOVE D-PRICE TO AUDIT-MAST-PRICE.
003840 MOVE D-UNIT TO AUDIT-MAST-UNIT.
003850 MOVE D-DESCRIP TO AUDIT-MAST-DESCRIP.
003860 WRITE ISSUE FROM AUDIT-LIST-MAST AFTER 2.

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003870      MOVE SPACES TO ISSUE.
003880      WRITE ISSUE AFTER 1.
003890      ADD 3 TO LINE-CTR-3.
003900      IF NEW THEN WRITE ISSUE FROM HEAD-40 AFTER 1
003910          MOVE J TO FILE-STAT
003920          ADD 1 TO LINE-CTR-3.
003930      PRINT-HEADING-1.
003940          WRITE NO-STOCK FROM HEAD-11 AFTER CHANNEL 1.
003950          WRITE NO-STOCK FROM HEAD-12 AFTER 2.
003960          WRITE NO-STOCK FROM HEAD-13 AFTER 1.
003970          ADD 4 TO LINE-CTR-1.
003980      PRINT-HEADING-2.
003990          WRITE INSUFF FROM HEAD-21 AFTER CHANNEL 1.
004000          WRITE INSUFF FROM HEAD-12 AFTER 2.
004010          WRITE INSUFF FROM HEAD-13 AFTER 1.
004020          ADD 4 TO LINE-CTR-2.
004030      PRINT-HEADING-3.
004040          MOVE TODAY'S-DATE TO SAVE-DATE.
004050          MOVE SAVE-MM TO TEMPARY.
004060          MOVE SAVE-DD TO SAVE-MM.
004070          MOVE TEMPARY TO SAVE-DD.
004080          MOVE SAVE-DATE TO CURRENT-DATE1.
004090          WRITE ISSUE FROM HEAD-31 AFTER CHANNEL 1.
004100          WRITE ISSUE FROM HEAD-32 AFTER 2.
004110          WRITE ISSUE FROM HEAD-33 AFTER 1.
004120          WRITE ISSUE FROM HEAD-33 AFTER 1.
004130          WRITE ISSUE FROM HEAD-34 AFTER 1.
004140          WRITE ISSUE FROM HEAD-35 AFTER 1.
004150          WRITE ISSUE FROM HEAD-35 AFTER 2.
004160          WRITE ISSUE FROM HEAD-38 AFTER 1.
004170          WRITE ISSUE FROM HEAD-36 AFTER 1.
004180          WRITE ISSUE FROM HEAD-37 AFTER 1.
004190          WRITE ISSUE FROM HEAD-38 AFTER 1.
004200          ADD 13 TO LINE-CTR-3.
004210      PRINT-HEADING-4.
004220          WRITE ORDER FROM HEAD-41 AFTER CHANNEL 1.
004230          WRITE ORDER FROM HEAD-42 AFTER 2.
004240          WRITE ORDER FROM HEAD-43 AFTER 1.
004250          ADD 4 TO LINE-CTR-4.
004260      END-ROUT.
004270          MOVE XYZ TO FILLER-VARY.
004280          PERFORM OLD-MASTER-LIST.
004290          MOVE PAGE-COUNT TO AUDIT-COUNT.
004300          WRITE ISSUE FROM HEAD-39 AFTER 2.
004310          CLOSE P-UPDATE P-ORDER P-NOT-FOUND P-INSUFF.
004320          CLOSE TRXN-FILE RELEASE MASTER-FILE RELEASE.
004330          STOP RUN.
004340      END-OF-JOB.

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ORDER LIST

FEDERAL STOCK NUMBER	UNIT DESIGNATOR	DATE	VOUCHER NO.	UNIT PRICE	QUANTITY ORDERED	QUANTITY RECEIVED	TOTAL PRICE
6250 194 4794	31333	06/10/19	19-0040	27.90	2	2	55.80
6250 194 4794	31335	09/10/19	19-0041	27.90	1	1	27.90
6505 153 8750	31323	06/10/19	19-0197	2.05	20	20	41.00
6505 153 8750	31326	06/10/19	19-0035	2.05	50	50	102.50
6505 153 8750	31326	06/10/19	19-0036	2.05	10	10	20.50
6505 153 8750	31324	06/10/19	19-0037	2.05	10	10	20.50
6505 153 8750	31320	09/10/19	19-0091	2.05	10	10	20.50
6505 153 8750	31329	09/10/19	19-0094	2.05	10	10	20.50
6505 153 8750	31327	09/10/19	19-0183	2.05	10	10	20.50
6505 153 8750	31325	09/10/19	19-0084	2.05	10	10	20.50
6505 153 8750	31321	10/10/19	19-0096	2.05	5	5	10.25
6505 153 8750	31322	11/10/19	19-0097	2.05	15	15	30.75
7110 264 5341	31321	06/10/19	19-0099	€1.00	3	3	183.00
7110 734 5126	31326	06/10/19	19-0231	246.00	1	1	246.00
7110 734 5126	31322	08/10/19	19-0248	246.00	5	5	1,230.00
7110 734 5126	31324	09/10/19	19-0250	246.00	6	6	1,476.00
7110 734 5126	31326	09/10/19	19-0332	246.00	1	1	246.00
7110 734 5126	31327	09/10/19	19-0403	246.00	1	1	246.00
7110 734 5126	31323	09/10/19	19-0342	246.00	1	1	246.00
7110 916 5640	31322	08/10/19	19-0762	489.00	1	1	489.00
7110 916 5640	31322	12/10/19	19-0770	489.00	1	1	489.00
7110 973 5127	31323	06/10/19	19-0789	25.50	4	4	102.00
7110 973 5127	31324	09/10/19	19-0092	25.50	10	9	229.50
7510 543 6795	31325	06/10/19	19-1092	0.67	10	0	0.00
7510 543 6795	31322	06/10/19	19-1145	0.67	20	0	0.00
7510 543 6795	31324	08/10/19	19-1154	0.67	10	0	0.00

