HASIL OLAHAN LINDO

ROKOK DJIRAK SUPER

SEMESTER I TAHUN 1994

```
MIN       2 X12 + 4 X13 + 6 X14 + 8 X15 + 10 X16 + 12 X17
      + 50594 X21 + 50596 X22 + 50598 X23 + 50600 X24 + 50602 X25
      + 50604 X26 + 50606 X27 + 51116 X31 + 51118 X32 + 51120 X33
      + 51122 X34 + 51124 X35 + 51126 X36 + 51128 X37 + 50594 X42
      + 50596 X43 + 50598 X44 + 50600 X45 + 50602 X46 + 50604 X47
      + 50594 X53 + 50596 X54 + 50598 X55 + 50600 X56 + 50602 X57
      + 50594 X64 + 50596 X65 + 50598 X66 + 50600 X67 + 50594 X75
      + 50596 X76 + 50598 X77 + 50594 X86 + 50596 X87 + 51116 X96
      + 51118 X97
SUBJECT TO
   2)      X11 + X12 + X13 + X14 + X15 + X16 + X17 <=  957
   3)      X21 + X22 + X23 + X24 + X25 + X26 + X27 <= 4992
   4)      X31 + X32 + X33 + X34 + X35 + X36 + X37 <= 1299
   5)      X42 + X43 + X44 + X45 + X46 + X47 <= 4992
   6)      X53 + X54 + X55 + X56 + X57 <= 4992
   7)      X64 + X65 + X66 + X67 <= 4992
   8)      X75 + X76 + X77 <= 4992
   9)      X86 + X87 <= 4992
  10)      X96 + X97 <= 1299
  11)      X11 + X21 + X31 >= 5840
  12)      X12 + X22 + X32 + X42 >= 4896
  13)      X13 + X23 + X33 + X43 + X53 >= 4158
  14)      X14 + X24 + X34 + X44 + X54 + X64 >= 4500
  15)      X15 + X25 + X35 + X45 + X55 + X65 + X75 >= 3515
  16)      X16 + X26 + X36 + X46 + X56 + X66 + X76 + X86 + X96
           >= 5977
  17)      X17 + X27 + X37 + X47 + X57 + X67 + X77 + X87 + X97
           >= 382
```

LP OPTIMUM FOUND AT STEP 22

Bagian kesatu :

OBJECTIVE FUNCTION VALUE

1) .143237000E+10

Bagian kedua :

VARIABLE	VALUE	REDUCED COST
X12	.000000	2.000000
X13	.000000	4.000000
X14	.000000	6.000000
X15	.000000	8.000000
X16	.000000	8.000000
X17	.000000	8.000000
X21	4883.000000	.000000
X22	.000000	2.000000
X23	.000000	4.000000
X24	.000000	6.000000
X25	.000000	8.000000
X26	.000000	8.000000
X27	.000000	8.000000
X31	.000000	522.000000
X32	.000000	524.000000
X33	.000000	526.000000
X34	.000000	528.000000
X35	.000000	530.000000
X36	.000000	530.000000
X37	.000000	530.000000
X42	4896.000000	.000000
X43	.000000	2.000000
X44	.000000	4.000000
X45	.000000	6.000000
X46	.000000	6.000000
X47	.000000	6.000000
X53	4158.000000	.000000
X54	.000000	2.000000
X55	.000000	4.000000
X56	.000000	4.000000
X57	.000000	4.000000
X64	4500.000000	.000000
X65	.000000	2.000000
X66	.000000	2.000000
X67	.000000	2.000000
X75	3515.000000	.000000
X76	1367.000000	.000000
X77	.000000	.000000
X86	4610.000000	.000000
X87	382.000000	.000000
X96	.000000	520.000000
X97	.000000	520.000000
X11	957.000000	.000000

Bagian ketiga :

ROW	SLACK OR SURPLUS	DUAL PRICES
2)	.000000	50594.000000
3)	109.000000	.000000
4)	1299.000000	.000000
5)	96.000000	.000000
6)	834.000000	.000000
7)	492.000000	.000000
8)	110.000000	.000000
9)	.000000	2.000000
10)	1299.000000	.000000
11)	.000000	-50594.000000
12)	.000000	-50594.000000
13)	.000000	-50594.000000
14)	.000000	-50594.000000
15)	.000000	-50594.000000
16)	.000000	-50596.000000
17)	.000000	-50598.000000

NO. ITERATIONS= 22

DO RANGE(SENSITIVITY) ANALYSIS?
?Y

Bagian keempat :

