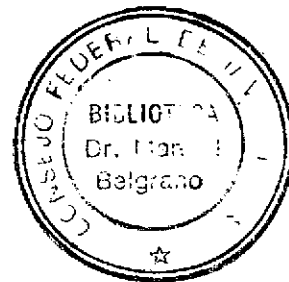


24322

CONSEJO FEDERAL DE INVERSIONES



DETERMINACION DE LA

"UNIDAD ECONOMICA"

PARA EL AREA DE COLONIZACION

"ANDRESITO"

-PROVINCIA DE MISIONES-

T O M O II

CONSEJO FEDERAL DE INVERSIONES

DIRECCION DE INVESTIGACIONES Y PLANIFICACION

DEPARTAMENTO DE INVESTIGACIONES

Buenos Aires, Mayo 1979

CONSEJO FEDERAL DE INVERSIONES

SECRETARIO GENERAL

Cnel. (R) Julio Cesar Medeiros

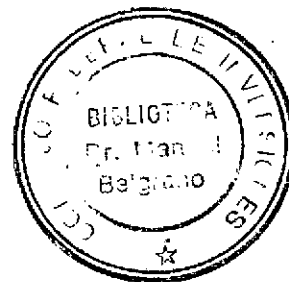
CONSEJO FEDERAL DE INVERSIONES

T O M O II  
APENDICE Nº 1

1. Formulación matemática
2. Estructura del Modelo Multiperiódico de Programación Lineal
3. Resultados del Procesamiento

T O M O III  
APENDICE Nº 2

1. Medición de Superficie según distintos rangos de pendiente por Sectores homogéneos de Suelos
2. Mapas de Suelos del Area de Colonización "Andresito"



APENDICE N°1

1. Formulación matemática
2. Estructura del Modelo Multiperiódico de Programación Lineal
3. Resultados del Procesamiento

1. FORMULACION MATEMATICA

FUNCION OBJETIVO:

MINIMIZAR

$$Z = 1 X_{1.1} + \sum_{j=2}^{12} 0 X_{jt} + \sum_{j=1}^{11} 0,00001 X_{16} + \sum_{j=20}^{25} \sum_{j=17}^{19} 0 X_{jt}$$

Respetando las siguientes RESTRICCIONES:

para el Período  $t = 1$

a) de Tierra:

$$- 0,88 X_{1.1} + 1 X_{4.1} + 1 X_{5.1} + 1 X_{6.1} + 0,166 X_{8.1} \leq 0$$

TIERRA 1.1

(Disponibilidad y utilización del total de tierra apta para agricultura)

$$- 1 X_{2.1} + 1 X_{4.1} + 1 X_{5.1} \leq 0$$

DESA 2,1

(Disponibilidad y utilización de tierra desmontada y sistematizada para cultivos anuales).

$$\text{DESPE } 3.1 \quad - \frac{1}{3.1} X_{3.1} + \frac{1}{6.1} X_{6.1} + 0,166 X_{8.1} \leq 0$$

(Disponibilidad y utilización de tierra desmontada y sistematizada para cultivos perennes)

$$\text{MAXDEAP } 4.1 \quad -1 X_{2.1} -1 X_{3.1} + 1 X_{5.1} + 1 X_{6.1} + 0,166 X_{8.1} = 0$$

(Ecuación de balance Desmonte-Agricultura y rotación Anuales-Perennes).

$$\text{MAXSO } 5.1 \quad - 0,55 X_{1.1} + 1 X_{4.1} \leq 0$$

(Disponibilidad de tierra apta para Soja)

$$\text{MAXME } 6.1 \quad -0,55 X_{1.1} + 1 X_{5.1} \leq 0$$

(Disponibilidad de tierra apta para Menta)

$$\text{MAXSOME } 7.1 \quad -0,55 X_{1.1} + 1 X_{4.1} + 1 X_{5.1} \leq 0$$

(Disponibilidad de tierra apta para Soja y Menta).

$$\text{MAXTE 8.1} \quad -0,62 x_{1.1} + 1 x_{6.1} \leq 0$$

(Disponibilidad de tierra apta para Té)

$$\text{MAXSOMETE 9.1} \quad -0,82 x_{1.1} + 1 x_{4.1} + 1 x_{5.1} + 1 x_{6.1} \leq 0$$

(Disponibilidad de tierra apta para Soja, Menta y Té)

b) de Trabajo:

$$\text{MOA 10.1} \quad 0,5 x_{4.1} + 30 x_{5.1} - 1 x_{9.1} \leq 0$$

(Mano de obra para cultivos anuales)

$$\text{MOIPE 11.1} \quad 58 x_{6.1} - 1 x_{10.1} \leq 0$$

(Mano de obra durante el invierno para implantación de cultivos perennes).

$$\text{MOVEPE 12.1} \quad 10 x_{6.1} - 1 x_{11.1} \leq 0$$

(Mano de obra durante el verano para implantación de cultivos perennes).

$$\text{MOPI } 13.1 \quad 3,3 X_{8.1} - 1 X_{12.1} \leq 0$$

(Mano de obra para forestales).

c) de Capital:

$$\text{TRAC } 14.1 \quad 8,3 X_{4.1} + 10 X_{5.1} + 5,5 X_{6.1} + 0,66 X_{8.1} \leq 2000$$

(Disponibilidad de horas tractor por año).

$$\text{MAXCFO } 15.1 \quad -85 X_{2.1} - 142 X_{6.1} - 6,4 X_{10.1} - 6,4 X_{11.1} + 1 X_{14.1} \leq 0$$

(Monto Máximo de utilización del Crédito de largo plazo para áreas de frontera).

$$\text{CFIS } 16.1 \quad -11,3 X_{8.1} - 4 X_{12.1} + 1 X_{15.1} \leq 0$$

(Utilización del crédito fiscal para implantación de forestales).

$$\text{BFIN } 17.1 \quad -106,3 X_{2.1} + 134 X_{4.1} + 594 X_{5.1} - 177 X_{6.1} - 22,6 X_{8.1} - X_{9.1} - 8,1 X_{10.1} - 8,1 X_{11.1} - 8,1 X_{12.1} + 0,98 X_{14.1} + 1 X_{15.1} - 1 X_{16.1} \geq$$

///

BFIN 17.1  $\begin{matrix} > 4.800 \text{ para Empresa A} \\ > 7.880 \text{ para Empresa B} \\ > 11.819 \text{ para Empresa C} \end{matrix}$   
(Ecuación de Balance Financiero).

d) de Mercado:

$X 5.1 \leq 30$   
(Limite superior para cultivos anuales intensivos).

e) de Escala de Producción:

$X 4.1 \geq 25$   
(Limite inferior para cultivos anuales extensivos).

para el Período  $t = 25$

a) de Tierra:

$$\text{TIERRA } 1.25 \quad -0,88 \quad x_{1.1} + \frac{12}{41} \cdot 1 \times 6 + \frac{12}{43} \cdot 1 \times 7 + \frac{12}{41} \cdot 1 \times 8 = 0.$$

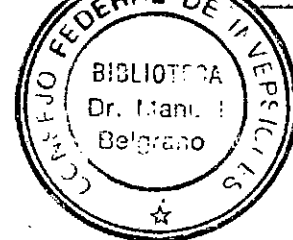
$$\text{MAXTE } 8.25 - 0,62 \times 1.1 + \frac{12}{41} \times 6 = 0$$

b) de Trabajo:

$$\text{MOIPE } 11.25 \quad -1 \times 17.25 + \frac{3,5,9,12}{1,4,6,10} 5 \times 6 + \frac{17 \times 6 + \frac{12}{3}}{3,5,9} 33,4$$

$$\times 7 \quad \quad \quad 0$$

$$\text{MOVEPE } 12.25^{-1} \times 18.25^{+} \quad \begin{matrix} 3,5,9,12 \\ 1,4,6,10 \end{matrix} \quad 20 \times \begin{matrix} 6 \\ 3,5,9 \end{matrix} \quad 24 \times \begin{matrix} 12 \\ 6 \end{matrix} \quad 31$$



MOPI 13.25

$$-1X_{19.25} + 11,6X_{8.1} + \sum_{2}^{6} 4,8X_8 + \sum_{7}^{8} 7,9X_8 +$$

$$+ \sum_{9}^{10} 3X_8 + \sum_{11}^{12} 3X_8 + \sum_{11}^{12} 4,6X_8 \leq 0$$

c) de Capital:

$$\sum_{3}^{12} 8,5X_7 + 15X_{8.1} + \sum_{2}^{6} 6X_8 + \sum_{7}^{8} 10X_8 +$$

TRAC 14.25

$$+ \sum_{9}^{10} 5,8X_8 + \sum_{11}^{12} 5X_8 \leq 2.000$$

$$\sum_{1}^{2} 528X_6 + \sum_{3}^{4} 560X_6 + \sum_{5}^{6} 593X_6 + \sum_{7}^{8} 658X_6 +$$

BFIN 17.25

$$+ \sum_{9}^{10} 819X_6 + \sum_{11}^{12} 1.014X_6 + \sum_{3}^{12} 748,9X_7 +$$

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$$884 \times_{8.1} + \sum_{2}^{6} 311,7 \times_8 + \sum_{7}^{8} 454,8 \times_8 + \sum_{9}^{10} 143,2 \times_8 +$$

$$\begin{array}{l} \text{BFIN 17.25} \\ \text{(Continuac)} \end{array} + \sum_{11}^{12} 200,4 \times_8 - 10,8 \times_{17.25} - 10,8 \times_{18.25} - 10,8 \times_{19.25}$$

$\geq 11.200$  para Empresa A

$\geq 14.250$  para Empresa B

$\geq 21.378$  para Empresa C

Donde  $X_{jt}$  son las ACTIVIDADES

para  $j = 1, 2, \dots, 19$  actividades

$t = 1, 2, \dots, 25$  periodos

$X_{11}$ :

Compra de Tierra.

(correspondiente al año 1 del Modelo)

X 2.1., 2.2., 2.3., 2.4., 2.5., 2.6., 2.7., 2.8., 2.9., 2.10.,

2.11., 2.12. :

Desmonte y Sistematización del suelo para cultivos anuales.

(para los años 1, 2, 3, ..., al 12)

X 3.1., 3.2., 3.3., 3.4., 3.5., 3.6., 3.7., 3.8., 3.9., 3.10.,

3.11., 3.12. :

Desmonte y Sistematización del suelo para cultivos perennes.

(para los años 1, 2, 3, ..., 12)

X 4.1., 4.2., 4.3., 4.4., 4.5., 4.6., 4.7., 4.8., 4.9., 4.10.,

4.11., 4.12. :

Cultivos anuales extensivos: Soja

(para los años 1, 2, 3, ..., 12)

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X 5.1., 5.2., 5.3., 5.4., 5.5., 5.6., 5.7., 5.8., 5.9.,  
5.10., 5.11., 5.12. :

Cultivos anuales intensivos: Menta  
(para los años 1,2,3, ..... al 12).

X 6.1., 6.2., 6.3., 6.4., 6.5., 6.6., 6.7., 6.8., 6.9.,  
6.10., 6.11., 6.12. :

Te (para los años 1 y 2)  
Te A. (para los años 3 y 4)  
Te B. (para los años 5 y 6)  
Te C. (para los años 7 y 8)  
Te D. (para los años 9 y 10)  
Te E. (para los años 11 y 12)

X 7.3., 7.4., 7.5., 7.6., 7.7., 7.8., 7.9., 7.10., 7.11., 7.12.:

Cítricos

(para los años 3,4,5, ..... al 12)

X 8.1., 8.2., 8.3., 8.4., 8.5., 8.6., 8.7., 8.8., 8.9., 8.9.,  
8.10., 8.11., 8.12.:

Forestales: Pino (Rotación en 6 años de implantación)  
(para los años 1,2,3, ..... al 12).

X 9.1., 9.2., 9.3., 9.4., 9.5., 9.6., 9.7., 9.8., 9.9.,  
9.10., 9.11., 9.12. :

Contratación Mano de obra durante el año para Cultivos  
anuales. (esta actividad no utiliza los créditos de largo  
plazo). . . . .

(para los años 1,2,3,.....al 12).

X 10.1., 10.2., 10.3., 10.4., 10.5., 10.6., 10.7., 10.8.,  
10.9., 10.10., 10.11., 10.12. :

Contratación Mano de obra durante el invierno (desde  
mayo hasta septiembre) para cultivos perennes en período  
de implantación excepto forestales. Esta actividad puede  
utilizar el crédito de Area de frontera.

(para los años 1,2,3,.....al 12)

X 11.1., 11.2., 11.3., 11.4., 11.5., 11.6., 11.7., 11.8.,  
11.9., 11.10., 11.11., 11.12. :

Contratación Mano de obra durante el verano para cultivos  
perennes en período de implantación, excepto forestales.  
(esta actividad utiliza crédito idem anterior)

(para los años 1,2,3,.....al 12)

X 12.1., 12.2., 12.3., 12.4., 12.5., 12.6., 12.7., 12.8.,  
12.9., 12.10., 12.11., 12.12. :

Contratación Mano de Obra durante el año para Forestales  
en período de implantación (esta actividad puede utilizar  
la línea de Crédito Fiscal).

(para los años 1,2,3,.....al 12).

X 13.5., 13.6., 13.7., 13.8., 13.9., 13.10., 13.11., 13.12. :

Contratación Mano de Obra durante el año para Cultivos perennes, incluso Forestales, en período de producción.

(Esta actividad no puede utilizar las líneas de crédito de largo plazo).

(para los años 5.6.7. .... al 12).

X 14.1., 14.2., 14.3., 14.5., 14.6., 14.7., 14.8., 14.9.,  
14.10., 14.11., 14.12. :

Utilización de las líneas de crédito de Area de Frontera

(para los años 1,2,3, .... al 12).

X 15.1., 15.2., 15.3., 15.4., 15.5., 15.6., 15.7., 15.8., 15.9.,  
15.10., 15.11., 15.12.. :

Utilización del Crédito Fiscal para Implantación de Forestales.