ORDER LIST

FEDERAL STOCK NUMBER	UNIT DESIGNATOR	DATE	VOUCHER NO.	UNIT PRICE	QUANTITY ORDERED	QUANTITY RECEIVED	TOTAL PRICE
7510 543 6795	31320	10/10/19	19-1159	0.67	7	6	0.60
7520 051 5031	31325	05/10/19	19-1274	0.10	13	13	1.30
7520 051 5031	31323	08/10/19	19-1229	0.10	5	5	0.50
7520 051 5031	31327	06/10/19	19-1246	0.10	12	12	1.20
7520 051 5031	31320	08/10/19	19-1352	0.10	5	5	0.50
7520 051 5031	31328	08/10/19	19-1343	0.10	4	4	0.40
7520 051 5031	31324	08/10/19	19-1466	0.10	1	1	0.10
7520 051 5031	31321	06/10/19	19-1526	0.10	20	20	2.00
7520 116 2886	31325	10/10/19	19-1701	0.10	30	30	3.00
7520 116 2886	31322	10/10/19	19-1721	0.10	7	7	0.70
7520 116 2886	31327	10/10/19	19-1531	0.10	10	10	1.00
7520 116 2886	31324	12/10/19	19-1959	0.10	12	12	1.20
7520 116 2886	31325	12/10/19	19-2163	0.10	3	3	0.30
7520 116 2886	31323	12/10/19	19-1724	0.10	8	8	0.80
7520 141 5333	31321	08/10/19	19-3914	0.28	4	4	1.12
7520 141 5333	31320	06/10/19	19-4294	0.28	2	2	0.56
7520 141 5333	31325	05/19/19	19-4901	0.28	3	3	0.84
7520 141 5333	31327	10/10/19	19-4941	0.28	5	5	1.40
7520 141 5333	31320	11/10/19	19-8317	0.28	7	7	1.96
7520 223 6675	31320	06/09/19	19-4795	2.00	15	15	30.00
7520 223 6675	31323	06/10/19	19-5187	2.00	15	15	30.00
7520 223 6675	31325	09/10/19	19-5372	2.00	7	7	14.00
7520 230 6395	31327	08/10/19	19-5457	0.40	2	2	0.80
7520 230 6395	31324	08/10/19	19-5635	0.40	8	8	3.20
7520 281 5917	31327	06/10/19	19-0350	5.30	30	30	159.00
7520 281 5917	31324	08/10/19	19-0374	5.30	12	12	63.60

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ORDER LIST

FEDERAL STOCK NUMBER	UNIT DESIGNATOR	DATE	VOUCHER NO.	UNIT PRICE	QUANTITY ORDERED	QUANTITY RECEIVED	TOTAL PRICE
7520 281 5917	31323	08/10/19	19-0348	5.30	25	25	132.50
7520 281 5917	31322	09/10/19	19-0368	5.30	6	6	31.80
7520 281 5917	31328	09/10/19	19-0336	5.30	8	8	42.40
7520 290 6445	31324	08/10/19	19-0463	0.15	12	12	1.80
7520 290 6445	31327	08/10/19	19-1442	0.15	15	15	2.25
7520 290 6445	31325	08/10/19	19-1619	0.15	4	4	0.60
7520 290 6445	31326	08/10/19	19-1495	0.15	9	9	1.35
7520 290 6445	31328	06/10/19	19-1499	0.15	2	2	0.30
7520 290 6445	31322	08/10/19	19-1539	0.15	3	3	0.45
7520 290 6445	31323	08/10/19	19-1408	0.15	6	6	0.90
7520 290 6445	31320	08/10/19	19-1712	0.15	5	5	0.75
7520 530 7352	31332	08/10/19	19-1861	4.00	3	3	12.00
7520 530 7352	31333	08/10/19	19-1865	4.00	10	8	32.00
7520 530 7352	31330	10/10/19	19-1840	4.00	1	1	4.00
7520 728 5761	31323	08/10/19	19-1842	6.30	4	3	18.90
7530 514 9873	31325	10/10/19	19-1843	18.00	2	2	36.00
7530 767 3436	31323	08/10/19	19-1846	1,149.00	3	3	3,447.00
8010 058 1035	31323	08/10/19	19-1847	0.91	88	20	18.20
8010 721 9744	31327	08/10/19	19-1861	1.50	3	3	4.50
8010 721 9744	31325	08/10/19	19-1862	1.50	6	6	9.00
8010 721 9744	31323	09/10/19	19-1863	1.50	8	8	12.00
8010 721 9744	31322	10/10/19	19-1864	1.50	2	2	3.00
8010 721 9744	31320	12/10/19	19-1865	1.50	1	1	1.50