RANGES IN WHICH THE BASIS IS UNCHANGED

	OBJ COEFFICIENT RANGES		
VARIABLE	CURRENT COEF	ALLOWABLE INCREASE	ALLOWABLE DECREASE
X12	2.000000	INFINITY	2.000000
X13	4.000000	INFINITY	4.000000
X14	6.000000	INFINITY	6.000000
X15	8.000000	INFINITY	8.000000
X16	10.000000	INFINITY	8.000000
X17	12.000000	INFINITY	8.000000
X21	50594.000000	522.000000	2.000000
X22	50596.000000	INFINITY	2.000000
X23	50598.000000	INFINITY	4.000000
X24	50600.000000	INFINITY	6.000000
X25	50602.000000	INFINITY	8.000000
X26	50604.000000	INFINITY	8.000000
X27	50606.000000	INFINITY	8.000000
X31	51116.000000	INFINITY	522.000000
X32	51118.000000	INFINITY	524.000000
X33	51120.000000	INFINITY	526.000000
X34	51122.000000	INFINITY	528.000000
X35	51124.000000	INFINITY	530.000000
X36	51126.000000	INFINITY	530.000000
X37	51128.000000	INFINITY	530.000000
X42	50594.000000	2.000000	50594.000000
X43	50596.000000	INFINITY	2.000000

X44	50598.000000	INFINITY	4.000000
X45	50600.000000	INFINITY	6.000000
X46	50602.000000	INFINITY	6.000000
X47	50604.000000	INFINITY	6.000000
X53	50594.000000	2.000000	50594.000000
X54	50596.000000	INFINITY	2.000000
X55	50598.000000	INFINITY	4.000000
X56	50600.000000	INFINITY	4.000000
X57	50602.000000	INFINITY	4.000000
X64	50594.000000	2.000000	50594.000000
X65	50596.000000	INFINITY	2.000000
X66	50598.000000	INFINITY	2.000000
X67	50600.000000	INFINITY	2.000000
X75	50594.000000	2.000000	50594.000000
X76	50596.000000	.000000	2.000000
X77	50598.000000	INFINITY	.000000
X86	50594.000000	2.000000	.000000
X87	50596.000000	.000000	50598.000000
X96	51116.000000	INFINITY	520.000000
X97	51118.000000	INFINITY	520.000000
X11	.000000	2.000000	INFINITY

RIGHTHAND SIDE RANGES

ROW	CURRENT RHS	ALLOWABLE INCREASE	ALLOWABLE DECREASE
2	957.000000	4883.000000	109.000000
3	4992.000000	INFINITY	109.000000
4	1299.000000	INFINITY	1299.000000
5	4992.000000	INFINITY	96.000000
6	4992.000000	INFINITY	834.000000
7	4992.000000	INFINITY	492.000000
8	4992.000000	INFINITY	110.000000
9	4992.000000	1367.000000	110.000000
10	1299.000000	INFINITY	1299.000000
11	5840.000000	109.000000	4883.000000
12	4896.000000	96.000000	4896.000000
13	4158.000000	834.000000	4158.000000
14	4500.000000	492.000000	4500.000000
15	3515.000000	110.000000	3515.000000
16	5977.000000	110.000000	1367.000000
17	382.000000	110.000000	382.000000

HASIL OLAHAN LINDO

ROKOK DJIRAK SUPER

SEMESTER II TAHUN 1994

```
IN      12 X11 + 14 X12 + 16 X13 + 18 X14 + 20 X15 + 22 X16
    + 24 X17 + 50594 X21 + 50596 X22 + 50598 X23 + 50600 X24
    + 50602 X25 + 50604 X26 + 50606 X27 + 51116 X31 + 51118 X32
    + 51120 X33 + 51122 X34 + 51124 X35 + 51126 X36 + 51128 X37
    + 50594 X42 + 50596 X43 + 50598 X44 + 50600 X45 + 50602 X46
    + 50604 X47 + 51116 X52 + 51118 X53 + 51120 X54 + 51122 X55
    + 51124 X56 + 51126 X57 + 50594 X63 + 50596 X64 + 50598 X65
    + 50600 X66 + 50602 X67 + 50594 X74 + 50596 X75 + 50600 X76
    + 50602 X77 + 51116 X84 + 51118 X85 + 51120 X86 + 51122 X87
    + 50594 X95 + 50596 X96 + 50598 X97 + 50594 X106
    + 50596 X107 + 51116 X116 + 51118 X117

UBJECT TO
  2)     X11 + X12 + X13 + X14 + X15 + X16 + X17 <= 382
  3)     X21 + X22 + X23 + X24 + X25 + X26 + X27 <= 4992
  4)     X31 + X32 + X33 + X34 + X35 + X36 + X37 <= 1299
  5)     X42 + X43 + X44 + X45 + X46 + X47 <= 4992
  6)     X52 + X53 + X54 + X55 + X56 + X57 <= 1299
  7)     X63 + X64 + X65 + X66 + X67 <= 4992
  8)     X74 + X75 + X76 + X77 <= 4992
  9)     X84 + X85 + X86 + X87 <= 1299
 10)     X95 + X96 + X97 <= 4992
 11)     X106 + X107 <= 4992
 12)     X116 + X117 <= 1299
 13)     X11 + X21 + X31 >= 5074
 14)     X12 + X22 + X32 + X42 + X52 >= 4828
 15)     X13 + X23 + X33 + X43 + X53 + X63 >= 4677
 16)     X14 + X24 + X34 + X44 + X54 + X64 + X74 + X84 >= 5101
 17)     X15 + X25 + X35 + X45 + X55 + X65 + X75 + X85 + X95
         >= 4390
 18)     X16 + X26 + X36 + X46 + X56 + X66 + X76 + X86 + X96
         + X106 + X116 >= 6524
 19)     X17 + X27 + X37 + X47 + X57 + X67 + X77 + X87 + X97
         + X107 + X117 >= 410
```

