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PPPPPPPP RRRRRRRR 000000 BBBB BBBB 222222
PPPPPPPP RRRRRRRR 000000 BBBB BBBB 222222
PP PP RR RR 00 00 BB BB 22 22
PP PP RR RR 00 00 BB BB 22 22
PP PP RR RR 00 00 BB BB 22 22
PP PP RR RR 00 00 BB BB 22 22
PPPPPPPP RRRRRRRR 00 00 BBBB BBBB 22
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PP RR RR 00 00 BB BB 22
PP RR RR 00 00 BB BB 22
PP RR RR 00 00 BB BB 22
PP RR RR 000000 BBBB BBBB 2222222222
PP RR RR 000000 BBBB BBBB 2222222222

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44 44 000000 000000 44 44 000000 5555555555
44 44 000000 000000 44 44 000000 5555555555
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44 000000 000000 44 000000 555555
44 000000 000000 44 000000 555555

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BBBB U UN N DDDD Y Y AAA
B B U UN ND D Y Y A A
B B U UNN ND D Y Y A A
BBBB U UNN ND D Y A A A
B B U UN NN D D Y A A A A
B B U UN ND D Y A A
BBBB UUUU N N DDDD Y A A

```

LPTSPL VERSION 6(344) RUNNING ON LPT500
START USER BUNDY A [400,405] JOB MECH1 SEQ. 3381 DATE 19-NOV-75 17:14:58 MONITOR NETMON 5.07B V3 (AUG 12 T *START*
REQUEST CREATED: 19-NOV-75 17:16:10
FILE: DSKA2:PROB2[400,422] CREATED: 18-NOV-75 16:53:00 <155> PRINTED: 19-NOV-75 17:16:10
QUEUE SWITCHES: /PRINT:ARROW /FILE:ASCII /COPIES:1 /SPACING:1 /LIMIT:29 /FORMS:NORMAL

*****,
* PROB2.
* PROLOG ELECTRIC CAR PROBLEM, P20,N09.
* STAGE 5.
* G LUGER OCT 1975.
*****.

+TFLAG.

+GIVEN(NIL).

+STANDSYS(SYS).

+STANDUNIT(L,FT,SYS) -/.

+STANDUNIT(T,MINS,SYS) -/.

+STANDUNIT(*U,*U,*SYS) -ISCONST(*U) -/.

+STANDUNIT(*D,*U,*SYS) -UNIV(*D,*S,*ARGS)
-LSTANDUNIT(*ARGS,*UARGS,*SYS) -UNIV(*U,*S,*UARGS).

+LSTANDUNIT(NIL,NIL,*SYS).

+LSTANDUNIT(*D,*DL,*U,*UL,*SYS) -STANDUNIT(*D,*U,*SYS)
-LSTANDUNIT(*DL,*UL,*SYS).

+SEGMENT(EPISODE,PERIOD1.PERIOD2.PERIOD3.NIL).

+PERIOD(PERIOD1).

+PERIOD(PERIOD2).

+PERIOD(PERIOD3).

+PERIOD(EPISODE).

+DURATION(PERIOD1,TI1).

+DURATION(PERIOD2,TI2).

+DURATION(PERIOD3,TI3).

+DURATION(EPISODE,TI0).

+INITIAL (PERIOD1, DEPARTURE).
+INITIAL (PERIOD2, CHANGE1).
+INITIAL (PERIOD3, CHANGE2).
+INITIAL (EPISODE, DEPARTURE).
+FINAL (PERIOD1, CHANGE1).
+FINAL (PERIOD2, CHANGE2).
+FINAL (PERIOD3, ARRIVAL).
+FINAL (EPISODE, ARRIVAL).
+MOMENT (DEPARTURE).
+MOMENT (CHANGE1).
+MOMENT (CHANGE2).
+MOMENT (ARRIVAL).

+DISTANCE (CAR, D1, PERIOD1).
+DISTANCE (CAR, D2, PERIOD2).
+DISTANCE (CAR, D3, PERIOD3).
+DISTANCE (CAR, D0, EPISODE).

+VEL (CAR, ZERO, DEPARTURE).
+VEL (CAR, ZERO, ARRIVAL).
+VEL (CAR, V, PERIOD2).
+VEL (CAR, V, CHANGE1).
+VEL (CAR, V, CHANGE2).

+ACCEL (CAR, A1, PERIOD1).
+ACCEL (CAR, ZERO, PERIOD2).
+ACCEL (CAR, A3, PERIOD3).

+MEASURE (ZERO, 0).
+MEASURE (TI1, 10).

+MEASURE(T12,T2).

+MEASURE(T13,T3).

+MEASURE(T10,T0).

+MEASURE(D1,100).

+MEASURE(D2,X2).

+MEASURE(D3,50).

+MEASURE(D0,500).

+MEASURE(A1,Y1).

+MEASURE(A3,Y3).

+MEASURE(V,Z).

+CONST(Y1).

+CONST(Y3).

+CONST(Z).

+UNIT(ZERO,*W).

+UNIT(T11,SECS).

+UNIT(T12,SECS).

+UNIT(T13,SECS).

+UNIT(T10,SECS).

+UNIT(D1,FT).

+UNIT(D2,FT).

+UNIT(D3,FT).

+UNIT(D0,YDS).

+UNIT(A1,FT/SECS:2).

+UNIT(A3,FT/SECS:2).

+UNIT(V,FT/SECS).

+DIRECTION(ZERO,*U,*V).

+DIRECTION(V,0,0).

+DIRECTION(A1,0,0).

+DIRECTION(A3,0,0).

+GO1 -FIND(TI0.NIL,*ANS).

+GO -FIND(V.NIL,*ANS).

+FIN.