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INSUFFICIENT PRIORITY LIST

FEDERAL STOCK NUMBER	PRIORITY	DATE	UNIT DESIGNATOR	VOUCH NO.	ERROR COMMENT
7520 539 7352	04	08/10/19	31338	19-1424	INSUFFICIENT PRIORITY
8210 058 1035	04	09/10/19	31323	19-1828	INSUFFICIENT PRIORITY
8210 058 1035	04	10/10/19	31323	19-1852	INSUFFICIENT PRIORITY
8210 058 1035	04	11/10/19	31323	19-1851	INSUFFICIENT PRIORITY

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NOT IN-STOCK LIST

FEDERAL STOCK NUMBER	PRIORITY	DATE	UNIT DESIGNATOR	VOUCH NO.	ERROR COMMENT
6250 200 4815	03	08/10/19	31333	19-1124	THIS FSN IS NOT AVAILABLE ON CURRENT ORDER FILE
6250 215 4818	10	08/10/19	31326	19-1156	THIS FSN IS NOT AVAILABLE ON CURRENT ORDER FILE
7110 265 5341	05	08/10/19	31327	19-1160	THIS FSN IS NOT AVAILABLE ON CURRENT ORDER FILE
7110 720 5340	04	09/10/19	31323	19-1177	THIS FSN IS NOT AVAILABLE ON CURRENT ORDER FILE
7110 926 5841	10	10/10/19	31324	19-1181	THIS FSN IS NOT AVAILABLE ON CURRENT ORDER FILE
7110 927 5842	07	12/10/19	31321	19-1214	THIS FSN IS NOT AVAILABLE ON CURRENT ORDER FILE
7110 980 5855	04	12/10/19	31325	19-1315	THIS FSN IS NOT AVAILABLE ON CURRENT ORDER FILE
7520 145 5444	11	12/10/19	31320	19-1426	THIS FSN IS NOT AVAILABLE ON CURRENT ORDER FILE

END OF PERIOD: 21/03/76

UPDATE AUDIT LIST

DATE: 150378

MASTER RECORD LAYOUT

FEDERAL STOCK NUMBER	PRIORITY	REORDER POINT	ONHAND QUANTITY	BACK ORDER QUANTITY	HIT COUNTER	PRICE	UNIT OF ISSUE	DESCRIPTION
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TRANSACTION RECORD LAYOUT

FEDERAL STOCK NUMBER	ORDER QUANTITY	PRIORITY	DATE	UNIT DESIGNATOR	VOUCHER NUMBER	DESCRIPTION
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6250 194 4794	10	7	10	0	0	27.90 EA BATTERY BA-30 1.5 V OLD
6250 194 4794	2	12	08/10/19	31333	19-0040	BATTERY BA-30 1.5V
6250 194 4794	1	11	09/10/19	31335	19-0041	BATTERY BA-30 1.5V
6250 194 4794	10	7	7	0	2	27.90 EA BATTERY BA-30 1.5 V NEW

6505 153 8750	02	50	300	0	0	2.05 EA BATTERY BA-42 1.5V OLD
6505 153 8750	20	02	06/10/19	31323	19-0197	BATTERY BA-42 1.5V
6505 153 8750	50	02	08/10/19	31323	19-0035	BATTERY BA-42 1.5V
6505 153 8750	10	02	08/10/19	31326	19-0036	BATTERY BA-42 1.5V
6505 153 8750	10	02	08/10/19	31324	19-0037	BATTERY BA-42 1.5V
6505 153 8750	10	02	09/10/19	31324	19-0091	BATTERY BA-42 1.5V
6505 153 8750	10	02	09/10/19	31329	19-0094	BATTERY BA-42 1.5V
6505 153 8750	10	02	09/10/19	31327	19-0183	BATTERY BA-42 1.5V
6505 153 8750	10	02	09/10/19	31325	19-0084	BATTERY BA-42 1.5V
6505 153 8750	5	02	10/10/19	31321	19-0095	BATTERY BA-42 1.5V
6505 153 8750	15	02	11/10/19	31322	19-0097	BATTERY BA-42 1.5V
6505 153 8750	02	50	150	0	10	2.05 EA BATTERY BA-42 1.5V NEW