LP OPTIMUM FOUND AT STEP 26

Bagian kesatu :

OBJECTIVE FUNCTION VALUE

1) .154965100E+10

Bagian kedua :

VARIABLE	VALUE	REDUCED COST
X11	82.000000	.000000
X12	.000000	.000000
X13	300.000000	.000000
X14	.000000	.000000
X15	.000000	.000000
X16	.000000	.000000
X17	.000000	.000000
X21	4992.000000	.000000
X22	.000000	.000000
X23	.000000	.000000
X24	.000000	.000000
X25	.000000	.000000
X26	.000000	.000000
X27	.000000	.000000
X31	.000000	10.000000
X32	.000000	10.000000
X33	.000000	10.000000
X34	.000000	10.000000
X35	.000000	10.000000
X36	.000000	10.000000
X37	.000000	10.000000
X42	4828.000000	.000000
X43	164.000000	.000000
X44	.000000	.000000
X45	.000000	.000000
X46	.000000	.000000
X47	.000000	.000000
X52	.000000	8.000000
X53	.000000	8.000000
X54	.000000	8.000000
X55	.000000	8.000000
X56	.000000	8.000000
X57	.000000	8.000000
X63	4213.000000	.000000
X64	779.000000	.000000
X65	.000000	.000000
X66	.000000	.000000
X67	.000000	.000000
X74	4322.000000	.000000
X75	670.000000	.000000
X76	.000000	.000000
X77	.000000	.000000
X84	.000000	4.000000

X85	.000000	4.000000
X86	.000000	4.000000
X87	.000000	4.000000
X95	3720.000000	.000000
X96	1272.000000	.000000
X97	.000000	.000000
X106	4582.000000	.000000
X107	410.000000	.000000
X116	670.000000	.000000
X117	.000000	.000000

Bagian ketiga:

ROW	SLACK OR SURPLUS	DUAL PRICES
2)	.000000	51094.000000
3)	.000000	512.000000
4)	1299.000000	.000000
5)	.000000	514.000000
6)	1299.000000	.000000
7)	.000000	516.000000
8)	.000000	518.000000
9)	1299.000000	.000000
10)	.000000	520.000000
11)	.000000	522.000000
12)	629.000000	.000000
13)	.000000	-51106.000000
14)	.000000	-51108.000000
15)	.000000	-51110.000000
16)	.000000	-51112.000000
17)	.000000	-51114.000000
18)	.000000	-51116.000000
19)	.000000	-51118.000000

NO. ITERATIONS= 26

DO RANGE(SENSITIVITY) ANALYSIS?
?Y

Bagian keempat :

RANGES IN WHICH THE BASIS IS UNCHANGED

	OBJ COEFFICIENT RANGES		
VARIABLE	CURRENT COEF	ALLOWABLE INCREASE	ALLOWABLE DECREASE
X11	12.000000	10.000000	.000000
X12	14.000000	INFINITY	.000000
X13	16.000000	.000000	10.000000
X14	18.000000	INFINITY	.000000
X15	20.000000	INFINITY	.000000
X16	22.000000	INFINITY	.000000
X17	24.000000	INFINITY	.000000
X21	50594.000000	.000000	INFINITY

X22	50596.000000	INFINITY	.000000
X23	50598.000000	INFINITY	.000000
X24	50600.000000	INFINITY	.000000
X25	50602.000000	INFINITY	.000000
X26	50604.000000	INFINITY	.000000
X27	50606.000000	INFINITY	.000000
X31	51116.000000	INFINITY	10.000000
X32	51118.000000	INFINITY	10.000000
X33	51120.000000	INFINITY	10.000000
X34	51122.000000	INFINITY	10.000000
X35	51124.000000	INFINITY	10.000000
X36	51126.000000	INFINITY	10.000000
X37	51128.000000	INFINITY	10.000000
X42	50594.000000	.000000	51108.000000
X43	50596.000000	.000000	.000000
X44	50598.000000	INFINITY	.000000
X45	50600.000000	INFINITY	.000000
X46	50602.000000	INFINITY	.000000
X47	50604.000000	INFINITY	.000000
X52	51116.000000	INFINITY	8.000000
X53	51118.000000	INFINITY	8.000000
X54	51120.000000	INFINITY	8.000000
X55	51122.000000	INFINITY	8.000000
X56	51124.000000	INFINITY	8.000000
X57	51126.000000	INFINITY	8.000000
X63	50594.000000	8.000000	.000000
X64	50596.000000	.000000	8.000000
X65	50598.000000	INFINITY	.000000
X66	50600.000000	INFINITY	.000000
X67	50602.000000	INFINITY	.000000
X74	50594.000000	4.000000	.000000
X75	50596.000000	.000000	4.000000
X76	50598.000000	INFINITY	.000000
X77	50600.000000	INFINITY	.000000
X84	51116.000000	INFINITY	4.000000
X85	51118.000000	INFINITY	4.000000
X86	51120.000000	INFINITY	4.000000
X87	51122.000000	INFINITY	4.000000
X95	50594.000000	4.000000	.000000
X96	50596.000000	.000000	4.000000
X97	50598.000000	INFINITY	.000000
X106	50594.000000	522.000000	.000000
X107	50596.000000	.000000	51118.000000
X116	51116.000000	.000000	512.000000
X117	51118.000000	INFINITY	.000000