(para los años 1.2.3, .... al 12).

X 16.1., 16.2., 16.3., 16.4., 16.5., 16.6., 16.7., 16.8., 16.9.,  
16.10., 16.11., 16.12. :

Transferencia de fondos excedentes de un período a otro.

(para los años 1,2,3, .... al 12).

X 17.20., 17.25. :

Contratación Mano de Obra durante el invierno (desde mayo hasta sep. ) para cultivos perennes en período de producción, excepto forestales. (No utiliza créditos de largo plazo).

(para los años 20 y 25).

X 18.20., 18.25. :

Contratación Mano de Obra durante el verano (desde octubre hasta abril ) para cultivos perennes en período de producción, excepto forestales.

(No utiliza créditos a largo plazo).

(para los años 20 y 25).

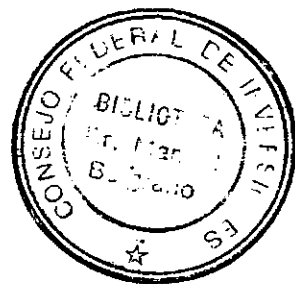
X 19.20, 19.25.:

Contratación Mano de Obra durante el año para Forestales en período de producción (No utiliza créditos de largo plazo).

(para los años 20 y 25).

Estructura del Modelo Multiperiódico  
de Programación Lineal





Resultados del Procesamiento

# EMPERESA A: FAMILIAR PROPIAMENTE DICHA

## HIPOTESIS I a

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MP5X/370 VIM3

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT..	UPPER LIMIT..	REDUCED COST..
228	CUTIERRA	BS	86.99895	1.00000		NONE	
229	DESAL	BS	38.29051			NONE	
230	DESPEL	BS	1.09684			NONE	14950
231	SOJAL	BS	25.00000		25.00000	NONE	
232	MENTAL	BS	13.29051		10.00000	30.00000	
233	MUAL	BS	411.21528			NONE	58661
234	TEIPEL	BS				NONE	
235	MOIPEL	BS				NONE	
236	MOVEPEL	BS	3254.69330			NONE	
237	CFIL	BS	6.60745			NONE	
238	PILOI	BS	21.80458			NONE	
239	MOPIL	BS	161.80249			NONE	
240	CFISI	BS	2070.27750	.1000000E-04		NONE	22751
241	TRANI	BS				NONE	15478
242	DEJAZ	BS				NONE	27900
243	DESPE2	BS	25.00000		25.00000	NONE	
244	SUJAZ	BS	12.19367		10.00000	30.00000	
245	MENTA2	BS	378.31019			NONE	59998
246	MUAZ	BS				NONE	
247	TE2	BS				NONE	
248	MUIPE2	BS				NONE	
249	MOVEPE2	BS				NONE	
250	CF02	BS				NONE	00013
251	PIMO2	BS				NONE	29055
252	MPI2	BS	33.03724			NONE	
253	CFIS2	BS	226.63549			NONE	
254	TR/N2	BS	6586.20597	.1000000E-04		NONE	59638
255	DESAS	BS				NONE	22259
256	DESPE3	BS				NONE	27694
257	SUJAS	BS	25.00000		25.00000	NONE	
258	MENTA3	BS	11.09684		10.00000	30.00000	
259	MUA3	BS	345.40509			NONE	64715
260	TE43	BS				NONE	85467
261	CITRIC03	BS				NONE	00604
262	MUIPE3	BS				NONE	00007
263	MOVEPE3	BS				NONE	16712
264	CF03	BS				NONE	
265	PIMO3	BS	39.64469			NONE	
266	MPI3	BS	268.26241			NONE	96437
267	CFIS3	BS	9838.42675	.1000000E-04		NONE	66952
268	TR/N3	BS				NONE	48384
269	DESAS4	BS				NONE	20915
270	DESPE4	BS	25.00000		25.00000	30.00000	
271	SUJAS4	BS	10.00000		10.00000	NONE	38043
272	MENTA4	BS	312.50000			NONE	52180
273	MUA4	BS				NONE	
274	TEA4	BS				NONE	
275	CITRIC04	BS				NONE	
276	MUIPE4	BS				NONE	



MPSX/370 VIM3	NUMBER	COLUMNS	AT	MPSCL EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
328	DESAB8	LL	LL						1.06069
329	DESAB8	LL	LL						1.02245
330	SOJA8	BS	BS						1.26395
331	MENTA8	BS	BS						
332	MOA8	BS	BS						
333	TELB	BS	BS						
334	CITRIC08	BS	BS						
335	MOIPE8	BS	BS						
336	MOVEPE8	BS	BS						
337	CFU8	BS	BS						
338	PIK08	BS	BS						
339	MOA18	BS	BS						
340	CF158	BS	BS						
341	MOVNOC8	BS	BS						
342	TRANB	BS	BS						
343	DESAB9	BS	BS						
344	SOJA9	BS	BS						
345	MENTA9	BS	BS						
346	MOA9	BS	BS						
347	TELB9	BS	BS						
348	CITRIC09	BS	BS						
349	MOIPE9	BS	BS						
350	MOVEPE9	BS	BS						
351	CFU9	BS	BS						
352	PIK09	BS	BS						
353	MOA19	BS	BS						
354	CF159	BS	BS						
355	MOVNOC9	BS	BS						
356	TRAN9	BS	BS						
357	DESAB0	BS	BS						
358	SOJA0	BS	BS						
359	MENTA0	BS	BS						
360	MOA0	BS	BS						
361	TELB0	BS	BS						
362	CITRIC10	BS	BS						
363	MOIPE10	BS	BS						
364	MOVEPE10	BS	BS						
365	CFU10	BS	BS						
366	PIK10	BS	BS						
367	MOA10	BS	BS						
368	CF1510	BS	BS						
369	MOVNOC10	BS	BS						
370	TRAN10	BS	BS						
371	DESAB11	BS	BS						
372	SOJA11	BS	BS						
373	MENTA11	BS	BS						
374	MOA11	BS	BS						
375	TELB11	BS	BS						
376	CITRIC11	BS	BS						
377	MOIPE11	BS	BS						
378	MOVEPE11	BS	BS						
379	CFU11	BS	BS						
380	PIK11	BS	BS						
381	MOA11	BS	BS						
382	CF1511	BS	BS						
383	MOVNOC11	BS	BS						
384	TRAN11	BS	BS						
385	DESAB12	BS	BS						
386	SOJA12	BS	BS						
387	MENTA12	BS	BS						
388	MOA12	BS	BS						
389	TELB12	BS	BS						
390	CITRIC12	BS	BS						
391	MOIPE12	BS	BS						
392	MOVEPE12	BS	BS						
393	CFU12	BS	BS						
394	PIK12	BS	BS						
395	MOA12	BS	BS						
396	CF1512	BS	BS						
397	MOVNOC12	BS	BS						
398	TRAN12	BS	BS						
399	DESAB13	BS	BS						
400	SOJA13	BS	BS						
401	MENTA13	BS	BS						
402	MOA13	BS	BS						
403	TELB13	BS	BS						
404	CITRIC13	BS	BS						
405	MOIPE13	BS	BS						
406	MOVEPE13	BS	BS						
407	CFU13	BS	BS						
408	PIK13	BS	BS						
409	MOA13	BS	BS						
410	CF1513	BS	BS						
411	MOVNOC13	BS	BS						
412	TRAN13	BS	BS						
413	DESAB14	BS	BS						
414	SOJA14	BS	BS						
415	MENTA14	BS	BS						
416	MOA14	BS	BS						
417	TELB14	BS	BS						
418	CITRIC14	BS	BS						
419	MOIPE14	BS	BS						
420	MOVEPE14	BS	BS						
421	CFU14	BS	BS						
422	PIK14	BS	BS						
423	MOA14	BS	BS						
424	CF1514	BS	BS						
425	MOVNOC14	BS	BS						
426	TRAN14	BS	BS						
427	DESAB15	BS	BS						
428	SOJA15	BS	BS						
429	MENTA15	BS	BS						
430	MOA15	BS	BS						
431	TELB15	BS	BS						
432	CITRIC15	BS	BS						
433	MOIPE15	BS	BS						
434	MOVEPE15	BS	BS						
435	CFU15	BS	BS						
436	PIK15	BS	BS						
437	MOA15	BS	BS						
438	CF1515	BS	BS						
439	MOVNOC15	BS	BS						
440	TRAN15	BS	BS						
441	DESAB16	BS	BS						
442	SOJA16	BS	BS						
443	MENTA16	BS	BS						
444	MOA16	BS	BS						
445	TELB16	BS	BS						
446	CITRIC16	BS	BS						
447	MOIPE16	BS	BS						
448	MOVEPE16	BS	BS						
449	CFU16	BS	BS						
450	PIK16	BS	BS						
451	MOA16	BS	BS						
452	CF1516	BS	BS						
453	MOVNOC16	BS	BS						
454	TRAN16	BS	BS						
455	DESAB17	BS	BS						
456	SOJA17	BS	BS						
457	MENTA17	BS	BS						
458	MOA17	BS	BS						
459	TELB17	BS	BS						
460	CITRIC17	BS	BS						
461	MOIPE17	BS	BS						
462	MOVEPE17	BS	BS						
463	CFU17	BS	BS						
464	PIK17	BS	BS						
465	MOA17	BS	BS						
466	CF1517	BS	BS						
467	MOVNOC17	BS	BS						
468	TRAN17	BS	BS						
469	DESAB18	BS	BS						
470	SOJA18	BS	BS						
471	MENTA18	BS	BS						
472	MOA18	BS	BS						
473	TELB18	BS	BS						
474	CITRIC18	BS	BS						
475	MOIPE18	BS	BS						
476	MOVEPE18	BS	BS						
477	CFU18	BS	BS						
478	PIK18	BS	BS						
479	MOA18	BS	BS						
480	CF1518	BS	BS						
481	MOVNOC18	BS	BS						
482	TRAN18	BS	BS						
483	DESAB19	BS	BS						
484	SOJA19	BS	BS						
485	MENTA19	BS	BS						
486	MOA19	BS	BS						
487	TELB19	BS	BS						
488	CITRIC19	BS	BS						
489	MOIPE19	BS	BS						
490	MOVEPE19	BS	BS						
491	CFU19	BS	BS						
492	PIK19	BS	BS						
493	MOA19	BS	BS						
494	CF1519	BS	BS						
495	MOVNOC19	BS	BS						
496	TRAN19	BS	BS						
497	DESAB20	BS	BS						
498	SOJA20	BS	BS						
499	MENTA20	BS	BS						
500	MOA20	BS	BS						
501	TELB20	BS	BS						
502	CITRIC20	BS	BS						
503	MOIPE20	BS	BS						
504	MOVEPE20	BS	BS						
505	CFU20	BS	BS						
506	PIK20	BS	BS						
507	MOA20	BS	BS						
508	CF1520	BS	BS						
509	MOVNOC20	BS	BS						
510	TRAN20	BS	BS						
511	DESAB21	BS	BS						
512	SOJA21	BS	BS						
513	MENTA21	BS	BS						
514	MOA21	BS	BS						
515	TELB21	BS	BS						
516	CITRIC21	BS	BS						
517	MOIPE21	BS	BS						
518	MOVEPE21	BS	BS						
519	CFU21	BS	BS						
520	PIK21	BS	BS						
521	MOA21	BS	BS						
522	CF1521	BS	BS						
523	MOVNOC21	BS	BS						
524	TRAN21	BS	BS						
525	DESAB22	BS	BS						
526	SOJA22	BS	BS						
527	MENTA22	BS	BS						
528	MOA22	BS	BS						
529	TELB22	BS	BS						
530	CITRIC22	BS	BS						
531	MOIPE22	BS	BS						
532	MOVEPE22	BS	BS						
533	CFU22	BS	BS						
534	PIK22	BS	BS						

MPSX/370	VIM3	MPSC EXECUTION	AT	..ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
379	CITRIC11	EQ		217.84967				.50699
380	MUIPEL1	BS		118.82709				
381	MOVEPE11	BS		3212.29235				.08513
382	CFOL11	BS						
383	PINO11	LL						
384	MOP111	BS						
385	CFIS11	BS						
386	MOPNOC11	BS		877.97335				.01023
387	TRAN11	BS		3796.39475				.14985
388	DESA12	LL						
389	DESP12	LL						
390	SOJA12	LL		13.35424		10.00000	30.00000	
391	MU12	BS		400.62719				.28011
392	TEEL12	BS		.23167				
393	CITRIC12	EQ		231.28645				
394	MUIPE12	BS		477.62505				
395	MOVEPE12	BS		6161.96940				
396	CFOL12	BS		16.01228				
397	PINO12	BS		52.84052				
398	MOP112	BS		466.27752				
399	CFIS12	BS		877.97335				
400	MOPNOC12	BS		1467.65326				
401	MOPPE20	BS		1078.78694				
402	MOVEPE20	BS		87.75873				
403	MUIPE20	BS		914.18888				
404	MUIPE25	BS		1293.61766				
405	MOVEPE25	BS		150.30288				
406	MOP125	BS						