7110 264 5341	12	4	8	0	0	61.00 EA BATTERY BA-53 1.5 V OLD
7110 264 5341	3	12	08/10/19	31321	19-0099	BATTERY BA-58 1.5V
7110 264 5341	12	4	5	0	1	61.00 EA BATTERY BA-58 1.5 V NEW

7110 734 5126	07	15	30	0	0	246.00 EA BATTERY 9 V OLD
7110 734 5126	1	07	09/10/19	31328	19-0231	BATTERY 9V
7110 734 5126	5	08	08/10/19	31322	19-0248	BATTERY 9V
7110 734 5126	6	06	09/10/19	31324	19-0250	BATTERY 9V
7110 734 5126	1	06	09/10/19	31326	19-0332	BATTERY 9V
7110 734 5126	1	06	09/10/19	31327	19-0403	BATTERY 9V
7110 734 5126	1	06	09/10/19	31323	19-0342	BATTERY 9V

END OF PERIOD: 21/03/79

UPDATE AUDIT LIST

DATE: 150378

FEDERAL STOCK				MASTER RECORD LAYOUT				TRANSACTION RECORD LAYOUT									
FEDERAL STOCK NUMBER	PRIORITY	REORDER POINT	ONHAND QUANTITY	BACK ORDER QUANTITY	HIT COUNTER	PRICE	UNIT OF ISSUE	DESCRIPTION	FEDERAL STOCK NUMBER	PRIORITY	REORDER POINT	ONHAND QUANTITY	BACK ORDER QUANTITY	HIT COUNTER	PRICE	UNIT OF ISSUE	DESCRIPTION
7110 734 5126	07	15	15	0	6	246.00	EA	BATTERY 9 V	NEW								
7110 916 5840	12	3	4	0	0	489.00	EA	BATTERY BU601 30V	OLD								
7110 916 5840	1	12	08/10/19	31322	19-0762	BATTERY BU601 30V	EA		OLD								
7110 916 5840	1	13	12/10/19	31322	19-0770	BATTERY BU601 30V	EA		TRAN								
7110 916 5840	12	3	2	0	2	489.00	EA	BATTERY BU601 30V	NEW								

FEDERAL STOCK				TRANSACTION RECORD LAYOUT				TRANSACTION RECORD LAYOUT					
FEDERAL STOCK NUMBER	ORDER QUANTITY	PRIORITY	DATE	UNIT DESIGNATOR	VOUCHER NUMBER	DESCRIPTION	FEDERAL STOCK NUMBER	ORDER QUANTITY	PRIORITY	DATE	UNIT DESIGNATOR	VOUCHER NUMBER	DESCRIPTION
7110 973 5127	04	7	20	0	0	25.50	EA	BATTERY BU501	OLD				
7110 973 5127	4	04	08/10/19	31323	19-0769	BATTERY BU501	EA		TRAN				
7110 973 5127	10	04	09/10/19	31324	19-0092	BATTERY BU501	EA		TRAN				
7110 973 5127	04	7	7	1	2	25.50	EA	BATTERY BU501	NEW				

FEDERAL STOCK				TRANSACTION RECORD LAYOUT				TRANSACTION RECORD LAYOUT					
FEDERAL STOCK NUMBER	ORDER QUANTITY	PRIORITY	DATE	UNIT DESIGNATOR	VOUCHER NUMBER	DESCRIPTION	FEDERAL STOCK NUMBER	ORDER QUANTITY	PRIORITY	DATE	UNIT DESIGNATOR	VOUCHER NUMBER	DESCRIPTION
7510 543 6795	02	10	0	0	0	0.67	EA	BATTERY 1.3V	OLD				
7510 543 6795	10	03	08/10/19	31325	19-1092	BATTERY 1.3V	EA		TRAN				
7510 543 6795	20	03	08/10/19	31322	19-1145	BATTERY 1.3V	EA		TRAN				
7510 543 6795	10	04	09/10/19	31324	19-1154	BATTERY 1.3V	EA		TRAN				
7510 543 6795	7	03	10/10/19	31320	19-1159	BATTERY 1.3V	EA		TRAN				
7510 543 6795	02	10	0	47	4	0.67	EA	BATTERY 1.3V	NEW				

FEDERAL STOCK				TRANSACTION RECORD LAYOUT				TRANSACTION RECORD LAYOUT					
FEDERAL STOCK NUMBER	ORDER QUANTITY	PRIORITY	DATE	UNIT DESIGNATOR	VOUCHER NUMBER	DESCRIPTION	FEDERAL STOCK NUMBER	ORDER QUANTITY	PRIORITY	DATE	UNIT DESIGNATOR	VOUCHER NUMBER	DESCRIPTION
7520 051 5031	02	50	200	0	0	9.10	EA	BATTERY TYPE TR-169	OLD				
7520 051 5031	13	02	05/10/19	31325	19-1274	BATTERY TYPE TR-169	EA		TRAN				
7520 051 5031	5	02	08/10/19	31323	19-1229	BATTERY TYPE TR-169	EA		TRAN				
7520 051 5031	12	02	08/10/19	31327	19-1246	BATTERY TYPE TR-169	EA		TRAN				
7520 051 5031	5	02	08/10/19	31320	19-1352	BATTERY TYPE TR-169	EA		TRAN				
7520 051 5031	4	02	08/10/19	31328	19-1340	BATTERY TYPE TR-169	EA		TRAN				
7520 051 5031	1	02	08/10/19	31324	19-1466	BATTERY TYPE TR-169	EA		TRAN				
7520 051 5031	20	02	08/10/19	31321	19-1506	BATTERY TYPE TR-169	EA		TRAN				