RIGHTHAND SIDE RANGES

ROW	CURRENT RHS	ALLOWABLE INCREASE	ALLOWABLE DECREASE
2	382.000000	670.000000	300.000000
3	4992.000000	82.000000	300.000000
4	1299.000000	INFINITY	1299.000000
5	4992.000000	670.000000	164.000000
6	1299.000000	INFINITY	1299.000000
7	4992.000000	670.000000	629.000000

8	4992.000000	670.000000	629.000000
9	1299.000000	INFINITY	1299.000000
10	4992.000000	670.000000	629.000000
11	4992.000000	670.000000	629.000000
12	1299.000000	INFINITY	629.000000
13	5074.000000	300.000000	82.000000
14	4828.000000	164.000000	670.000000
15	4677.000000	629.000000	670.000000
16	5101.000000	629.000000	670.000000
17	4390.000000	629.000000	670.000000
18	6524.000000	629.000000	670.000000
19	410.000000	629.000000	410.000000

PERAMALAN PENJUALAN

HEADER DATA FOR: C:DJIRAK-S LABEL: ROKOK DJIRAK SUPER
NUMBER OF CASES: 48 NUMBER OF VARIABLES: 2

	y	x
1	2583	-47
2	2597	-45
3	2296	-43
4	2706	-41
5	2050	-39
6	3486	-37
7	3390	-35
8	2953	-33
9	2802	-31
10	3076	-29
11	2323	-27
12	3992	-25
13	3773	-23
14	3007	-21
15	2337	-19
16	2706	-17
17	2255	-15
18	3787	-13
19	3267	-11
20	2447	-9
21	2351	-7
22	2200	-5
23	1927	-3
24	4416	-1
25	3623	1
26	2871	3
27	3007	5
28	3117	7
29	2706	9
30	4074	11
31	3842	13
32	3185	15
33	2980	17
34	3349	19
35	1995	21
36	5045	23
37	5840	25
38	4896	27
39	4158	29
40	4500	31
41	3515	33
42	5977	35
43	5074	37
44	4828	39
45	4677	41
46	5101	43
47	4390	45
48	6524	47

---------- REGRESSION ANALYSIS ----------

ADER DATA FOR: C:DJIRAK LABEL: PERAMALAN PENJUALAN
IBER OF CASES: 48 NUMBER OF VARIABLES: 2

PERAMALAM PENJUALAN ROKOK DJIRAK SUPER TAHUN 1995

DEX	NAME	MEAN	STD.DEV.
1	x	.0000	28.0000
P. VAR.:	y	3500.0208	1128.9766

PENDENT VARIABLE: y

R.	REGRESSION COEFFICIENT	STD. ERROR	T(DF= 46)	PROB.
	27.4754	4.3510	6.315	.00000
NSTANT	3500.0208			

D. ERROR OF EST. = 835.2195

r SQUARED = .4643
r = .6814

ANALYSIS OF VARIANCE TABLE

OURCE	SUM OF SQUARES	D.F.	MEAN SQUARE	F RATIO	PROB.
GRESSION	27816437.3255	1	27816437.3255	39.875	9.759E-08
SIDUAL	32089211.6537	46	697591.5577		
TAL	59905648.9792	47			

CALCULATE PREDICTED VALUES

X	CALCULATED Y VALUE
49	4846.314716312
51	4901.2654870458
53	4956.2162577797
55	5011.1670285135
57	5066.1177992473
59	5121.0685699812
61	5176.019340715
63	5230.9701114488
65	5285.9208821826
67	5340.8716529165
69	5395.8224236503
71	5450.7731943841