# EMPRESA - B: FAMILIAR MEDIA

## HIPOTESIS I - a

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MPSX/370 VM3

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	143.22344	1.00000	.	NONE	.
229	DESAL	BS	49.41986	.	.	NONE	.
230	DESPE1	BS	.	.	25.00000	NONE	.17001
231	SUJAI	BS	25.00000	.	10.00000	30.00000	.
232	MENTA1	BS	24.41986	.	.	NONE	.47531
233	MUA1	BS	745.09594	.	.	NONE	.
234	TEI	BS	.	.	.	NONE	.
235	MOIPE1	BS	.	.	.	NONE	.
236	MOVEPE1	BS	4200.68850	.	.	NONE	.21835
237	CFU1	BS	.	.	.	NONE	.
238	PINU1	BS	.	.	.	NONE	.
239	MOP11	BS	.	.	.	NONE	.
240	CFIS1	BS	.	.100000E-04	.	NONE	.
241	TRAN1	BS	2820.55954	.	.	NONE	.17638
242	DESPE2	BS	.	.	.	NONE	.17659
243	SUJAI	BS	25.00000	.	25.00000	NONE	.31673
244	MENTA2	BS	24.41986	.	10.00000	30.00000	.
245	MUA2	BS	745.09594	.	.	NONE	.
246	TE2	BS	.	.	.	NONE	.12804
247	MOIPE2	BS	.	.	.	NONE	.
248	MOVEPE2	BS	.	.	.	NONE	.00111
249	CFU2	BS	.	.	.	NONE	.22199
250	PINU2	BS	.	.	.	NONE	.00078
251	MOP12	BS	.	.	.	NONE	.
252	CFIS2	BS	.	.100000E-04	.	NONE	.67776
253	TRAN2	BS	11033.66506	.	.	NONE	.59414
254	DESPE3	BS	.	.	.	NONE	.31385
255	SUJAI	BS	25.00000	.	25.00000	NONE	.
256	MENTA3	BS	24.41986	.	10.00000	30.00000	.
257	MUA3	BS	745.09594	.	.	NONE	.53804
258	TEA3	BS	.	.	.	NONE	.70074
259	MOIPE3	BS	.	.	.	NONE	.
260	CITRIC03	BS	.	.	.	NONE	.00009
261	MOVEPE3	BS	.	.	.	NONE	.11754
262	CFU3	BS	.	.	.	NONE	.00080
263	PINU3	BS	.	.	.	NONE	.
264	MOP13	BS	.	.	.	NONE	1.09467
265	CFIS3	BS	18153.33233	.100000E-04	.	NONE	1.00998
266	TRAN3	BS	.	.	.	NONE	.31079
267	DESPE4	BS	.	.	.	NONE	.
268	SUJAI	BS	25.00000	.	25.00000	NONE	.37249
269	MENTA4	BS	22.59336	.	10.00000	NONE	.31634
270	MUA4	BS	702.30078	.	.	NONE	.
271	TEA4	BS	.	.	.	NONE	.
272	MOIPE4	BS	.	.	.	NONE	.
273	CITRIC04	BS	.	.	.	NONE	.
274	MOVEPE4	BS	.	.	.	NONE	.
275	CFU4	BS	.	.	.	NONE	.
276	PINU4	BS	.	.	.	NONE	.
277	MOP14	BS	.	.	.	NONE	.
278	CFIS4	BS	.	.	.	NONE	.
279	TRAN4	BS	.	.	.	NONE	.
280	DESPE5	BS	.	.	.	NONE	.
281	SUJAI	BS	.	.	.	NONE	.
282	MENTA5	BS	.	.	.	NONE	.
283	MUA5	BS	.	.	.	NONE	.
284	TEA5	BS	.	.	.	NONE	.
285	MOIPE5	BS	.	.	.	NONE	.
286	MOVEPE5	BS	.	.	.	NONE	.
287	CFU5	BS	.	.	.	NONE	.
288	PINU5	BS	.	.	.	NONE	.
289	MOP15	BS	.	.	.	NONE	.
290	CFIS5	BS	.	.	.	NONE	.
291	TRAN5	BS	.	.	.	NONE	.
292	DESPE6	BS	.	.	.	NONE	.
293	SUJAI	BS	.	.	.	NONE	.
294	MENTA6	BS	.	.	.	NONE	.
295	MUA6	BS	.	.	.	NONE	.
296	TEA6	BS	.	.	.	NONE	.
297	MOIPE6	BS	.	.	.	NONE	.
298	MOVEPE6	BS	.	.	.	NONE	.
299	CFU6	BS	.	.	.	NONE	.
300	PINU6	BS	.	.	.	NONE	.

MPSX/370 VIMS MPSCL EXECUTION

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
277	MOVEPE4	BS					.00005
278	CFG4	LL	8.59341				
279	PINO4	BS	28.35024				
280	MOPI4	BS	224.71158				
281	CFIS4	BS	23876.54100	.1000000E-04			1.42394
282	TRAN4	BS	47.93770				.30755
283	DESA5	BS					
284	DESPE5	LL	25.00000		25.00000		
285	SOJA5	BS	22.93770		10.00000		
286	MENTA5	BS	700.63102				
287	MUA5	BS	46.56685				
288	TEB5	BS					.03365
289	CITRIC05	BS	2700.87752				
290	MOIPE5	BS	465.66854				
291	MOVEPE5	BS	32783.83954				
292	CF05	BS					.06939
293	PINO5	LL	42.96703				
294	MOPI5	BS	311.94065				
295	CFIS5	BS					
296	MOPNOC5	BS		.1000000E-04			
297	TRAN5	BS	16159.22566				
298	DESA6	LL					
299	DESPE6	LL	25.00000		25.00000		
300	SUJA6	LL	21.51120		10.00000		
301	MENTA6	BS	657.83585				
302	MUA6	BS					
303	TEB6	LL					1.15145
304	CITRIC06	BS					1.00869
305	MOIPE6	BS	512.23539				
306	MOVEPE6	BS	465.66854				
307	CF06	BS	10039.81369				
308	PINO6	LL	51.56044				.21712
309	MOPI6	BS	374.67252				
310	CFIS6	BS					
311	MOPNOC6	BS		.1000000E-04			
312	TRAN6	BS	16842.15850				
313	DESA7	LL					
314	DESPE7	LL	25.00000		25.00000		
315	SOJA7	LL	20.00469		10.00000		
316	MENTA7	BS	615.04069				
317	MUA7	BS					
318	TEC7	LL					.79976
319	CITRIC07	BS					.50036
320	MOIPE7	BS	512.23539				
321	MOVEPE7	BS	279.40112				
322	CF07	BS	6919.83448				
323	PINO7	LL					.12602
324	MOPI7	BS	51.56044				
325	CFIS7	BS	379.82856				
326	MOPNOC7	BS		.1000000E-04			
327	TRAN7	BS	11767.52481				



MPSX/370	VIM3	COLUMNS	AT	MPCL EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
379		CITRIC11	EQ						.61197
380		MOIPE11	BS	464.54847				NONE	
381		MOVEPE11	BS	253.39007				NONE	
382		CFQ11	BS	6849.97829				NONE	.10621
383		PINO11	LL					NONE	.00327
384		MOPI11	LL					NONE	
385		CFIS11	BS					NONE	
386		MOPNOC11	BS	1201.98233				NONE	
387		TRAN11	BS	5273.18998	.100000E-04			NONE	.59976
388		DETA12	LL					NONE	.58561
389		DESP12	LL					NONE	.20728
390		SOJA12	LL					NONE	
391		MEGA12	BS	23.88967			10.00000	30.00000	
392		MOA12	BS	716.69009				NONE	.27038
393		TEEL2	BS					NONE	.29600
394		CITRIC12	LE	464.54847				NONE	
395		MOIPE12	BS	1013.56029				NONE	
396		MOVEPE12	BS	12711.73529				NONE	
397		CF12	BS	28.64469				NONE	
398		PINO12	BS	94.52747				NONE	
399		MOPI12	BS	834.13331				NONE	
400		CFIS12	BS	1194.24827				NONE	
401		MOPNOC12	BS	443.99266				NONE	
402		MOVEPE20	BS	1775.97065				NONE	
403		MOVEPE20	BS	126.89397				NONE	
404		MOPI20	BS	1509.37505				NONE	
405		MOVEPE25	BS	2131.16478				NONE	
406		MOVEPE25	BS	173.01392				NONE	
407		MOPI25	BS					NONE	

# EMPRESA - C: FAMILIAR GRANDE

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MPSCL EXECUTION

MPSX/370 VIM3

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	290.07289	1.00000		NONE	
229	DESPEI	BS	64.29969			NONE	
230	SUAI	BS	10.90696		25.00000	NONE	
231	MENTA	BS	34.29969		10.00000	30.00000	3.28460
232	MENTA	BS	30.00000			NONE	
233	MOI	BS	917.14984			NONE	
234	TEI	BS	10.90696			NONE	
235	MOIPEI	BS	632.60392			NONE	
236	MOVEPEI	BS	109.06964			NONE	
237	CFUI	BS	11820.30701			NONE	58315
238	PIMOI	BS				NONE	06073
239	MOPI	BS				NONE	
240	CFISI	BS				NONE	00721
241	TRANI	BS				NONE	1.69262
242	DESPE2	BS				NONE	87362
243	DESPE2	BS				NONE	
244	SUJAZ2	BS	27.88913		25.00000	30.00000	3.10356
245	MOA2	BS	30.00000		10.00000	NONE	
246	MOA2	BS	913.94456			NONE	
247	TEIPE2	BS	6.41056			NONE	
248	MOVEPE2	BS	491.78918			NONE	00091
249	CFI2	BS	173.17526			NONE	52521
250	PINU2	BS				NONE	03196
251	MOPI2	BS				NONE	
252	CFIS2	BS				NONE	
253	TRAN2	BS				NONE	
254	DESPE3	BS				NONE	
255	DESPE3	BS				NONE	
256	SUJAZ3	BS	27.88913		25.00000	30.00000	3.03864
257	MOA3	BS	30.00000		10.00000	NONE	
258	MOA3	BS	913.94456			NONE	
259	TEA3	BS				NONE	
260	CITRICO3	BS				NONE	
261	MOIPE3	BS	190.49278			NONE	
262	MOVEPE3	BS	129.54740			NONE	
263	CFI3	BS	2735.32078			NONE	3905706E-05
264	PINU3	BS				NONE	2.65296
265	MOPI3	BS				NONE	1.86147
266	CFIS3	BS				NONE	
267	TRAN3	BS				NONE	
268	DESPE4	BS	4220.66090			NONE	
269	DESPE4	BS				NONE	
270	SUJAZ4	BS				NONE	
271	MOA4	BS	25.00000		25.00000	30.00000	3.54552
272	MOA4	BS	30.00000		10.00000	NONE	2.84896
273	TEA4	BS	912.50000			NONE	1.28110
274	CITRICO4	BS				NONE	1.69403
275	MOIPE4	BS				NONE	
276	MOIPE4	BS	190.49278			NONE	3.13318
							2.15812

NUMBER	MPX/370 VLM3	MP SCL EXECUTION	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
277	MOVEPE4	BS	300.23051					
278	CF04	BS	3635.77668					
279	PINO4	BS	17.40437					
280	MUPI4	BS	57.43443					
281	CFIS4	BS	455.12436					
282	TRAN4	BS	8225.62137					
283	DESA5	BS	79.26211					
284	DESPE5	BS	49.26211					5.11771
285	SOJA5	UL	30.00000			25.00000		
286	MENTA5	BS	924.63106			10.00000		2.91145-
287	MUA5	BS	52.11087					
288	7LB5	BS						
289	CITRIC05	BS	3092.94687					.04355
290	MOIPE5	BS	674.96222					
291	MOVEPE5	BS	43999.76395					
292	CFU5	BS	87.02187					.17546
293	PINO5	BS	631.77875					
294	MOPIS	BS	272.67410					
295	CFIS5	BS	3998.64541					
296	MUPNOC5	BS						
297	TRAN5	BS						
298	DEIA6	BS						
299	DESPE6	BS	46.37298					.87154
300	SOJA6	UL	30.00000			25.00000		.38615
301	MENTA6	BS	923.18649			10.00000		2.87015-
302	MOA6	BS						
303	TEE6	BS						4.68019
304	CITRIC06	BS	573.21961					3.59720
305	MOIPE6	BS	521.10874					
306	MOVEPE6	BS	11235.10444					
307	CFU6	BS						
308	PINO6	BS	104.42624					.67353
309	MUPI6	BS	758.83067					
310	CFIS6	BS	432.93814					
311	MUPNOC6	BS	8697.51740					
312	TRAN6	BS						
313	DESA7	BS						
314	DESPE7	BS						
315	SOJA7	UL	43.48386			25.00000		1.74347
316	MENTA7	BS	30.00000			10.00000		1.37447
317	MUA7	BS	921.74193					2.80614-
318	TEC7	BS						
319	CITRIC07	BS						3.38128
320	MOIPE7	BS	573.21961					1.62910
321	MOVEPE7	BS	312.66524					
322	CFU7	BS	7743.67588					
323	PINO7	BS						
324	MOPIS	BS	104.42624					.33242
325	CFIS7	BS	769.27350					
326	MUPNOC7	BS	432.93814					
327	TRAN7	BS	7313.66662					

MPX/370 VIM3	MPSC EXECUTION	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
329	DESAB	LL	.	.	.	NONE	2.61538
329	DESPE8	LL	.	.	.	NONE	2.36294
330	SUJAB	BS	40.59473	.	25.00000	NONE	2.71934
331	MENTAB	UL	30.00000	.	10.00000	NONE	1.47599
332	MOAB	BS	920.29737	.	.	NONE	.01134
333	TECB	LL	.	.	.	NONE	.
334	CITRIC08	BS	573.21961	.	.	NONE	.
335	MUPE8	BS	1250.64098	.	.	NONE	.
336	MUVEPE8	BS	14955.82085	.	.	NONE	.10038
337	CFL8	LL	.	.	.	NONE	.
338	PIQ8	BS	109.64755	.	.	NONE	.
339	MOPI8	BS	816.78724	.	.	NONE	.
340	CF IS8	BS	432.93814	.	.	NONE	.
341	MUPNOC8	BS	8700.02883	.	.	NONE	.
342	TRAN8	BS	100.72576	.1000000E-04	.	NONE	3.35116
343	DESAB	LL	.	.	25.00000	NONE	2.65495
344	DESPE9	LL	70.72576	.	10.00000	NONE	1.60453
345	SUJAB	BS	30.00000	.	.	NONE	.
346	MENTA9	UL	935.36288	.	.	NONE	.
347	MOA9	BS	67.70561	.	.	NONE	.
348	TECB	LL	.	.	.	NONE	.
349	CITRIC09	BS	3926.92517	.	.	NONE	.
350	MOIPE9	BS	677.05606	.	.	NONE	.
351	MUVEPE9	BS	61656.42627	.	.	NONE	.06646
352	CFC9	LL	.	.	.	NONE	.
353	PINO9	BS	109.64755	.	.	NONE	.
354	MUPE9	BS	827.75199	.	.	NONE	.
355	CFIS9	BS	1735.70999	.1000000E-04	.	NONE	.00632
356	MOPNOC9	BS	.	.	.	NONE	.19053
357	TRAN9	LL	.	.	.	NONE	.13546
358	DESAB	LL	.	.	25.00000	NONE	.46221
359	DESPE10	LL	70.72576	.	10.00000	NONE	1.14501
360	SUJAB	BS	30.00000	.	.	NONE	.82369
361	MENTA10	UL	935.36288	.	.	NONE	.
362	MOA10	BS	.	.	.	NONE	.
363	TECB	LL	.	.	.	NONE	.
364	CITRIC10	BS	744.76167	.	.	NONE	.
365	MUPE10	BS	677.05606	.	.	NONE	.
366	MUVEPE10	BS	16357.67449	.	.	NONE	.26992
367	CFL10	LL	.	.	.	NONE	.
368	PINO10	BS	.	.	.	NONE	.
369	MOPI10	BS	.	.	.	NONE	.
370	CFIS10	BS	2003.74069	.	.	NONE	.
371	MOPNOC10	BS	6348.61461	.1000000E-04	.	NONE	.34598
372	TRAN10	LL	.	.	.	NONE	.31184
373	DESAB	LL	.	.	.	NONE	.46558
374	DESPE11	LL	.	.	.	NONE	.73418
375	SUJAB	BS	70.72576	.	25.00000	NONE	.
376	MENTA11	UL	30.00000	.	10.00000	NONE	.
377	MOA11	BS	935.36288	.	.	NONE	.
378	TECB	LL	.	.	.	NONE	.