MASTER RECORD LAYOUT

FEDERAL STOCK NUMBER	PRIORITY	RECORDER POINT	ONHAND QUANTITY	BACK ORDER QUANTITY	HIT COUNTER	PRICE	UNIT OF ISSUE	DESCRIPTION
7520 051 5031	02	50	140	0	7	0.10	EA	BATTERY TYPE TR-169 NEW

TRANSACTION RECORD LAYOUT

FEDERAL STOCK NUMBER	ORDER QUANTITY	PRIORITY	DATE	UNIT DESIGNATOR	VOUCHER NUMBER	DESCRIPTION
7520 116 2866	02	50	200	0	0	BATTERY 4.5V N0523 OLD
7520 116 2866	30	02	10/10/19	31325	19-1701	BATTERY 4.5V NC.523 TRAN
7520 116 2866	7	02	10/10/19	31322	19-1721	BATTERY 4.5V NC.523 TRAN
7520 116 2866	10	02	10/10/19	31327	19-1531	BATTERY 4.5V NC.523 TRAN
7520 116 2866	12	02	12/10/19	31324	19-1959	BATTERY 4.5V NC.523 TRAN
7520 116 2866	3	02	12/10/19	31320	19-1162	BATTERY 4.5V NC.523 TRAN
7520 116 2866	8	02	12/10/19	31323	19-1724	BATTERY 4.5V NC.523 TRAN
7520 116 2866	02	50	131	0	6	BATTERY 4.5V N0523 NEW

7520 141 5333	02	15	32	0	0	0.28	EA	BATTERY 200/U 6V OLD
7520 141 5333	4	03	08/10/19	31321	19-3304	BATTERY 200/U 6V TRAN		
7520 141 5333	1	03	08/10/19	31320	19-4294	BATTERY 200/U 6V TRAN		
7520 141 5333	3	03	09/19/19	31325	19-4301	BATTERY 200/U 6V TRAN		
7520 141 5333	5	02	10/10/19	31327	19-4241	BATTERY 200/U 6V TRAN		
7520 141 5333	7	03	11/10/19	31328	19-8017	BATTERY 200/U 6V TRAN		

7520 223 6675	03	20	50	0	0	2.00	EA	WIRE ENAMEL #11 OLD
7520 223 6675	15	03	03/09/19	31320	19-4795	WIRE FNAMEL #11 TRAN		
7520 223 6675	20	03	08/10/19	31323	19-5187	WIRE FNAMEL #11 TRAN		
7520 223 6675	7	04	09/10/19	31325	19-5372	WIRE FNAMEL #11 TRAN		

7520 230 6395	02	15	31	0	0	0.40	EA	WIRE ENAMEL #12 OLD
7520 230 6395	2	03	08/10/19	31327	19-5457	WIRE FNAMEL #12 TRAN		

END OF PERIOD: 21/03/78

UPDATE AUDIT LIST

DATE: 150378

FEDERAL STOCK NUMBER	PRIORITY	REORDER POINT	ONHAND QUANTITY	BACK ORDER QUANTITY	HIT COUNTER	PRICE	UNIT OF ISSUE	DESCRIPTION
7520 728 5761	08	08	08/10/19	31323	19-1842	WIRE COPPER 0 0.125	EA	WIRE COPPER 0 0.125
7520 728 5761	10	10	0	8	1	6.30	EA	WIRE COPPER 0 0.125
7530 514 9373	20	20	20	0	0	18.00	EA	COAXIAL CABLE RG-21
7530 514 9873	10	10	10/10/19	31325	19-1843	COAXIAL CABLE RG-213/	EA	COAXIAL CABLE RG-21
7530 514 9873	20	20	18	0	1	18.00	EA	COAXIAL CABLE RG-21
7530 767 3436	08	2	3	0	0	1,149.00	EA	WIRE AWG #26
7530 767 3436	10	10	08/10/19	31323	19-1846	WIRE AWG #26	EA	WIRE AWG #26
7530 767 3436	08	2	0	0	1	1,149.00	EA	WIRE AWG #26
8010 058 1035	04	10	30	0	0	0.91	EA	WIRE AWG #26
8010 058 1035	04	04	08/10/19	31323	19-1847	WIRE AWG #26	EA	WIRE AWG #26
8010 058 1035	04	10	10	68	1	0.91	EA	WIRE AWG #26
8010 721 9744	04	10	30	0	0	1.50	EA	WIRE AWG #26
8010 721 9744	04	04	08/10/19	31327	19-1861	WIRE AWG #26	EA	WIRE AWG #26
8010 721 9744	04	04	08/10/19	31325	19-1862	WIRE AWG #26	EA	WIRE AWG #26
8010 721 9744	04	04	09/10/19	31323	19-1863	WIRE AWG #26	EA	WIRE AWG #26
8010 721 9744	04	04	10/10/19	31322	19-1864	WIRE AWG #26	EA	WIRE AWG #26
8010 721 9744	04	04	12/10/19	31320	19-1865	WIRE AWG #26	EA	WIRE AWG #26
8010 721 9744	04	10	10	0	5	1.50	EA	WIRE AWG #26