HASIL OLAHAN LINDO

FORECAST PENJUALAN ROKOK DJIRAK SUPER

SEMESTER I TAHUN 1995

```
IN      2 X12 + 4 X13 + 6 X14 + 8 X15 + 10 X16 + 12 X17
     + 51073 X21 + 51075 X22 + 51077 X23 + 51079 X24 + 51081 X25
     + 51083 X26 + 51085 X27 + 51594 X31 + 51596 X32 + 51598 X33
     + 51600 X34 + 51602 X35 + 51604 X36 + 51606 X37 + 51073 X42
     + 51075 X43 + 51077 X44 + 51079 X45 + 51081 X46 + 51083 X47
     + 51594 X52 + 51596 X53 + 51598 X54 + 51600 X55 + 51602 X56
     + 51604 X57 + 51073 X63 + 51075 X64 + 51077 X65 + 51079 X66
     + 51081 X67 + 51594 X73 + 51596 X74 + 51598 X75 + 51600 X76
     + 51602 X77 + 51073 X84 + 51075 X85 + 51077 X86 + 51079 X87
     + 51594 X94 + 51596 X95 + 51598 X96 + 51600 X97 + 51073 X105
     + 51075 X106 + 51077 X107 + 51594 X115 + 51596 X116
     + 51598 X117 + 51073 X126 + 51075 X127 + 51594 X136
     + 51596 X137
UBJECT TO
  2)      X11 + X12 + X13 + X14 + X15 + X16 + X17 <= 410
  3)      X21 + X22 + X23 + X24 + X25 + X26 + X27 <= 4992
  4)      X31 + X32 + X33 + X34 + X35 + X36 + X37 <= 1299
  5)      X42 + X43 + X44 + X45 + X46 + X47 <= 4992
  6)      X52 + X53 + X54 + X55 + X56 + X57 <= 1299
  7)      X63 + X64 + X65 + X66 + X67 <= 4992
  8)      X73 + X74 + X75 + X76 + X77 <= 1299
  9)      X84 + X85 + X86 + X87 <= 4992
 10)      X94 + X95 + X96 + X97 <= 1299
 11)      X105 + X106 + X107 <= 4992
 12)      X115 + X116 + X117 <= 1299
 13)      X126 + X127 <= 4992
 14)      X136 + X137 <= 1299
 15)      X11 + X21 + X31 >= 4846
 16)      X12 + X22 + X32 + X42 + X52 >= 4901
 17)      X13 + X23 + X33 + X43 + X53 + X63 + X73 >= 4956
 18)      X14 + X24 + X34 + X44 + X54 + X64 + X74 + X84 + X94
          >= 5011
 19)      X15 + X25 + X35 + X45 + X55 + X65 + X75 + X85 + X95
          + X105 + X115 >= 5066
 20)      X16 + X26 + X36 + X46 + X56 + X66 + X76 + X86 + X96
          + X106 + X116 + X126 + X136 >= 5121
 21)      X17 + X27 + X37 + X47 + X57 + X67 + X77 + X87 + X97
          + X107 + X117 + X127 + X137 >= 499
```

LP OPTIMUM FOUND AT STEP 41

Bagian kesatu :

OBJECTIVE FUNCTION VALUE

1) .153170600E+10

Bagian kedua :

VARIABLE	VALUE	REDUCED COST
X12	2.000000	.000000
X13	.000000	.000000
X14	.000000	.000000
X15	.000000	.000000
X16	408.000000	.000000
X17	.000000	.000000
X21	4846.000000	.000000
X22	.000000	.000000
X23	.000000	.000000
X24	.000000	.000000
X25	.000000	.000000
X26	146.000000	.000000
X27	.000000	.000000
X31	.000000	10.000000
X32	.000000	10.000000
X33	.000000	10.000000
X34	.000000	10.000000
X35	.000000	10.000000
X36	.000000	10.000000
X37	.000000	10.000000
X42	4899.000000	.000000
X43	.000000	.000000
X44	93.000000	.000000
X45	.000000	.000000
X46	.000000	.000000
X47	.000000	.000000
X52	.000000	8.000000
X53	.000000	8.000000
X54	.000000	8.000000
X55	.000000	8.000000
X56	.000000	8.000000
X57	.000000	8.000000
X63	4956.000000	.000000
X64	.000000	.000000
X65	.000000	.000000
X66	36.000000	.000000
X67	.000000	.000000
X73	.000000	6.000000
X74	.000000	6.000000
X75	.000000	6.000000
X76	.000000	6.000000
X77	.000000	6.000000
X84	4918.000000	.000000

X85	74.000000	.000000
X86	.000000	.000000
X87	.000000	.000000
X94	.000000	4.000000
X95	.000000	4.000000
X96	.000000	4.000000
X97	.000000	4.000000
X105	4992.000000	.000000
X106	.000000	.000000
X107	.000000	.000000
X115	.000000	2.000000
X116	.000000	2.000000
X117	.000000	2.000000
X126	4493.000000	.000000
X127	499.000000	.000000
X136	38.000000	.000000
X137	.000000	.000000
X11	.000000	.000000

Bagian ketiga :

ROW	SLACK OR SURPLUS	DUAL PRICES
2)	.000000	51584.000000
3)	.000000	511.000000
4)	1299.000000	.000000
5)	.000000	513.000000
6)	1299.000000	.000000
7)	.000000	515.000000
8)	1299.000000	.000000
9)	.000000	517.000000
10)	1299.000000	.000000
11)	.000000	519.000000
12)	1299.000000	.000000
13)	.000000	521.000000
14)	1261.000000	.000000
15)	.000000	-51584.000000
16)	.000000	-51586.000000
17)	.000000	-51588.000000
18)	.000000	-51590.000000
19)	.000000	-51592.000000
20)	.000000	-51594.000000
21)	.000000	-51596.000000