NUMBER	MPSX/370 VIM3	COLUMNS	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
379	CITRIC11	EQ						.49922
380	MOVEPE11	BS		744.76167				
381	MOVEPE11	BS		406.23364				
382	CFUI1	BS		10981.84935				.11351
383	PINO11	BS						
384	MUPI11	BS						
385	CFIS11	BS						
386	MOPNOC11	BS		1908.44766				
387	TRANI1	BS		7544.99925	.1000000E-04			
388	DEAL12	LL						
389	SOJA12	BS		54.00529		25.00000		.52151
390	MENTAL12	BS		30.00000		10.00000		.48951
391	MOI12	UL		927.00264			30.00000	.46895-
392	TEI12	BS						.43843
393	CITRIC12	LL						.24284
394	MOVEPE12	BS		744.76167				
395	MOVEPE12	BS		1624.93455				
396	CFUI12	BS		20379.38751				
397	PINO12	BS		100.72576				
398	MUPI12	BS		332.39501				
399	CFIS12	BS		2933.13419				
400	MOPNOC12	BS		1796.62530				
401	MOIPE20	BS		893.48034				
402	MOIPE20	BS		2811.95022				
403	MOVEPE20	BS		406.49372				
404	MOP120	BS		2123.46779				
405	MOIPE25	BS		3221.94604				
406	MOVEPE25	BS		1950.21165				
407	MOP125	BS						

EMPRESA-A: FAMILIAR PROPIAMENTE DICHHA  
HIPOTESIS I-b

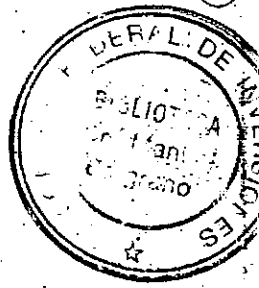
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MPSCL EXECUTION

MPSX/370 VM3

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST...	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	85.35772	1.00000		NONE	
229	DESAL	BS	36.00309			NONE	
230	DESPE1	BS	36.103			NONE	12483
231	SUJAI	BS	25.00000		25.00000	NONE	
232	MENTA1	BS	11.08309		10.00000	30.00000	
233	MUAI	BS	344.99283			NONE	38014
234	TEI	BS				NONE	
235	MOIPE1	BS				NONE	
236	MOVEPE1	BS	3067.06302			NONE	
237	CFOI	BS	2.17489			NONE	
238	PINO1	BS	7.17713			NONE	
239	MOI1	BS	53.28476			NONE	
240	CFIS1	BS	1462.76065	-1000000E-04		NONE	18947
241	TRAN1	BS				NONE	12857
242	DESAL	BS				NONE	23364
243	DESPE2	LL				NONE	
244	SUJAI	BS	25.00000		25.00000	NONE	23920
245	MENTA2	BS	10.72206		10.00000	NONE	00481
246	MOA2	BS	334.16189			NONE	00011
247	TE2	BS				NONE	39113
248	MOIPE2	BS				NONE	
249	MOVEPE2	BS				NONE	
250	CFI2	BS				NONE	
251	PINO2	BS	10.87444			NONE	
252	MOI2	BS	74.59867			NONE	
253	CFIS2	BS	5335.78426	-1000000E-04		NONE	49854
254	TRAN2	BS				NONE	43658
255	DESAL	BS				NONE	23256
256	DESPE3	LL				NONE	
257	SUJAI	BS	25.00000		25.00000	NONE	
258	MENTA3	BS	10.36103		10.00000	NONE	62070
259	MOA3	BS	323.33094			NONE	86690
260	TEA3	BS				NONE	
261	CITRIC03	LL				NONE	00507
262	MOIPE3	BS				NONE	00003
263	MOVEPE3	BS				NONE	22217
264	CFI3	BS				NONE	
265	PINO3	BS	13.04933			NONE	
266	MOI3	BS	88.30047			NONE	74475
267	CFIS3	BS	8215.26581	-1000000E-04		NONE	74472
268	TRAN3	BS				NONE	61754
269	DESAL	BS				NONE	38624
270	DESPE4	LL				NONE	
271	SUJAI	BS	25.00000		25.00000	NONE	01349
272	MENTA4	BS	10.00000		10.00000	NONE	44199
273	MOA4	BS	312.50000			NONE	
274	TEA4	BS				NONE	
275	CITRIC04	LL				NONE	
276	MOIPE4	BS				NONE	



MPX/370 V113	MPCL EXECUTION	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
277	MOVEPE4	BS	.	.	.	NONE	.00069
278	CFD4	LL	.	.	.	NONE	.06499
279	PINU4	LL	.	.	.	NONE	.
280	MOP14	BS	13.04933	.	.	NONE	.
281	CFIS4	BS	90.91033	.	.	NONE	.
282	TRAN4	BS	10608.85119	.1000000E-04	.	NONE	.
283	DESA5	BS	19.55235	.	.	NONE	1.43905
284	DESP5	BS	.	.	.	NONE	.22987
285	SOJAS	LL	.	.	10.00000	30.00000	.
286	SOJAS	BS	19.55235	.	.	NONE	.
287	MUAS	BS	586.57037	.	.	NONE	.
288	MENTA5	BS	34.63897	.	.	NONE	.00639
289	TEB5	BS	.	.	.	NONE	.
290	CITRIC05	LL	2009.06018	.	.	NONE	.
291	MOPES	BS	346.38969	.	.	NONE	.
292	MOVEPE5	BS	25327.29269	.	.	NONE	.
293	CFD5	BS	.	.	.	NONE	.11560
294	PINU5	LL	13.70180	.	.	NONE	.
295	MOP15	BS	95.21661	.	.	NONE	.
296	CFIS5	BS	.	.	.	NONE	.
297	MOPNOC5	BS	7289.56870	.1000000E-04	.	NONE	.29863
298	TRAN5	BS	.	.	.	NONE	.25518
299	DESA6	LL	.	.	.	NONE	.23007
300	DESP6	LL	.	.	.	NONE	.
301	SOJA6	LL	.	.	10.00000	30.00000	.
302	MENTA6	BS	19.19131	.	.	NONE	.87736
303	MOA6	BS	575.73943	.	.	NONE	1.10705
304	TEB6	LL	.	.	.	NONE	.
305	CITRIC06	LL	381.02865	.	.	NONE	.
306	MOPPE6	BS	346.38969	.	.	NONE	.
307	MOVEPE6	BS	7468.16162	.	.	NONE	.25001
308	CFD6	BS	.	.	.	NONE	.
309	PINU6	LL	13.70180	.	.	NONE	.
310	MOP16	BS	97.95697	.	.	NONE	.
311	CFIS6	BS	.	.	.	NONE	.
312	MOPNOC6	BS	7904.96531	.1000000E-04	.	NONE	.59854
313	TRAN6	BS	.	.	.	NONE	.56447
314	DESA7	LL	.	.	.	NONE	.22831
315	DESP7	LL	.	.	.	NONE	.
316	SOJA7	LL	.	.	10.00000	30.00000	.49855
317	MENTA7	BS	19.19131	.	.	NONE	.71882
318	MOA7	BS	575.73943	.	.	NONE	.
319	TEB7	LL	.	.	.	NONE	.
320	CITRIC07	LL	.	.	.	NONE	.
321	MOPPE7	BS	301.02865	.	.	NONE	.
322	MOVEPE7	BS	207.83381	.	.	NONE	.
323	CFD7	BS	5147.35072	.	.	NONE	.
324	PINU7	LL	.	.	.	NONE	.08967
325	MOP17	BS	.	.	.	NONE	.
326	CFIS7	BS	.	.	.	NONE	.00062
327	MOPNOC7	BS	13.04933	.	.	NONE	.
328	TRAN7	BS	4585.21337	.1000000E-04	.	NONE	.



MPSX/370	VIMS	NUMBER	COLUMNS	AT	MPSC EXECUTION	....ACTIVITY....	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
379	CITRIC11	LL	134.84121	BS					NONE	.61309
380	MOVEPE11	BS	111.13403	BS					NONE	
382	CFU11	BS	3008.47093	BS					NONE	.09930
383	PINO11	BS		BS					NONE	.00019
384	CFIS11	LL		BS					NONE	
385	MOPNOC11	BS	875.97870	BS					NONE	.00470
387	TRAN11	BS	7321.65764	BS					NONE	.58092
388	DESAI12	LL		BS					NONE	.51201
389	SOJA12	LL		BS					NONE	
390	MENTA12	LL	10.00000	BS				10.00000	30.00000	.61767
391	MON12	BS	300.00000	BS					NONE	
392	TEEL12	BS	7.11921	BS					NONE	
393	CITRIC12	LL		BS					NONE	
394	MOVEPE12	BS	551.76940	BS					NONE	
395	CFU12	BS	435.45114	BS					NONE	
396	PINO12	BS	10738.54598	BS					NONE	
397	CFIS12	BS	11.99041	BS					NONE	
398	MOPNOC12	BS	39.56835	BS					NONE	
399	CFU12	BS	349.18067	BS					NONE	
400	PINO12	BS	875.97870	BS					NONE	
401	MENTA12	BS	532.73446	BS					NONE	
402	MOVEPE20	BS	1307.29473	BS					NONE	
403	MOPNOC20	BS	52.40589	BS					NONE	
404	MOVEPE20	BS	1082.36532	BS					NONE	
405	MOPNOC25	BS	1490.50502	BS					NONE	
406	MOVEPE25	BS	80.38458	BS					NONE	
407	MOPNOC25	BS		BS					NONE	

# EMPRESA - B: FAMILIAR MEDIA

## HIPOTESIS I - b

MPSCS EXECUTION

MPSCS/370 VM3

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST...	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	139.75346	1.00000	.	NONE	.
229	DESAL	BS	43.79903	.	.	NONE	.
230	DESPE1	BS	.	.	25.00000	NONE	.16151
231	SOJA1	BS	25.00000	.	10.00000	30.00000	.
232	MENTA1	BS	18.79903	.	.	NONE	.
233	MOA1	BS	576.47081	.	.	NONE	.48643
234	TE1	BS	.	.	.	NONE	.
235	MOIPE1	BS	.	.	.	NONE	.
236	MOVEPE1	BS	.	.	.	NONE	.
237	CFU1	BS	3722.91728	.	.	NONE	.11104
238	MOPI1	BS	.	.	.	NONE	.
239	MOPI1	BS	.	.	.	NONE	.
240	CFIS1	BS	.	.1000000E-04	.	NONE	.
241	TRAN1	BS	972.99012	.	.	NONE	.
242	DESAL2	BS	.	.	.	NONE	.24771
243	DESPE2	BS	.	.	.	NONE	.16923
244	SOJA2	BS	25.00000	.	25.00000	30.00000	.30110
245	MENTA2	BS	18.79903	.	10.00000	NONE	.
246	MOA2	BS	576.47081	.	.	NONE	.24116
247	TE2	BS	.	.	.	NONE	.00620
248	MOIPE2	BS	.	.	.	NONE	.
249	MOVEPE2	BS	.	.	.	NONE	.00011
250	CFU2	BS	.	.	.	NONE	.31960
251	MOPI2	BS	.	.	.	NONE	.00074
252	CFIS2	BS	.	.	.	NONE	.
253	TRAN2	BS	.	.1000000E-04	.	NONE	.64571
254	DESAL3	BS	6173.88861	.	.	NONE	.56816
255	DESPE3	BS	.	.	.	NONE	.29855
256	SOJA3	BS	25.00000	.	25.00000	30.00000	.
257	MENTA3	BS	18.79903	.	10.00000	NONE	.56342
258	MOA3	BS	576.47081	.	.	NONE	1.00226
259	TEA3	BS	.	.	.	NONE	.
260	CITRIC03	BS	.	.	.	NONE	.
261	MOIPE3	BS	.	.	.	NONE	.00007
262	MOVEPE3	BS	.	.	.	NONE	.14920
263	CFU3	BS	.	.	.	NONE	.
264	MOPI3	BS	.	.	.	NONE	.00077
265	MOPI3	BS	.	.	.	NONE	.
266	CFIS3	BS	.	.1000000E-04	.	NONE	1.04235
267	TRAN3	BS	10407.90201	.	.	NONE	.96174
268	DESAL4	BS	.	.	.	NONE	.29583
269	DESPE4	BS	.	.	.	NONE	.
270	SOJA4	BS	25.00000	.	25.00000	30.00000	.
271	MENTA4	BS	18.79903	.	10.00000	NONE	.21789
272	MOA4	BS	576.47081	.	.	NONE	.63675
273	TEA4	BS	.	.	.	NONE	.
274	CITRIC04	BS	.	.	.	NONE	.
275	MOIPE4	BS	.	.	.	NONE	.
276	MOVEPE4	BS	.	.	.	NONE	.