TRANSACTION RECORD LAYOUT

FEDERAL STOCK NUMBER	ORDER QUANTITY	PRIORITY	DATE	UNIT DESIGNATOR	VOUCHER NUMBER	DESCRIPTION	TRAN
7520 728 5761	4	08	08/10/19	31323	19-1842	WIRE COPPER 0 0.125	TRAN
7520 728 5761	06	10	0	8	1	6.30	TRAN
7530 514 9373	03	20	20	0	0	18.00	TRAN
7530 514 9873	2	10	10/10/19	31325	19-1843	COAXIAL CABLE RG-213/	TRAN
7530 514 9873	03	20	18	0	1	18.00	TRAN
7530 767 3436	08	2	3	0	0	1,149.00	TRAN
7530 767 3436	3	10	08/10/19	31323	19-1846	WIRE AWG #26	TRAN
7530 767 3436	08	2	0	0	1	1,149.00	TRAN
8010 058 1035	04	10	30	0	0	0.91	TRAN
8010 058 1035	88	04	08/10/19	31323	19-1847	WIRE AWG #26	TRAN
8010 058 1035	04	10	10	68	1	0.91	TRAN
8010 721 9744	04	10	30	0	0	1.50	TRAN
8010 721 9744	3	04	08/10/19	31327	19-1861	WIRE AWG #26	TRAN
8010 721 9744	6	04	08/10/19	31325	19-1862	WIRE AWG #26	TRAN
8010 721 9744	8	04	09/10/19	31323	19-1863	WIRE AWG #26	TRAN
8010 721 9744	2	04	10/10/19	31322	19-1864	WIRE AWG #26	TRAN
8010 721 9744	1	04	12/10/19	31320	19-1865	WIRE AWG #26	TRAN
8010 721 9744	04	10	10	0	5	1.50	TRAN

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000001 $SEQ
000002 IDENTIFICATION DIVISION.
000003 PROGRAM-ID. ADD-JEL-MASTER.
000004 AUTHOR. PILAIWAN PUTTARASENA.
000005 REMARKS. ADD AND DELETE RECORD TO MASTER FILE.
000006 ENVIRONMENT DIVISION.
000007 CONFIGURATION SECTION.
000008 SOURCE-COMPUTER. B1700.
000009 OBJECT-COMPUTER. B1700.
000010 INPUT-OUTPUT SECTION.
000011 FILE-CONTROL.
000012 SELECT ADD-FILE ASSIGN TO READER.
000013 SELECT MASTER-FILE ASSIGN TO DISK
000014 ORGANIZATION IS INDEXED
000015 FILE STATUS IS ERFOR-STATUS
000016 ACCESS MODE IS RANDOM
000017 RECORD KEY IS D-FSN.
000018 SELECT R-DELETE ASSIGN TO PRINTER.
000019 SELECT P-ERROR ASSIGN TO PRINTER.
000020 DATA DIVISION.
000021 FILE SECTION.
000022 FD ADD-FILE.
000023 01 ADD-RECORD.
000024 03 A-FSN PC X(11).
000025 03 A-PRIORITY PC X(2).
000026 03 A-LEVEL PC X(4).
000027 03 A-ONHAND PC X(5).
000028 03 A-BACK-ORDER PC X(5).
000029 03 A-HIT PC X(4).
000030 03 A-PRICE PC 9(6)V99.
000031 03 A-UNIT PC X(2).
000032 03 A-DESCRIPT PC X(19).
000033 FD MASTER-FILE
000034 RECORD CONTAINS 60 CHARACTERS
000035 BLOCK CONTAINS 6 RECORDS
000036 FILE CONTAINS 50 BY 600 RECORDS
000037 VALUE OF ID IS "MASTER"
000038 DATA RECORD IS DATA-MASTER.
000039 01 DATA-MASTER.
000040 03 DELETE-CODE PC 9.
000041 03 D-FSN PC X(11).
000042 03 D-PRIORITY PC 9(2) CMP.
000043 03 D-LEVEL PC 9(4) CMP.
000044 03 D-ONHAND PC 9(5) CMP.
000045 03 D-BACK-ORDER PC 9(5) CMP.
000046 03 D-HIT PC 9(4) CMP.
000047 03 D-PRICE PC 9(6)V99 CMP.
000048 03 D-UNIT PC XX.
000049 03 D-DESCRIPT PC X(19).
000050 03 FILLER PC X(13).
000051 FD R-DELETE
000052 DATA RECORD IS DELETE-1.
000053 01 DELETE-1 PC X(132).
000054 FD P-ERROR
000055 DATA RECORD IS ERRORS.
000056 01 ERRORS PC X(132).
000057 WORKING-STORAGE SECTION.
000058 77 TOTAL-1 PC 9(5) VA 0.