NO. ITERATIONS= 41

DO RANGE(SENSITIVITY) ANALYSIS?
?Y

Bagian keempat :

RANGES IN WHICH THE BASIS IS UNCHANGED

OBJ COEFFICIENT RANGES

VARIABLE	CURRENT COEF	ALLOWABLE INCREASE	ALLOWABLE DECREASE
X12	2.000000	.000000	.000000
X13	4.000000	INFINITY	.000000
X14	6.000000	INFINITY	.000000
X15	8.000000	INFINITY	.000000
X16	10.000000	.000000	.000000
X17	12.000000	INFINITY	.000000
X21	51073.000000	.000000	51584.000000
X22	51075.000000	INFINITY	.000000
X23	51077.000000	INFINITY	.000000
X24	51079.000000	INFINITY	.000000
X25	51081.000000	INFINITY	.000000
X26	51083.000000	.000000	.000000
X27	51085.000000	INFINITY	.000000
X31	51594.000000	INFINITY	10.000000
X32	51596.000000	INFINITY	10.000000
X33	51598.000000	INFINITY	10.000000
X34	51600.000000	INFINITY	10.000000
X35	51602.000000	INFINITY	10.000000
X36	51604.000000	INFINITY	10.000000
X37	51606.000000	INFINITY	10.000000
X42	51073.000000	.000000	.000000
X43	51075.000000	INFINITY	.000000
X44	51077.000000	.000000	.000000
X45	51079.000000	INFINITY	.000000
X46	51081.000000	INFINITY	.000000
X47	51083.000000	INFINITY	.000000
X52	51594.000000	INFINITY	8.000000
X53	51596.000000	INFINITY	8.000000
X54	51598.000000	INFINITY	8.000000
X55	51600.000000	INFINITY	8.000000
X56	51602.000000	INFINITY	8.000000
X57	51604.000000	INFINITY	8.000000
X63	51073.000000	.000000	51588.000000
X64	51075.000000	INFINITY	.000000
X65	51077.000000	INFINITY	.000000
X66	51079.000000	.000000	.000000
X67	51081.000000	INFINITY	.000000
X73	51594.000000	INFINITY	6.000000
X74	51596.000000	INFINITY	6.000000
X75	51598.000000	INFINITY	6.000000
X76	51600.000000	INFINITY	6.000000
X77	51602.000000	INFINITY	6.000000
X84	51073.000000	.000000	.000000
X85	51075.000000	.000000	.000000
X86	51077.000000	INFINITY	.000000
X87	51079.000000	INFINITY	.000000
X94	51594.000000	INFINITY	4.000000
X95	51596.000000	INFINITY	4.000000
X96	51598.000000	INFINITY	4.000000
X97	51600.000000	INFINITY	4.000000
X105	51073.000000	.000000	INFINITY
X106	51075.000000	INFINITY	.000000

X107	51077.000000	INFINITY	.000000
X115	51594.000000	INFINITY	2.000000
X116	51596.000000	INFINITY	2.000000
X117	51598.000000	INFINITY	2.000000
X126	51073.000000	521.000000	.000000
X127	51075.000000	.000000	51596.000000
X136	51594.000000	.000000	511.000000
X137	51596.000000	INFINITY	.000000
X11	.000000	INFINITY	.000000

RIGHTHAND SIDE RANGES

ROW	CURRENT RHS	ALLOWABLE INCREASE	ALLOWABLE DECREASE
2	410.000000	38.000000	408.000000
3	4992.000000	38.000000	146.000000
4	1299.000000	INFINITY	1299.000000
5	4992.000000	2.000000	408.000000
6	1299.000000	INFINITY	1299.000000
7	4992.000000	38.000000	36.000000
8	1299.000000	INFINITY	1299.000000
9	4992.000000	2.000000	408.000000
10	1299.000000	INFINITY	1299.000000
11	4992.000000	2.000000	408.000000
12	1299.000000	INFINITY	1299.000000
13	4992.000000	38.000000	1261.000000
14	1299.000000	INFINITY	1261.000000
15	4846.000000	146.000000	38.000000
16	4901.000000	408.000000	2.000000
17	4956.000000	36.000000	38.000000
18	5011.000000	408.000000	2.000000
19	5066.000000	408.000000	2.000000
20	5121.000000	1261.000000	38.000000
21	499.000000	1261.000000	38.000000