MPSX/370 VIM3	MPSCL EXECUTION	NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
277	MOVEPE4	BS							00003
278	CFU4	LL							02448
279	PINO4	BS							00076
280	CFIS4	LL							
281	CFIS4	BS			14261.97416	.1000000E-04			1.35577
282	CFIS4	BS			49.18401				29293
283	CFIS4	BS							
284	CFIS4	BS							
285	CFIS4	BS			25.00000		25.00000		
286	CFIS4	BS			24.18401		10.00000		
287	CFIS4	BS			738.02045				
288	CFIS4	BS			43.79903				
289	CFIS4	BS							
290	CFIS4	BS			2540.34356				29984
291	CFIS4	BS			437.99027				
292	CFIS4	BS			22759.04734				
293	CFIS4	BS							
294	CFIS4	BS							
295	CFIS4	BS							15617
296	CFIS4	BS							00079
297	CFIS4	BS							00004
298	CFIS4	BS							38028
299	CFIS4	BS							31064
300	CFIS4	BS							27837
301	CFIS4	BS			25.00000		25.00000		
302	CFIS4	BS			24.18401		10.00000		
303	CFIS4	BS			738.02045				
304	CFIS4	BS							94743
305	CFIS4	BS							1.30130
306	CFIS4	BS							
307	CFIS4	BS			481.78930				
308	CFIS4	BS			437.99027				22709
309	CFIS4	BS			9443.07019				00073
310	CFIS4	BS							
311	CFIS4	BS							
312	CFIS4	BS							
313	CFIS4	BS			2848.29187	.1000000E-04			74317
314	CFIS4	BS							68487
315	CFIS4	BS							27547
316	CFIS4	BS			25.00000		25.00000		
317	CFIS4	BS			24.18401		10.00000		
318	CFIS4	BS			738.02045				
319	CFIS4	BS							61135
320	CFIS4	BS			481.78930				84074
321	CFIS4	BS			262.79416				
322	CFIS4	BS			6508.53539				
323	CFIS4	BS							07255
324	CFIS4	BS							
325	CFIS4	BS							00075
326	CFIS4	BS							
327	CFIS4	BS			2190.96308	.1000000E-04			

MPSX/370 VIM3	MPSCL EXECUTION	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
NUMBER	..COLUMNS AT	..ACTIVITY...			
328	DESAB	..		NONE	1.10418
329	DESPE8	25.00000	25.00000	NONE	1.34618
330	SUJAB	24.18401	10.00000	NONE	.27015
331	MENTAB	738.02045		30.00000	
332	MEAB			NONE	
333	TEC8			NONE	
334	CITRIC08			NONE	.16416
335	MOIPE8	481.78930		NONE	
336	MUVEPE8	1051.17664		NONE	
337	CF08	12570.32070		NONE	
338	PIN08			NONE	
339	MOPI8			NONE	
340	CFIS8			NONE	.00076
341	MOPNOC8			NONE	
342	TRAN8	4434.61652		NONE	
343	DESA9	30.00000		NONE	
344	DESPE9			NONE	1.42569
345	SUJAB			NONE	.26687
346	MENTA9			NONE	
347	MCA9		10.00000	30.00000	
348	TE09	30.00000		NONE	
349	CITRIC09	900.00000		NONE	.03962-
350	MOIPE9	19.18401		NONE	
351	MUVEPE9	30.00000		NONE	
352	CF09	1502.67287		NONE	
353	PIN09	28118.10454		NONE	
354	MOPI9			NONE	.18864
355	CFIS9			NONE	.00079
356	MOPNOC9			NONE	
357	TRAN9	1094.97567		NONE	.00018
358	DESA10			NONE	.35302
359	DESPE10			NONE	.32864
360	SUJAB			NONE	.20319
361	MENTA10			NONE	
362	MOA10	30.00000	10.00000	30.00000	
363	TE10	900.00000		NONE	.78928
364	CITRIC10			NONE	.95716
365	MOIPE10	301.02416		NONE	
366	MUVEPE10	371.84015		NONE	
367	CF10	10151.85802		NONE	
368	PIN10			NONE	.23359
369	MOPI10			NONE	
370	CFIS10			NONE	
371	MOPNOC10	1094.97567		NONE	
372	TRAN10	6462.11485		NONE	
373	DESA11			NONE	
374	DESPE11			NONE	.26795
375	SUJAB			NONE	.15273
376	MENTA11	30.00000	10.00000	30.00000	.05383-
377	MOA11	900.00000		NONE	
378	TE11			NONE	



# EMPRESA - C: FAMILIAR GRANDE HIPOTESIS I - B

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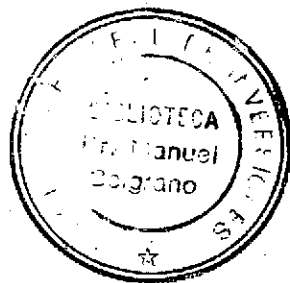
MPSCS EXECUTION

MPSCS/370 VINC

## SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST...	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	251.41371	1.00000	.	NONE	.
229	DESAL	BS	61.54378	.	.	NONE	.
230	DESPEL	BS	9.02737	.	.	NONE	.
231	SOJAL	BS	31.54378	.	25.00000	NONE	3.16526-
232	MENTA1	UL	30.00000	.	10.00000	NONE	.
233	MOA1	BS	915.77189	.	.	NONE	.
234	TEI	BS	9.02737	.	.	NONE	.
235	MUIPEL	BS	523.58750	.	.	NONE	.
236	MOVEPE1	BS	90.27371	.	.	NONE	49469
237	CFOL	BS	10490.92858	.	.	NONE	05852
238	PINO1	BS	.	.	.	NONE	.
239	MOP1	BS	.	.	.	NONE	00695
240	CFIS1	BS	.	1000000E-04	.	NONE	1.62159
241	TRAN1	BS	.	.	.	NONE	84202
242	DESPE2	BS	.	.	.	NONE	75163
243	DESPE2	BS	.	.	.	NONE	2.23904-
244	SOJAL2	UL	25.00000	.	25.00000	NONE	.
245	MENTA2	UL	30.00000	.	10.00000	NONE	.
246	MOA2	BS	912.50000	.	.	NONE	.
247	TE2	BS	6.54378	.	.	NONE	.
248	MUIPE2	BS	478.84032	.	.	NONE	00086
249	MOVEPE2	BS	155.71151	.	.	NONE	13544
250	CFU2	BS	.	.	.	NONE	00733
251	PINO2	BS	.	1000000E-04	.	NONE	6253721E-05
252	MOP12	BS	.	.	.	NONE	3.30814
253	CFIS2	BS	.	.	.	NONE	2.54556
254	TRAN2	BS	.	.	.	NONE	2.92726-
255	DESPE3	BS	.	.	.	NONE	.
256	SOJAL3	UL	25.00000	.	25.00000	NONE	3.33811
257	MENTA3	UL	30.00000	.	10.00000	NONE	.
258	MOA3	BS	912.50000	.	.	NONE	.
259	TEA3	BS	.	.	.	NONE	05953
260	CITRIC03	BS	.	.	.	NONE	00751
261	MUIPE3	BS	171.28266	.	.	NONE	4.16799
262	MOVEPE3	BS	119.60203	.	.	NONE	3.49686
263	CFU3	BS	2507.81972	.	.	NONE	48275
264	PINO3	BS	.	.	.	NONE	2.38348-
265	MOP13	BS	.	.	.	NONE	2.26690
266	CFIS3	BS	.	1000000E-04	.	NONE	1.93615
267	TRAN3	BS	4144.07858	.	.	NONE	.
268	DESPE4	BS	.	.	.	NONE	.
269	SOJAL4	UL	25.00000	.	25.00000	NONE	.
270	MENTA4	UL	30.00000	.	10.00000	NONE	.
271	MOA4	BS	912.50000	.	.	NONE	.
272	TEA4	BS	.	.	.	NONE	.
273	CITRIC04	BS	171.28266	.	.	NONE	.
274	MOVEPE4	BS	.	.	.	NONE	.
275	CFU4	BS	.	.	.	NONE	.
276	PINO4	BS	.	.	.	NONE	.

NUMBER	MPSX/370 VM3	COLUMNS	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
277	MOVEPE4	BS	BS	255.91958			NONE	
278	CF04	BS	BS	3180.55658			NONE	
279	CF04	BS	BS				NONE	
280	CF04	BS	BS				NONE	
281	CF04	BS	BS				NONE	
282	CF04	BS	BS				NONE	
283	CF04	BS	BS				NONE	
284	CF04	BS	BS				NONE	
285	CF04	BS	BS				NONE	
286	CF04	BS	BS				NONE	
287	CF04	BS	BS				NONE	
288	CF04	BS	BS				NONE	
289	CF04	BS	BS				NONE	
290	CF04	BS	BS				NONE	
291	CF04	BS	BS				NONE	
292	CF04	BS	BS				NONE	
293	CF04	BS	BS				NONE	
294	CF04	BS	BS				NONE	
295	CF04	BS	BS				NONE	
296	CF04	BS	BS				NONE	
297	CF04	BS	BS				NONE	
298	CF04	BS	BS				NONE	
299	CF04	BS	BS				NONE	
300	CF04	BS	BS				NONE	
301	CF04	BS	BS				NONE	
302	CF04	BS	BS				NONE	
303	CF04	BS	BS				NONE	
304	CF04	BS	BS				NONE	
305	CF04	BS	BS				NONE	
306	CF04	BS	BS				NONE	
307	CF04	BS	BS				NONE	
308	CF04	BS	BS				NONE	
309	CF04	BS	BS				NONE	
310	CF04	BS	BS				NONE	
311	CF04	BS	BS				NONE	
312	CF04	BS	BS				NONE	
313	CF04	BS	BS				NONE	
314	CF04	BS	BS				NONE	
315	CF04	BS	BS				NONE	
316	CF04	BS	BS				NONE	
317	CF04	BS	BS				NONE	
318	CF04	BS	BS				NONE	
319	CF04	BS	BS				NONE	
320	CF04	BS	BS				NONE	
321	CF04	BS	BS				NONE	
322	CF04	BS	BS				NONE	
323	CF04	BS	BS				NONE	
324	CF04	BS	BS				NONE	
325	CF04	BS	BS				NONE	
326	CF04	BS	BS				NONE	
327	CF04	BS	BS				NONE	



MPSX/370 VIM3	MPSCL EXECUTION	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
328	DESAB	LL	.	.	.	NGNE	2.51989
329	DESPE8	LL	36.94874	.	25.00000	NGNE	2.87447
330	SOJAB	BS	30.00000	.	10.00000	30.00000	2.62032-
331	MENTA8	BS	918.47437	.	.	NGNE	.82434
332	TECH	LL	.	.	.	NGNE	.
333	CITRIC08	BS	.	.	.	NGNE	.
334	MOIPE8	BS	605.00000	.	.	NGNE	.
335	MOVEPE8	BS	1320.00000	.	.	NGNE	.
336	CFI8	BS	15785.00000	.	.	NGNE	.03610
337	PILOB	LL	.	.	.	NGNE	.
338	MOPI8	BS	.	.	.	NGNE	.
339	CFI8	BS	.	.	.	NGNE	.
340	MOPNOC8	BS	389.27877	.	.	NGNE	.
341	TRAN8	BS	6429.11733	.1000000E-04	.	NGNE	.
342	DESAB	BS	85.72417	.	.	NGNE	.
343	DESPE9	LL	53.72417	.	25.00000	NGNE	3.22890
344	SOJA9	BS	30.00000	.	10.00000	30.00000	2.55840-
345	MENTA9	UL	926.86209	.	.	NGNE	.
346	MOA9	BS	36.94874	.	.	NGNE	.
347	TEO9	UL	30.00000	.	.	30.00000	.93729-
348	CITRIC09	BS	2533.02695	.	.	NGNE	.
349	MOIPE9	BS	459.48741	.	.	NGNE	.
350	MOVEPE9	BS	46615.75715	.	.	NGNE	.
351	CFI9	BS	.	.	.	NGNE	.00466
352	MOP19	LL	.	.	.	NGNE	.
353	CFI9	BS	.	.	.	NGNE	.
354	MOI9	BS	1764.27877	.1000000E-04	.	NGNE	.
355	MOPNOC9	BS	.	.	.	NGNE	.00609
356	TRAN9	LL	.	.	.	NGNE	.79242
357	DESAB	LL	.	.	.	NGNE	.73939
358	DESPE10	LL	.	.	.	NGNE	.44509-
359	SOJA10	BS	53.72417	.	25.00000	NGNE	.
360	MENTA10	UL	30.00000	.	10.00000	30.00000	1.10288
361	MOA10	BS	926.86209	.	.	NGNE	.79338
362	TEO10	LL	.	.	.	NGNE	.
363	CITRIC10	LL	.	.	.	NGNE	.
364	MOIPE10	BS	496.43615	.	.	NGNE	.11894
365	MOVEPE10	BS	549.48741	.	.	NGNE	.00080
366	CFI10	BS	14443.81572	.	.	NGNE	.
367	PILOB	LL	.	.	.	NGNE	.
368	MOP10	BS	.	.	.	NGNE	.
369	CFI10	BS	1899.68933	.1000000E-04	.	NGNE	.94212
370	MOPNOC10	LL	6353.84348	.	.	NGNE	1.39014
371	TRAN10	BS	.	.	.	NGNE	.
372	DESAB	LL	.	.	.	NGNE	.
373	DESPE11	LL	53.72417	.	25.00000	NGNE	.44846-
374	SOJA11	BS	30.00000	.	10.00000	30.00000	.22634
375	MENTA11	UL	926.86209	.	.	NGNE	.
376	MOA11	BS	.	.	.	NGNE	.
377	TEO11	LL	.	.	.	NGNE	.
378	CFI11	BS	.	.	.	NGNE	.