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000035 77 TOTAL-2 PC 9(5) VA 0.
000036 77 ERROR-STATUS PC XX.
000037 77 LINE-CTR-1 PC 99 CMP VA 99.
000038 77 LINE-CTR-2 PC 99 CMP VA 99.
000039 01 HEAD-11.
000040 03 FILLER PC X(55) VA "DELETE RECORD LIST" JUST.
000041 03 FILLER PC X(77) VA SPACES.
000042 01 HEAD-12.
000043 03 FILLER PC X(50) VA
000044 "FEDERAL STOCK PRIORITY REORDER ONHAND " JUST.
000045 03 FILLER PC X(44) VA
000046 "BACK ORDER HIT PRICE UNIT OF".
000047 03 FILLER PC X(19) VA "DESCRIPTION" JUST.
000048 01 HEAD-13.
000049 03 FILLER PC X(51) VA
000050 "NUMBER POINT QUANTITY " JUST.
000051 03 FILLER PC X(42) VA
000052 "QUANTITY COUNTER ISSUE".
000053 01 HEAD-21.
000054 03 FILLER PC X(55) VA "MASTER FILE VALIDATION ERROR" JUST.
000055 03 FILLER PC X(77) VA SPACES.
000056 01 PRINT-DETAIL-RECORD.
000057 03 P-DELETE PC 9(2) VA SPACES.
000058 03 P-FSN PC XXXXBXXXBXXXX.
000059 03 FILLER PC X(6) VA SPACES.
000060 03 P-PRIRTY PC XX.
000061 03 FILLER PC X(7) VA SPACES.
000062 03 P-LEVEL PC XXXX.
000063 03 FILLER PC X(6) VA SPACES.
000064 03 P-ONHAND PC XXXXX.
000065 03 FILLER PC X(7) VA SPACES.
000066 03 P-BACK-ORDER PC XXXXX.
000067 03 FILLER PC X(6) VA SPACES.
000068 03 P-HIT PC XXXX.
000069 03 FILLER PC X(4) VA SPACES.
000070 03 P-PRICE PC ZZZZZZZZ.99.
000071 03 FILLER PC X(7) VA SPACES.
000072 03 P-UNIT PC X(2).
000073 03 FILLER PC X(6) VA SPACES.
000074 03 P-DESCRIPT PC X(19).
000075 01 PRINT-TOTAL.
000076 03 FILLER PC X(20) VA "TOTAL" JUST.
000077 03 TOT PC ZZZZZZ.
PROCEDURE DIVISION.
START-PROGRAM.
OPEN INPUT ADD-FILE
I-O MASTER-FILE
OUTPUT R-DELETE P-ERROR.
START-1.
READ ADD-FILE AT END GO TO END-ROUT.
MOVE A-FSN TO D-FSN.
START-2.
READ MASTER-FILE INVALID KEY DISPLAY "INVALID KEY(1)" D-FSN
ERROR-STATUS PERFORM ADDITION-ROUT
GO TO START-1.
MOVE 1 TO DELETE-CODE.
REWRITE DATA-MASTER INVALID KEY DISPLAY "INVALID KEY(2)"
D-FSN GO TO START-1.
PERFORM DELETE-ROUT.
GO TO START-1.
ADDITION-ROUT.
IF LINE-CTR-1 GREATER THAN 55 THEN
MOVE 1 TO LINE-CTR-1
PERFORM HEADING-1.
IF A-FSN NUMERIC AND A-LEVEL NUMERIC
AND A-ONHAND NUMERIC