HASIL OLAHAN LINDO

FORECAST PENJUALAN ROKOK DJIRAK SUPER

SEMESTER II TAHUN 1995

```
N      12 X11 + 14 X12 + 16 X13 + 18 X14 + 20 X15 + 22 X16
    + 24 X17 + 51073 X21 + 51075 X22 + 51077 X23 + 51079 X24
    + 51081 X25 + 51083 X26 + 51085 X27 + 51594 X31 + 51596 X32
    + 51598 X33 + 51600 X34 + 51602 X35 + 51604 X36 + 51606 X37
    + 51073 X42 + 51075 X43 + 51077 X44 + 51079 X45 + 51081 X46
    + 51083 X47 + 51594 X52 + 51596 X53 + 51598 X54 + 51600 X55
    + 51602 X56 + 51604 X57 + 51073 X63 + 51075 X64 + 51077 X65
    + 51079 X66 + 51081 X67 + 51594 X73 + 51596 X74 + 51598 X75
    + 51600 X76 + 51602 X77 + 51073 X84 + 51075 X85 + 51077 X86
    + 51079 X87 + 51594 X94 + 51596 X95 + 51598 X96 + 51600 X97
    + 51073 X105 + 51075 X106 + 51077 X107 + 51594 X115
    + 51596 X116 + 51598 X117 + 51073 X126 + 51075 X127
    + 51594 X136 + 51596 X137
UBJECT TO
  2)      X11 + X12 + X13 + X14 + X15 + X16 + X17 <= 499
  3)      X21 + X22 + X23 + X24 + X25 + X26 + X27 <= 4992
  4)      X31 + X32 + X33 + X34 + X35 + X36 + X37 <= 1299
  5)      X42 + X43 + X44 + X45 + X46 + X47 <= 4992
  6)      X52 + X53 + X54 + X55 + X56 + X57 <= 1299
  7)      X63 + X64 + X65 + X66 + X67 <= 4992
  8)      X73 + X74 + X75 + X76 + X77 <= 1299
  9)      X84 + X85 + X86 + X87 <= 4992
 10)      X94 + X95 + X96 + X97 <= 1299
 11)      X105 + X106 + X107 <= 4992
 12)      X115 + X116 + X117 <= 1299
 13)      X126 + X127 <= 4992
 14)      X136 + X137 <= 1299
 15)      X11 + X21 + X31 >= 5176
 16)      X12 + X22 + X32 + X42 + X52 >= 5231
 17)      X13 + X23 + X33 + X43 + X53 + X63 + X73 >= 5286
 18)      X14 + X24 + X34 + X44 + X54 + X64 + X74 + X84 + X94
          >= 5341
 19)      X15 + X25 + X35 + X45 + X55 + X65 + X75 + X85 + X95
          + X105 + X115 >= 5396
 20)      X16 + X26 + X36 + X46 + X56 + X66 + X76 + X86 + X96
          + X106 + X116 + X126 + X136 >= 5451
 21)      X17 + X27 + X37 + X47 + X57 + X67 + X77 + X87 + X97
          + X107 + X117 + X127 + X137 >= 374
```

LP OPTIMUM FOUND AT STEP 35

Bagian kesatu :

OBJECTIVE FUNCTION VALUE

1) .162282200E+10

Bagian kedua :

VARIABLE	VALUE	REDUCED COST
X11	184.000000	.000000
X12	239.000000	.000000
X13	76.000000	.000000
X14	.000000	2.000000
X15	.000000	4.000000
X16	.000000	6.000000
X17	.000000	6.000000
X21	4992.000000	.000000
X22	.000000	.000000
X23	.000000	.000000
X24	.000000	2.000000
X25	.000000	4.000000
X26	.000000	6.000000
X27	.000000	6.000000
X31	.000000	4.000000
X32	.000000	4.000000
X33	.000000	4.000000
X34	.000000	6.000000
X35	.000000	8.000000
X36	.000000	10.000000
X37	.000000	10.000000
X42	4922.000000	.000000
X43	.000000	.000000
X44	.000000	2.000000
X45	.000000	4.000000
X46	.000000	6.000000
X47	.000000	6.000000
X52	.000000	2.000000
X53	.000000	2.000000
X54	.000000	4.000000
X55	.000000	6.000000
X56	.000000	8.000000
X57	.000000	8.000000
X63	4992.000000	.000000
X64	.000000	2.000000
X65	.000000	4.000000
X66	.000000	6.000000
X67	.000000	6.000000
X73	218.000000	.000000
X74	.000000	2.000000
X75	.000000	4.000000
X76	.000000	6.000000
X77	.000000	6.000000

X84	4992.000000	.000000
X85	.000000	2.000000
X86	.000000	4.000000
X87	.000000	4.000000
X94	349.000000	.000000
X95	.000000	2.000000
X96	.000000	4.000000
X97	.000000	4.000000
X105	4992.000000	.000000
X106	.000000	2.000000
X107	.000000	2.000000
X115	404.000000	.000000
X116	.000000	2.000000
X117	.000000	2.000000
X126	4992.000000	.000000
X127	.000000	.000000
X136	459.000000	.000000
X137	374.000000	.000000

Bagian ketiga :