NUMBER	COLUMNS	AT	MPXCL EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
379	CITRIC11	BS						
380	MOIPE11	BS		451.43615				
381	MOVEPE11	BS		386.69244				
382	CF11	BS		10469.08572				
383	PI11	BS						
384	MUPI11	BS						
385	CFIS11	LL						
386	MOPNOC11	DS		1862.43547				
387	TKAN11	RS		8762.83567				
388	DESA12	LL						
389	DESP12	LL						
390	SUJA12	BS		39.82596		25.00000		
391	MENTA12	UL		30.00000		10.00000		
392	MDA12	RS		919.91298				
393	TE112	LL						
394	CITRIC12	LL						
395	MOIPE12	BS		466.43615				
396	MOVEPE12	BS		1246.76977				
397	CF12	BS		15633.57091				
398	PI12	BS		83.72417				
399	MUPI12	BS		276.28977				
400	CFIS12	BS		2438.04795				
401	MOPNOC12	BS		1764.27877				
402	MD-PE20	BS		1726.45327				
403	MOVEPE20	BS		3142.68243				
404	MUPI20	BS		293.03461				
405	MUPI25	BS		2642.98434				
406	MOVEPE25	BS		5448.19279				
407	MUPI25	BS		385.13120				

EMPRESA - A: FAMILIAR PROPIAMETE DICHA  
HIPOTESIS II - a

MPSCL EXECUTION

MPSX/370 VIM3

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT..	UPPER LIMIT..	REDUCED COST.
228	COTIERRA	BS	101.28592	1.00000		NONE	
229	DESAL	BS	36.00081			NONE	
230	DESPE1	BS				NONE	12707
231	SOJAL	LL	25.00000		25.00000		
232	MENTAI	BS	11.00881		10.00000	30.00000	
233	MOA1	BS	342.76423			NONE	05267
234	TEIPEL	LL				NONE	
235	MOIPEL	BS				NONE	
236	MOVEPE1	BS	3060.74866			NONE	
237	CFQ1	BS				NONE	00383
238	FINQ1	BS				NONE	
239	MOPI1	LL				NONE	
240	CFIS1	BS		1C00000E-04		NONE	23633
241	CFRAN1	BS	548.89028			NONE	13598
242	DESPE2	LL				NONE	30416
243	DESPE2	LL	25.00000		25.00000	30.00000	
244	SOJA2	LL	11.00881		10.00000		
245	MENTA2	BS	342.76423			NONE	16215
246	MOA2	LL				NONE	
247	TEIPE2	BS				NONE	00016
248	MOIPE2	BS				NONE	24632
249	MOVEPE2	BS				NONE	
250	CFQ2	LL				NONE	
251	MOPI2	LL				NONE	
252	CFIS2	BS				NONE	
253	CFRAN2	BS		1C00000E-04		NONE	66408
254	DESPE3	LL	3708.65640			NONE	56267
255	DESPE3	LL				NONE	29894
256	SOJA3	LL	25.00000		25.00000		
257	SOJA3	BS	11.00881		10.00000	30.00000	
258	MENTA3	BS	342.76423			NONE	72495
259	MOA3	BS				NONE	00830
260	TEA3	BS				NONE	00645
261	CITRICO3	EO				NONE	00010
262	MOIPE3	LL				NONE	12810
263	MOVEPE3	LL				NONE	00037
264	CFQ3	LL				NONE	
265	MOPI3	LL				NONE	1.08777
266	CFIS3	BS		1C00000E-04		NONE	98530
267	CFRAN3	BS	6078.93422			NONE	36523
268	DESPE4	LL				NONE	07169
269	SOJA4	LL	25.00000		25.00000	30.00000	
270	MENTA4	LL	10.00000		10.00000		
271	MOA4	LL				NONE	
272	TEIPE4	BS				NONE	47356
273	MOIPE4	BS				NONE	
274	CITRICO4	EO				NONE	
275	MOVEPE4	BS				NONE	
276	CFQ4	LL				NONE	

MPSX/370	VIM3	MPSCL EXECUTION	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
NUMBER	.COLUMNS	AT	..ACTIVITY...			
277	MOVEPE4	BS			NGNE	.00004
278	CF04	LL			NGNE	
279	PIND04	RS			NGNE	
280	MOP14	BS			NGNE	
281	CF1S4	BS			NGNE	
282	TRANS4	BS	.100000E-04		NGNE	
283	DESPE5	BS			NGNE	1.47537
284	CF05	LL			NGNE	.28796
285	SOJAS	LL		10.00000	30.00000	
286	PENTAS	BS			NGNE	
287	MOAS	BS			NGNE	.06893
288	CF18	BS			NGNE	
289	CITRIC05	BS			NGNE	
290	MOIPE5	BS			NGNE	
291	MOVEPE5	BS			NGNE	.10666
292	CF05	BS			NGNE	
293	PIND05	BS			NGNE	
294	MOP15	BS			NGNE	
295	CF155	BS			NGNE	
296	MOPNOC5	BS	.100000E-04		NGNE	.39907
297	TRANS5	BS			NGNE	.31186
298	CF0A6	LL			NGNE	.28511
299	SCJAG	LL		10.00000	30.00000	
300	CF0A6	LL			NGNE	
301	MENTA6	BS			NGNE	1.08051
302	MOA6	LL			NGNE	1.16256
303	TEB6	LL			NGNE	
304	CITRIC06	BS			NGNE	
305	MOIPE6	BS			NGNE	
306	MOVEPE6	BS			NGNE	.24034
307	CF06	BS			NGNE	.00935
308	PIND6	BS			NGNE	.79634
309	MOP16	BS			NGNE	.72416
310	CF1S6	BS			NGNE	.27921
311	MOPNOC6	BS	.100000E-04		NGNE	
312	TRANS6	BS		10.00000	30.00000	
313	DESPE7	LL			NGNE	.70687
314	SOJAT7	LL			NGNE	.63403
315	MENTA7	BS			NGNE	
316	MOA7	BS			NGNE	
317	TEC7	LL			NGNE	.08441
318	CITRIC07	BS			NGNE	
319	MOIPE7	BS			NGNE	
320	MOVEPE7	BS			NGNE	
321	CF07	BS			NGNE	
322	PIND7	BS			NGNE	
323	MOP17	BS			NGNE	
324	CF1S7	BS			NGNE	
325	MOPNOC7	BS	.100000E-04		NGNE	
326	TRANS7	BS			NGNE	
327						

MPX/370 VIMS	NUMBER	COLUMNS	AT	MPXCL EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
	328	DESAR	LL						
	329	DESPE8	LL						1.18870
	330	SOJAB	LL						1.13170
	331	MENTA8	BS	25.33011			10.00000	30.00000	1.27018
	332	MOA8	BS	755.90331					
	333	TEC8	LL						
	334	CITFIC08	LL						
	335	MOIPE8	BS	372.90211					
	336	MOVEPE8	BS	815.78861					
	337	CF08	BS	9755.47218					
	338	PIND8	LL						
	339	MOPI8	BS	38.28608					
	340	CFIS8	BS	285.20085					
	341	MOPNOC8	LL						
	342	TRAN8	BS						
	343	DESPE9	BS	5568.71797					
	344	DESPE9	LL	24.74196					
	345	SOJAB	BS						
	346	MENTA9	BS	24.74196					
	347	MOA9	BS	742.25872			10.00000	30.00000	
	348	TEO9	BS	24.32130					
	349	CITRIC09	BS						
	350	MOIPE9	BS	141C.63556					
	351	MOVEPE9	BS	243.21303					
	352	CF09	BS	21175.83194					
	353	PINO9	BS						
	354	MOPI9	BS	38.28608					
	355	CFIS9	BS	285.02649					
	356	MOPNOC9	BS	845.77581					
	357	TRAN9	LL						
	358	DESAL9	LL						
	359	DESPE10	LL						
	360	SOJAB	BS						
	361	MENTA10	BS	24.74196			10.00000	30.00000	
	362	MOA10	BS	742.25872					
	363	TEO10	LL						
	364	CITFIC10	LL						
	365	MOIPE10	BS	267.53433					
	366	MOVEPE10	BS	243.21303					
	367	CF010	BS	5876.02673					
	368	PINO10	LL						
	369	MOPI10	BS						
	370	CFIS10	BS						
	371	MOPNOC10	BS	886.24274					
	372	TRAN10	BS	3304.91020					
	373	DESAL1	LL						
	374	DESPE11	LL						
	375	SOJAB11	BS						
	376	MENTA11	BS	24.74196			10.00000	30.00000	
	377	MOA11	BS	742.25872					
	378	TEO11	LL						

MPSX/370	VIM3	NUMBER	.COLUMNS	AT	MPSCL EXECUTION	....ACTIVITY....	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
379	CITPIC11	379	EQ	EQ	267.53432					.64427
380	MOIPE11	380	BS	BS	145.92782					
381	MOVEPE11	381	BS	BS	3944.91529					.09697
382	CFUI11	382	BS	BS						.00071
383	PINO11	383	BS	BS						
384	MOP111	384	BS	BS						
385	CFIS11	385	BS	BS						
386	MOPNOC11	386	BS	BS	876.51529					.01645
387	TRAN11	387	BS	BS	5032.21319					.17979
388	DESA12	388	BS	BS						
389	DESP12	389	BS	BS						
390	SOJA12	390	BS	BS						
391	MENTAL2	391	BS	BS	18.57789			10.00000	30.00000	
392	MDA12	392	BS	BS	557.33667					.33632
393	TEEL12	393	BS	BS	2.46631					
394	CITRIC12	394	BS	BS	410.58037					
395	MOIPE12	395	BS	BS	608.37437					
396	MOVEPE12	396	BS	BS	9458.31046					
397	CFQ12	397	BS	BS	22.27563					
398	PINO12	398	BS	BS	73.50563					
399	MOP112	399	BS	BS	648.66682					
400	CFIS12	400	BS	BS	871.04585					
401	MUPNOC12	401	BS	BS	303.89403					
402	MOIPE20	402	BS	BS	2655.12458					
403	MOVEPE20	403	BS	BS	96.80329					
404	MOP120	404	BS	BS	1003.64397					
405	MOIPE25	405	BS	BS	1448.82610					
406	MOVEPE25	406	BS	BS	131.63832					
407	MOP125	407	BS	BS						

EMPRESA - B: FAMILIAR MEDIA  
HIPOTESIS II - a

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MPSX/370 VIM3

MPSCL EXECUTION

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	177.56285	1.00000	.	NONE	.
229	DESAL	BS	55.00000	.	.	NONE	.
230	DESPE1	BS	8.93162	.	.	NONE	30045
231	SOJA1	LL	25.00000	.	25.00000	NONE	.
232	MENTA1	BS	30.00000	.	10.00000	30.00000	.
233	MOA1	BS	912.50000	.	.	NONE	.
234	TE1PE1	BS	518.93162	.	.	NONE	.
235	MOVPE1	BS	518.03422	.	.	NONE	.
236	CF01	BS	85.31624	.	.	NONE	13895
237	PINO1	BS	9878.92170	.	.	NONE	00905
238	MOPI1	LL	.	.	.	NONE	.
239	CFIS1	LL	.	.	.	NONE	.
240	TRAN1	BS	683.15695	1.00000E-04	.	NONE	.
241	CESA2	LL	.	.	.	NONE	56296
242	DESPE2	LL	.	.	.	NONE	32715
243	SOJA2	LL	25.00000	.	25.00000	NONE	02894
244	MENTA2	LL	30.00000	.	10.00000	NONE	68581-
245	MGA2	RS	912.50000	.	.	NONE	31135
246	TE2	LL	.	.	.	NONE	.
247	MOIPE2	LL	98.24787	.	.	NONE	.
248	MOVPE2	BS	85.31624	.	.	NONE	00030
249	CF02	BS	.	.	.	NONE	20263
250	PINO2	LL	.	.	.	NONE	.
251	MOPI2	LL	.	.	.	NONE	00222
252	CFIS2	LL	.	.	.	NONE	88091
253	TRAN2	BS	7085.27924	1.00000E-04	.	NONE	64403
254	CESA3	LL	.	.	.	NONE	.
255	DESPE3	LL	.	.	.	NONE	69826-
256	SOJA3	LL	25.00000	.	25.00000	NONE	51026
257	MENTA3	LL	30.00000	.	10.00000	NONE	1.23082
258	MGA3	BS	912.50000	.	.	NONE	00020
259	TEA3	BS	.	.	.	NONE	17055
260	CITRIC03	LL	.	.	.	NONE	00228
261	MOIPE3	BS	98.24787	.	.	NONE	1.17088
262	MOVPE3	BS	53.58575	.	.	NONE	93294
263	CF03	BS	.	.	.	NONE	68158
264	PINO3	LL	.	.	.	NONE	.
265	MOPI3	LL	.	.	.	NONE	35532
266	CFIS3	LL	.	.	.	NONE	1.02194
267	TRAN3	BS	12070.58250	1.00000E-04	.	NONE	.
268	CESA4	LL	.	.	.	NONE	.
269	DESPE4	LL	.	.	.	NONE	.
270	SOJA4	LL	25.00000	.	25.00000	NONE	.
271	MENTA4	LL	28.23147	.	10.00000	NONE	.
272	MGA4	BS	859.44421	.	.	NONE	.
273	TEA4	BS	.	.	.	NONE	.
274	CITRIC04	LL	.	.	.	NONE	.
275	MOIPE4	BS	98.24787	.	.	NONE	.
276	MOVPE4	BS	.	.	.	NONE	.