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000125 AND A-BACK-ORDER NUMERIC
000126 AND A-PRICE NUMERIC THEN
000127 MOVE C TO DELETE-CODE
000128 MOVE A-FSN TO D-FSN
000129 MOVE A-PRIORITY TO D-PRIORITY
000130 MOVE A-LEVEL TO D-LEVEL
000131 MOVE A-ONHAND TO D-ONHAND
000132 MOVE A-BACK-ORDER TO D-BACK-ORDER
000133 MOVE A-HIT TO D-HIT
000134 MOVE A-PRICE TO D-PRICE
000135 MOVE A-UNIT TO D-UNIT
000136 MOVE A-DESCRIPT TO D-DESCRIPT
000137 WRITE DATA-MASTER INVALID KEY
000138 DISPLAY "INVALID KEY(3)" D-FSN ERROR-STATUS
000139 GO TO START-1
000140 ELSE
000141 NEXT SENTENCE
000142 ELSE
000143 MOVE C TO P-DELETE
000144 MOVE A-FSN TO P-FSN
000145 MOVE A-PRIORITY TO P-PRIORITY
000146 MOVE A-LEVEL TO P-LEVEL
000147 MOVE A-ONHAND TO P-ONHAND
000148 MOVE A-BACK-ORDER TO P-BACK-ORDER
000149 MOVE A-HIT TO P-HIT
000150 MOVE A-PRICE TO P-PRICE
000151 MOVE A-UNIT TO P-UNIT
000152 MOVE A-DESCRIPT TO P-DESCRIPT
000153 WRITE ERRORS FROM PRINT-DETAIL-RECORD AFTER 2
000154 ADD 2 TO LINE-CTR-1
000155 ADD 1 TO TOTAL-1.
000156 DELETE-ROUT.
000157 IF LINE-CTR-2 GREATER THAN 55 THEN
000158 MOVE C TO LINE-CTR-2
000159 PERFORM HEADING-2.
000160 MOVE DELETE-CODE TO P-DELETE.
000161 MOVE D-FSN TO P-FSN.
000162 MOVE D-PRIORITY TO P-PRIORITY.
000163 MOVE D-LEVEL TO P-LEVEL.
000164 MOVE D-ONHAND TO P-ONHAND.
000165 MOVE D-BACK-ORDER TO P-BACK-ORDER.
000166 MOVE D-HIT TO P-HIT.
000167 MOVE D-PRICE TO P-PRICE.
000168 MOVE D-UNIT TO P-UNIT.
000169 MOVE D-DESCRIPT TO P-DESCRIPT.
000170 WRITE DELETE-1 FROM PRINT-DETAIL-RECORD AFTER 2.
000171 ADD 2 TO LINE-CTR-2.
000172 ADD 1 TO TOTAL-2.
000173 HEADING-1.
000174 WRITE ERRORS FROM HEAD-21 AFTER 0.
000175 WRITE ERRORS FROM HEAD-12 AFTER 2.
000176 WRITE ERRORS FROM HEAD-13 AFTER 1.
000177 ADD 4 TO LINE-CTR-1.
000178 HEADING-2.
000179 WRITE DELETE-1 FROM HEAD-11 AFTER 0.
000180 WRITE DELETE-1 FROM HEAD-12 AFTER 2.
000181 WRITE DELETE-1 FROM HEAD-13 AFTER 1.
000182 ADD 4 TO LINE-CTR-2.
000183 END-ROUT.
000184 MOVE TOTAL-2 TO TOT.
000185 WRITE DELETE-1 FROM PRINT-TOTAL AFTER 2.
000186 MOVE TOTAL-1 TO TOT.
000187 WRITE ERRORS FROM PRINT-TOTAL AFTER 2.
000188 CLOSE ADD-FILE RELEASE MASTER-FILE RELEASE.
000189 CLOSE R-DELETE P-LRDF.
000190 STOP RUN.

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DELETE RECORD LIST

FEDERAL STOCK NUMBER	PRIORITY	REORDER POINT	ON HAND QUANTITY	BACK ORDER QUANTITY	HIT COUNTER	PRICE	UNIT OF ISSUE	DESCRIPTION
017110 734 5126	07	0015	00015	00000	0006	246.00	EA	BATTERY 9 V
017110 916 5840	12	0003	00002	00000	0002	489.00	EA	BATTERY BU601 30V
017110 947 3197	08	0007	00008	00000	0000	0.00	EA	TRANSISTOR M9651
017520 281 5917	03	0020	00069	00000	0005	5.30	EA	SUPER WIRE D 0.65MM
017520 290 6445	04	0020	00024	00000	0008	0.15	EA	WIRE WD1/TT

TOTAL 5

7007 0006

MASTER FILE VALIDATION ERROR

FEDERAL STOCK NUMBER	PRIORITY	REORDER POINT	ONHAND QUANTITY	BACK ORDER QUANTITY	HIT COUNTER	PRICE	UNIT OF ISSUE	DESCRIPTION
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TOTAL 0

200 1117

ประวัติการศึกษา

เรืออากาศโทหญิง พิไลวรรณ ภัทรเสน จบปริญญาตรีทางวิทยาศาสตร์ สาขาวิชาคณิตศาสตร์ จากจุฬาลงกรณ์มหาวิทยาลัย เมื่อ พ.ศ. ๒๕๑๘ ปัจจุบันรับราชการในตำแหน่ง ประจำหมวดสถิติทั่วไป แผนกบริการสถิติ กองวิเคราะห์สถิติและการดำเนินงาน กรมการเงินทหารอากาศ และนายทหารวิเคราะห์และพัฒนาระบบ กองเครื่องจักรและคำนวณ ศูนย์วิจัยระบบและคำนวณ สถาบันวิจัยและพัฒนาการกองทัพอากาศ.