Row	SLACK OR SURPLUS	DUAL PRICES
2)	.000000	51578.000000
3)	.000000	517.000000
4)	1299.000000	.000000
5)	.000000	519.000000
6)	1299.000000	.000000
7)	.000000	521.000000
8)	1081.000000	.000000
9)	.000000	521.000000
10)	950.000000	.000000
11)	.000000	521.000000
12)	895.000000	.000000
13)	.000000	521.000000
14)	466.000000	.000000
15)	.000000	-51590.000000
16)	.000000	-51592.000000
17)	.000000	-51594.000000
18)	.000000	-51594.000000
19)	.000000	-51594.000000
20)	.000000	-51594.000000
21)	.000000	-51596.000000

NO. ITERATIONS= 35

DO RANGE(SENSITIVITY) ANALYSIS?
?Y

Bagian keempat :

RANGES IN WHICH THE BASIS IS UNCHANGED

OBJ COEFFICIENT RANGES

VARIABLE	CURRENT COEF	ALLOWABLE INCREASE	ALLOWABLE DECREASE
X11	12.000000	4.000000	.000000
X12	14.000000	.000000	.000000
X13	16.000000	.000000	2.000000
X14	18.000000	INFINITY	2.000000
X15	20.000000	INFINITY	4.000000
X16	22.000000	INFINITY	6.000000
X17	24.000000	INFINITY	6.000000
X21	51073.000000	.000000	INFINITY
X22	51075.000000	INFINITY	.000000
X23	51077.000000	INFINITY	.000000
X24	51079.000000	INFINITY	2.000000
X25	51081.000000	INFINITY	4.000000
X26	51083.000000	INFINITY	6.000000
X27	51085.000000	INFINITY	6.000000
X31	51594.000000	INFINITY	4.000000
X32	51596.000000	INFINITY	4.000000
X33	51598.000000	INFINITY	4.000000
X34	51600.000000	INFINITY	6.000000
X35	51602.000000	INFINITY	8.000000
X36	51604.000000	INFINITY	10.000000
X37	51606.000000	INFINITY	10.000000
X42	51073.000000	.000000	INFINITY
X43	51075.000000	INFINITY	.000000
X44	51077.000000	INFINITY	2.000000
X45	51079.000000	INFINITY	4.000000
X46	51081.000000	INFINITY	6.000000
X47	51083.000000	INFINITY	6.000000
X52	51594.000000	INFINITY	2.000000
X53	51596.000000	INFINITY	2.000000
X54	51598.000000	INFINITY	4.000000
X55	51600.000000	INFINITY	6.000000
X56	51602.000000	INFINITY	8.000000
X57	51604.000000	INFINITY	8.000000
X63	51073.000000	2.000000	INFINITY
X64	51075.000000	INFINITY	2.000000
X65	51077.000000	INFINITY	4.000000
X66	51079.000000	INFINITY	6.000000
X67	51081.000000	INFINITY	6.000000
X73	51594.000000	2.000000	2.000000
X74	51596.000000	INFINITY	2.000000
X75	51598.000000	INFINITY	4.000000
X76	51600.000000	INFINITY	6.000000
X77	51602.000000	INFINITY	6.000000
X84	51073.000000	2.000000	INFINITY
X85	51075.000000	INFINITY	2.000000
X86	51077.000000	INFINITY	4.000000
X87	51079.000000	INFINITY	4.000000
X94	51594.000000	2.000000	2.000000
X95	51596.000000	INFINITY	2.000000
X96	51598.000000	INFINITY	4.000000
X97	5I600.000000	INFINITY	4.000000
X105	51073.000000	2.000000	INFINITY

X106	51075.000000	INFINITY	2.000000
X107	51077.000000	INFINITY	2.000000
X115	51594.000000	2.000000	2.000000
X116	51596.000000	INFINITY	2.000000
X117	51596.000000	INFINITY	2.000000
X126	51073.000000	.000000	INFINITY
X127	51075.000000	INFINITY	.000000
X136	51594.000000	2.000000	.000000
X137	51596.000000	.000000	51596.000000

RIGHTHAND SIDE RANGES

ROW	CURRENT RHS	ALLOWABLE INCREASE	ALLOWABLE DECREASE
2	499.000000	218.000000	76.000000
3	4992.000000	184.000000	76.000000
4	1299.000000	INFINITY	1299.000000
5	4992.000000	218.000000	76.000000
6	1299.000000	INFINITY	1299.000000
7	4992.000000	218.000000	1081.000000
8	1299.000000	INFINITY	1081.000000
9	4992.000000	349.000000	950.000000
10	1299.000000	INFINITY	950.000000
11	4992.000000	404.000000	895.000000
12	1299.000000	INFINITY	895.000000
13	4992.000000	459.000000	466.000000
14	1299.000000	INFINITY	466.000000
15	5176.000000	76.000000	184.000000
16	5231.000000	76.000000	218.000000
17	5286.000000	1081.000000	218.000000
18	5341.000000	950.000000	349.000000
19	5396.000000	895.000000	404.000000
20	5451.000000	466.000000	459.000000
21	374.000000	466.000000	374.000000