MPSX/370	VIM3	COLUMNS	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
277	MOV EPE4	BS		214.35E99				.00010
278	CF04	BS		10.55377				
279	PINO4	BS		35.13745				
280	CFI34	BS		278.59618				
281	TRAM4	BS		15456.55298				
282	DES A5	BS		56.76853				1.90439
283	DES P5	BS		26.76853				.66473-
284	SOJ A5	BS		30.00000				
285	MENT A5	BS		913.38426				
286	MOA5	BS		51.46255				
287	TER5	BS		2984.85094				.20909
288	CITRIC05	BS		514.62547				
289	MOIPE5	BS		35635.79698				
290	MOV EPE5	BS		53.26887				.04733
291	CF05	BS		386.73198				
292	PINO5	BS		223.29061				
293	CFI35	BS		6911.16425				
294	MOIPE5	BS						
295	CFI35	BS						
296	MOIPE5	BS						
297	TRANS	BS						
298	DES A6	BS						
299	DES P6	BS						
300	SCJ A6	BS						
301	MENT A6	BS						
302	MOA6	BS						
303	TER6	BS						
304	CITRIC06	BS						
305	MOIPE6	BS						
306	MOV EPE6	BS						
307	CF06	BS						
308	PINO6	BS						
309	CFI36	BS						
310	MOIPE6	BS						
311	MOIPE6	BS						
312	TRAM6	BS						
313	DES A7	BS						
314	DES P7	BS						
315	SOJ A7	BS						
316	MENT A7	BS						
317	MOA7	BS						
318	TER7	BS						
319	CITRIC07	BS						
320	MOIPE7	BS						
321	MOV EPE7	BS						
322	CF07	BS						
323	PINO7	BS						
324	CFI37	BS						
325	MOIPE7	BS						
326	MOIPE7	BS						
327	TRAM7	BS						

MPX/370 V1M3	MPSC EXECUTION	..ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
NUMBER	COLUMNS	AT				
328	DESPE8	LL	..	25.00000	NONE	1.61630
329	SOJA8	LL	..	10.00000	NONE	1.48056
330	MENTA8	BS	..	..	NONE	.61311
331	MOA8	BS	..	..	NONE	..
332	TEC8	BS	..	..	NONE	1.05676
333	CITRIC08	BS	..	..	NONE	.17408
334	MOIPE8	BS	..	..	NONE	..
335	MOVEPE8	BS	..	..	NONE	..
336	CF08	BS	..	..	NONE	.04427
337	PIN08	BS	..	..	NONE	..
338	MOI8	BS	..	..	NONE	..
339	CFIS8	BS	..	..	NONE	..
340	MCNQC8	BS	..	..	NONE	..
341	TRAN8	BS	..	..	NONE	..
342	DESPE9	BS	..	..	NONE	..
343	CF09	BS	..	..	NONE	2.38734
344	MENTA9	BS	..	..	NONE	..
345	SCJA9	BS	..	10.00000	NONE	.59555-
346	MOA9	BS	..	..	NONE	..
347	TFD9	BS	..	..	NONE	1.09253-
348	CITRIC09	BS	..	..	NONE	..
349	MOIPE9	BS	..	..	NONE	..
350	MOVEPE9	BS	..	..	NONE	..
351	CF09	BS	..	..	NONE	.07735
352	PIN09	BS	..	..	NONE	..
353	MOI9	BS	..	..	NONE	..
354	CFIS9	BS	..	..	NONE	..
355	MCNQC9	BS	..	..	NONE	.00057
356	TRAN9	BS	..	..	NONE	..
357	DESPE10	BS	..	..	NONE	..
358	SCJA10	BS	..	..	NONE	.43509-
359	MOA10	BS	..	10.00000	NONE	..
360	MENTA10	BS	..	..	NONE	1.74053
361	TEC10	BS	..	..	NONE	1.00218
362	CITRIC10	BS	..	..	NONE	..
363	MOIPE10	BS	..	..	NONE	..
364	MOVEPE10	BS	..	..	NONE	..
365	CF010	BS	..	..	NONE	.29174
366	PIN010	BS	..	..	NONE	..
367	MOI10	BS	..	..	NONE	.00173
368	CFIS10	BS	..	..	NONE	..
369	MCNQC10	BS	..	..	NONE	..
370	TRAN10	BS	..	..	NONE	.04301
371	DESPE11	BS	..	..	NONE	..
372	CF011	BS	..	..	NONE	..
373	MENTA11	BS	..	..	NONE	.43761-
374	SCJA11	BS	..	..	NONE	..
375	MOA11	BS	..	10.00000	NONE	1.29168
376	TEC11	BS	..	..	NONE	..
377	CITRIC11	BS	..	..	NONE	..
378	MOIPE11	BS	..	..	NONE	..

MPSX/370 VIM3		MPSCL EXECUTION		..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
NUMBER	COLUMNS	AT	..ACTIVITY...				
379	CITRIC11	EQ					.81547
380	MOIPE11	BS	546.63863				
381	MOVEPE11	BS	298.16652				
382	CFOL11	BS	8060.43508				.15532
383	PINQ11	LL					.00940
384	MOPI11	LL					
385	CFIS11	BS					
386	MOPNOC11	BS					
387	TRAN11	BS	1556.74090				.08388
388	DESAL12	LL	4028.18949	.10000000E-04			.04361
389	DESPE12	LL					.44012
390	SOJAL12	BS					
391	MENTAL12	BS	29.61749		10.00000		
392	MOAL12	BS	888.52471				.91865
393	TEFL12	LL					.67258
394	CITRIC12	EQ					
395	MOIPE12	BS	546.63863				
396	MOVEPE12	BS	1192.66610				
397	CFOL12	BS	14958.02068				
398	PINQ12	BS	117.19151				
399	MOPI12	BS	117.19151				
400	CFIS12	BS	1034.12628				
401	MOPNOC12	BS	1547.15250				
402	MOIPE20	BS	657.62446				
403	MOVEPE20	BS	2237.50635				
404	MOPI20	BS	157.33232				
405	MOIPE25	BS	1764.33232				
406	MOVEPE25	BS	2695.51003				
407	MOP125	BS					

# EMPRESA - C: FAMILIAR GRANDE

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MPSCL EXECUTION

MPSX/370 VLM3

### SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPLT COST...	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	499.24650	1.00000	.	NONE	.
229	DESAL	BS	72.34685	.	.	NONE	.
230	SOJA1	BS	.	.	25.00000	NONE	.
231	MENTAL	UL	42.34685	.	10.00000	30.00000	2.84146-
232	MENTAL	UL	30.00000	.	.	NONE	.
233	MOA1	BS	921.17345	.	.	NONE	.02053
234	TEI	BS	.	.	.	NONE	.
235	MOIPE1	LL	.	.	.	NONE	.
236	MOVEPE1	BS	6145.48574	.	.	NONE	.09353
237	CFI1	LL	.	.	.	NONE	.08563
238	MCPI1	LL	.	.	.	NONE	.
239	CFI1	BS	.	.	.	NONE	.01246
240	CFI1	LL	.	.1000000E-04	.	NONE	2.42371
241	TRANI	LL	.	.	.	NONE	1.52714
242	CESPE2	LL	.	.	.	NONE	.
243	CESPE2	LL	.	.	.	NONE	2.71756-
244	SOJA2	BS	34.58079	.	25.00000	30.00000	.
245	MENTA2	UL	30.00000	.	10.00000	NONE	.
246	MOA2	BS	917.29035	.	.	NONE	.
247	TE2	BS	7.76610	.	.	NONE	.
248	MOIPE2	BS	450.43386	.	.	NONE	.00004
249	MOVEPE2	BS	77.66101	.	.	NONE	.
250	CFI2	LL	.	.	.	NONE	.
251	PINO2	BS	.	.	.	NONE	.00559
252	CFI2	LL	.	.	.	NONE	.00089
253	CFI2	LL	.	.	.	NONE	3.40730
254	TRAN2	LL	.	.1000000E-04	.	NONE	2.62192
255	CESPE3	LL	.	.	.	NONE	.
256	CESPE3	LL	.	.	.	NONE	2.36818-
257	SOJA3	BS	25.97250	.	25.00000	NONE	.
258	MENTA3	UL	30.00000	.	10.00000	NONE	2.93929
259	MOA3	BS	914.98625	.	.	NONE	.
260	TEA3	BS	4.60825	.	.	NONE	.06125
261	CITRIC03	EO	352.70821	.	.	NONE	.00773
262	MOIPE3	BS	123.74396	.	.	NONE	4.29296
263	MOVEPE3	BS	4428.53535	.	.	NONE	3.50177
264	CFI3	BS	.	.	.	NONE	.49651
265	PINO3	LL	.	.	.	NONE	1.80783-
266	MCPI3	BS	.	.1000000E-04	.	NONE	.14612
267	CFI3	LL	2490.32814	.	.	NONE	1.49531
268	TRAN3	BS	.	.	.	NONE	.
269	CESPE4	LL	.	.	.	NONE	.
270	SOJA4	LL	25.00000	.	25.00000	NONE	.
271	MENTA4	LL	30.00000	.	10.00000	NONE	.
272	MENTA4	UL	912.50000	.	.	NONE	.
273	MOA4	BS	.	.	.	NONE	.
274	TEA4	LL	.	.	.	NONE	.
275	CITRIC04	EO	136.11836	.	.	NONE	.
276	MOIPE4	BS	.	.	.	NONE	.

MP5X/370 VIM3	NUMBER	COLUMNS	AT	MP5CL EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
	277	MOVPE4	BS	92.67556					
	278	CF04	BS	2011.23251					
	279	PINO4	BS	29.95479					
	280	MOPI4	BS	98.85081					
	281	CFIS4	BS	781.31776					
	282	TRANS4	BS	359.2.59528					
	283	DESAS	BS	137.93323					
	284	DESPE5	LL	107.93325					5.07828
	285	SOJAS	BS	30.00000					
	286	MENTAS	UL	953.96662					2.24032-
	287	MOAS	BS	50.02750					
	288	TRANS	BS						
	289	CITRICOS	BS						17183
	290	MOIPE5	BS	3037.71264					
	291	MOVEPE5	BS	714.31124					
	292	CF05	BS	48567.99390					
	293	PINO5	LL						
	294	MOPI5	BS	149.77385					22050
	295	CFIS5	BS	1087.35837					
	296	MOPNOC5	BS						
	297	TRANS	BS	1899.44826					
	298	DESAS	LL						
	299	DESPE6	LL						86481
	300	SOJAS	BS	102.96075					38316
	301	MENTAS	UL	30.00000					
	302	MOAS	BS	951.48038					2.19851-
	303	TEB6	BS						4.64415
	304	CITRICOS	BS	600.59380					3.69810
	305	MOIPE6	BS	610.37413					
	306	MOVEPE6	BS	12011.73645					
	307	CF06	BS						
	308	PINO6	LL	179.72874					66002
	309	MOPI6	BS	1306.02884					
	310	CFIS6	BS	194.15252					
	311	MOPNOC6	BS	8436.62470					
	312	TRANS	BS						
	313	DESAS	LL						
	314	DESPE7	LL						
	315	SOJAS	BS	97.98826					1.73001
	316	MENTAS	UL	90.00000					1.36386
	317	MOAS	BS	948.99413					2.13417-
	318	TEC7	BS						
	319	CITRICOS	BS	550.30255					3.35526
	320	MOIPE7	BS	300.16503					1.74516
	321	MOVEPE7	BS	7434.08722					
	322	CF07	BS						
	323	PINO7	LL						
	324	MOPI7	BS	179.72874					30388
	325	CFIS7	BS	1324.00171					
	326	MOPNOC7	BS	309.35990					
	327	TRANS	BS	8304.60333					



MPSX/370 VLM3		MPSCL EXECUTION		..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
NUMBER	COLUMNS	AT	..ACTIVITY...				
379	CITRIC11	BS	1258.47556	..	..	..	..31906
380	MOIPE11	BS	1708.25551	..	..	..	..
381	MOVEPE11	BS	19144.51818	..	..	..	..
383	CFIC11	BS	..	..	..	..	..08343
384	PINO11	BS	..	..	..	..	..00027
385	CFIS11	BS	..	..	..	..	..
386	MGPNOC11	BS	1808.34011	..	..	..	..
387	TRAN11	BS	17159.66221	..	..	..	..
388	DESPE12	BS	..	..	..	..	..03176
389	SOJA12	BS	160.93242	..	..	..	..
390	MENTA12	BS	30.00000	..	..	..	..34713-
391	MOA12	BS	980.46671	..	..	..	..43505
392	TEEL12	BS	..	..	..	..	..24097
393	CITRIC12	BS	1298.47556	..	..	..	..
394	MOIPE12	BS	2833.03387	..	..	..	..
395	MOVEPE12	BS	25531.03387	..	..	..	..
397	CFIC12	BS	2233.93696	..	..	..	..
398	PINO12	BS	735.49197	..	..	..	..
399	CFIS12	BS	6666.64425	..	..	..	..
400	MGPNOC12	BS	1734.01371	..	..	..	..
401	MOIPE20	BS	995.41906	..	..	..	..
402	MOVEPE20	BS	5086.05366	..	..	..	..
403	MOIPE25	BS	894.13521	..	..	..	..
404	MOIPE25	BS	2574.37467	..	..	..	..
405	MOVEPE25	BS	4295.61966	..	..	..	..
406	MOIPE25	BS	5303.32236	..	..	..	..
407	MOIPE25	BS	..	..	..	..	..

EMPRESA - A : FAMILIAR PROPIAMENTE DICHA  
HIPOTESIS II - b

MPSX/370 VIM3 MPSCL EXECUTION

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
228	COTIERRA	BS	97.98425	1.00000		NONE	
229	CESAL	BS	35.00000			NONE	
230	DESPEL	BS			25.00000	NONE	.12005
231	SOJAL	BS	25.00000		10.00000	30.00000	
232	MENTAL	BS	10.00000			NONE	.45633
233	MCAL	BS	312.50000			NONE	
234	TEL	BS				NONE	
235	MOIPEL	BS				NONE	
236	MOVEPEL	BS	2975.00000			NONE	.01348
237	CFOL	BS				NONE	
238	PILOL	BS				NONE	
239	MOPI	BS				NONE	
240	CFISI	BS				NONE	
241	TRANI	BS	303.75000	.1000000E-04		NONE	
242	DESPE2	BS			25.00000	NONE	.22366
243	SOJA2	BS	25.00000		10.00000	30.00000	.12880
244	MENTA2	BS	10.00000			NONE	.28753
245	MOA2	BS	312.50000			NONE	
246	TF2	BS				NONE	.58651
247	MOIPE2	BS				NONE	
248	MOVEPE2	BS				NONE	.00014
249	CFO2	BS				NONE	.22837
250	PILO2	BS				NONE	
251	MOPI2	BS				NONE	.00089
252	CFIS2	BS				NONE	
253	TRAN2	BS	3009.25000	.1000000E-04		NONE	.62809
254	DESPE3	BS				NONE	1.11996
255	SOJA3	BS	25.00000		25.00000	NONE	.32672
256	MENTA3	BS	10.00000		10.00000	NONE	.04395
257	MOA3	BS	312.50000			NONE	
258	TEA3	BS				NONE	.54744
259	CITRIC03	BS				NONE	
260	MOIPE3	BS				NONE	.00009
261	MOVEPE3	BS				NONE	.04051
262	CFO3	BS				NONE	
263	PILO3	BS				NONE	.00092
264	MOPI3	BS				NONE	
265	CFIS3	BS				NONE	1.07287
266	TRAN3	BS	4947.97500	.1000000E-04		NONE	.97588
267	DESPE4	BS			25.00000	NONE	.32606
268	SOJA4	BS	25.00000		10.00000	30.00000	.04823
269	MENTA4	BS	10.00000			NONE	
270	MOA4	BS	312.50000			NONE	.72683
271	TEA4	BS				NONE	
272	CITRIC04	BS				NONE	
273	MOIPE4	BS				NONE	
274	MOVEPE4	BS				NONE	
275	CFO4	BS				NONE	
276	PILO4	BS				NONE	
277	MOPI4	BS				NONE	
278	CFIS4	BS				NONE	
279	TRAN4	BS				NONE	
280	DESPE5	BS				NONE	
281	SOJA5	BS				NONE	
282	MENTA5	BS				NONE	
283	MOA5	BS				NONE	
284	TEA5	BS				NONE	
285	CITRIC05	BS				NONE	
286	MOIPE5	BS				NONE	
287	MOVEPE5	BS				NONE	
288	CFO5	BS				NONE	
289	PILO5	BS				NONE	
290	MOPI5	BS				NONE	
291	CFIS5	BS				NONE	
292	TRAN5	BS				NONE	
293	DESPE6	BS				NONE	
294	SOJA6	BS				NONE	
295	MENTA6	BS				NONE	
296	MOA6	BS				NONE	
297	TEA6	BS				NONE	
298	CITRIC06	BS				NONE	
299	MOIPE6	BS				NONE	
300	MOVEPE6	BS				NONE	
301	CFO6	BS				NONE	
302	PILO6	BS				NONE	
303	MOPI6	BS				NONE	
304	CFIS6	BS				NONE	
305	TRAN6	BS				NONE	
306	DESPE7	BS				NONE	
307	SOJA7	BS				NONE	
308	MENTA7	BS				NONE	
309	MOA7	BS				NONE	
310	TEA7	BS				NONE	
311	CITRIC07	BS				NONE	
312	MOIPE7	BS				NONE	
313	MOVEPE7	BS				NONE	
314	CFO7	BS				NONE	
315	PILO7	BS				NONE	
316	MOPI7	BS				NONE	
317	CFIS7	BS				NONE	
318	TRAN7	BS				NONE	
319	DESPE8	BS				NONE	
320	SOJA8	BS				NONE	
321	MENTA8	BS				NONE	
322	MOA8	BS				NONE	
323	TEA8	BS				NONE	
324	CITRIC08	BS				NONE	
325	MOIPE8	BS				NONE	
326	MOVEPE8	BS				NONE	
327	CFO8	BS				NONE	
328	PILO8	BS				NONE	
329	MOPI8	BS				NONE	
330	CFIS8	BS				NONE	
331	TRAN8	BS				NONE	
332	DESPE9	BS				NONE	
333	SOJA9	BS				NONE	
334	MENTA9	BS				NONE	
335	MOA9	BS				NONE	
336	TEA9	BS				NONE	
337	CITRIC09	BS				NONE	
338	MOIPE9	BS				NONE	
339	MOVEPE9	BS				NONE	
340	CFO9	BS				NONE	
341	PILO9	BS				NONE	
342	MOPI9	BS				NONE	
343	CFIS9	BS				NONE	
344	TRAN9	BS				NONE	
345	DESPE10	BS				NONE	
346	SOJA10	BS				NONE	
347	MENTA10	BS				NONE	
348	MOA10	BS				NONE	
349	TEA10	BS				NONE	
350	CITRIC10	BS				NONE	
351	MOIPE10	BS				NONE	
352	MOVEPE10	BS				NONE	
353	CFO10	BS				NONE	
354	PILO10	BS				NONE	
355	MOPI10	BS				NONE	
356	CFIS10	BS				NONE	
357	TRAN10	BS				NONE	
358	DESPE11	BS				NONE	
359	SOJA11	BS				NONE	
360	MENTA11	BS				NONE	
361	MOA11	BS				NONE	
362	TEA11	BS				NONE	
363	CITRIC11	BS				NONE	
364	MOIPE11	BS				NONE	
365	MOVEPE11	BS				NONE	
366	CFO11	BS				NONE	
367	PILO11	BS				NONE	
368	MOPI11	BS				NONE	
369	CFIS11	BS				NONE	
370	TRAN11	BS				NONE	
371	DESPE12	BS				NONE	
372	SOJA12	BS				NONE	
373	MENTA12	BS				NONE	
374	MOA12	BS				NONE	
375	TEA12	BS				NONE	
376	CITRIC12	BS				NONE	
377	MOIPE12	BS				NONE	
378	MOVEPE12	BS				NONE	
379	CFO12	BS				NONE	
380	PILO12	BS				NONE	
381	MOPI12	BS				NONE	
382	CFIS12	BS				NONE	
383	TRAN12	BS				NONE	
384	DESPE13	BS				NONE	
385	SOJA13	BS				NONE	
386	MENTA13	BS				NONE	
387	MOA13	BS				NONE	
388	TEA13	BS				NONE	
389	CITRIC13	BS				NONE	
390	MOIPE13	BS				NONE	
391	MOVEPE13	BS				NONE	
392	CFO13	BS				NONE	
393	PILO13	BS				NONE	
394	MOPI13	BS				NONE	
395	CFIS13	BS				NONE	
396	TRAN13	BS				NONE	
397	DESPE14	BS				NONE	
398	SOJA14	BS				NONE	
399	MENTA14	BS				NONE	
400	MOA14	BS				NONE	
401	TEA14	BS				NONE	
402	CITRIC14	BS				NONE	
403	MOIPE14	BS				NONE	
404	MOVEPE14	BS				NONE	
405	CFO14	BS				NONE	
406	PILO14	BS				NONE	
407	MOPI14	BS				NONE	
408	CFIS14	BS				NONE	
409	TRAN14	BS				NONE	
410	DESPE15	BS				NONE	
411	SOJA15	BS				NONE	
412	MENTA15	BS				NONE	
413	MOA15	BS				NONE	
414	TEA15	BS				NONE	
415	CITRIC15	BS				NONE	
416	MOIPE15	BS				NONE	
417	MOVEPE15	BS				NONE	
418	CFO15	BS				NONE	
419	PILO15	BS				NONE	
420	MOPI15	BS				NONE	
421	CFIS15	BS				NONE	
422	TRAN15	BS				NONE	
423	DESPE16	BS				NONE	
424	SOJA16	BS				NONE	
425	MENTA16	BS				NONE	
426	MOA16	BS				NONE	
427	TEA16	BS				NONE	
428	CITRIC16	BS				NONE	
429	MOIPE16	BS				NONE	
430	MOVEPE16	BS				NONE	
431	CFO16	BS				NONE	
432	PILO16	BS				NONE	
433	MOPI16	BS				NONE	
434	CFIS16	BS				NONE	
435	TRAN16	BS				NONE	
436	DESPE17	BS				NONE	
437	SOJA17	BS				NONE	
438	MENTA17	BS				NONE	
439	MOA17	BS				NONE	
440	TEA17	BS				NONE	
441	CITRIC17	BS				NONE	
442	MOIPE17	BS				NONE	
443	MOVEPE17	BS				NONE	
444	CFO17	BS				NONE	
445	PILO17	BS				NONE	
446	MOPI17	BS				NONE	
447	CFIS17	BS				NONE	
448	TRAN17	BS				NONE	
449	DESPE18	BS				NONE	
450	SOJA18	BS				NONE	
451	MENTA18	BS				NONE	
452	MOA18	BS				NONE	
453	TEA18	BS				NONE	
454	CITRIC18	BS				NONE	
455	MOIPE18	BS				NONE	
456	MOVEPE18	BS				NONE	
457	CFO18	BS				NONE	
458	PILO18	BS				NONE	
459	MOPI18	BS				NONE	
460	CFIS18	BS				NONE	
461	TRAN18	BS				NONE	
462	DESPE19	BS				NONE	
463	SOJA19	BS				NONE	
464	MENTA19	BS				NONE	
465	MOA19	BS				NONE	
466	TEA19	BS				NONE	
467	CITRIC19	BS				NONE	
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MPSX/370 VIM3	NUMBER	MPSCS EXECUTION	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
	277	MOVEPE4	BS					.00005
	278	CF04	LL					.00666
	279	PINO4	LL					.00091
	280	MOPI4	BS					
	281	CFIS4	LL					
	282	TRAN4	BS		.100000E-04			1.42010
	283	DESAP5	LL	6592.95000				.27271
	284	DESAP5	LL	26.38760				
	285	SOJA5	LL			10.00000	30.00000	
	286	MENTA5	BS	26.38760				
	287	MOA5	BS	791.62812				
	288	TFB5	BS	35.00000				.35275
	289	CITRIC05	LL				30.00000	
	290	MOIPE5	BS	2030.00000				
	291	MOVEPE5	BS	350.00000				
	292	CF05	BS	21672.29135				
	293	PINO5	LL					.11111
	294	MOPI5	BS					.00094
	295	CFIS5	LL					
	296	MOPI5	BS					.00001
	297	TFB5	BS		.100000E-04			.37783
	298	CEAP6	LL					.29397
	299	CEAP6	LL					.25663
	300	SOJA6	LL					
	301	MENTA6	BS	26.38760		10.00000	30.00000	
	302	MOA6	BS	791.62813				1.04388
	303	TEB6	LL					1.42011
	304	CITRIC06	LL					
	305	MOIPE6	BS	385.00000				
	306	MOVEPE6	BS	350.00000				
	307	CF06	BS	7546.00000				.23505
	308	PINO6	LL					.00090
	309	MOPI6	BS					
	310	CFIS6	LL					.74935
	311	MOPI6	BS	2152.01536	.100000E-04			.67954
	312	TRAN6	BS					.26130
	313	DESAP7	LL					
	314	DESAP7	LL					
	315	SOJA7	LL					
	316	MENTA7	BS	26.38760		10.00000	30.00000	.70277
	317	MOA7	BS	791.62813				.92680
	318	TEC7	LL					
	319	CITRIC07	LL					
	320	MOIPE7	BS	385.00000				
	321	MOVEPE7	BS	210.00000				
	322	CF07	BS	5201.00000				.07977
	323	PINO7	LL					.00093
	324	MOPI7	BS					
	325	CFIS7	LL					
	326	MOPI7	BS					
	327	TRAN7	BS	868.12795	.100000E-04			

MPSX/370	VIM3	MPSCL EXECUTION	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
328	CE\$A8	LL	..	..	..	..	NONE	1.11652
329	CE\$PE8	LL	..	..	..	..	NONE	1.42954
330	CE\$JAB	LL	..	..	..	..	NONE	1.25301
331	MENTA8	BS	..	26.38760	..	10.00000	30.00000	..
332	MOA8	BS	..	791.62813	..	..	..	..
333	TEC8	BS	..	..	..	..	..	..
334	CITRIC08	LL	..	..	..	..	..	..
335	CITRPER	BS	..	385.00000	..	..	..	..
336	MOVPE8	BS	..	846.00000	..	..	..	..
337	CF08	BS	..	10045.00000	..	..	..	..
338	FIN08	BS	..	..	..	..	..	..
339	MOP18	BS	..	..	..	..	..	..
340	CFIS8	LL	..	..	..	..	..	..
341	MOPNDC8	BS	..	..	..	..	..	..
342	TRAN8	BS	..	1802.87530	..	..	..	..
343	DESAB	LL	..	24.83854	..	..	..	..
344	CE\$PE9	LL	..	..	..	..	..	..
345	SCJA9	BS	..	24.83854	..	10.00000	30.00000	..
346	MENTA9	BS	..	745.15624	..	..	..	..
347	MDA9	BS	..	..	..	..	..	..
348	TE09	LL	..	..	..	..	..	..
349	CITRIC09	BS	..	26.38760	..	..	..	..
350	MOTPE9	BS	..	343.03886	..	..	..	..
351	MOVPE9	BS	..	75.16281	..	..	..	..
352	CF09	BS	..	11368.04760	..	..	..	..
353	PIN09	LL	..	..	..	..	..	..
354	MOP19	BS	..	..	..	..	..	..
355	CEIS9	BS	..	..	..	..	..	..
356	MOPNDC9	BS	..	875.00000	..	..	..	..
357	TEA9	LL	..	..	..	..	..	..
358	CE\$A10	BS	..	..	..	..	..	..
359	CE\$PE10	BS	..	..	..	..	..	..
360	SCJA10	LL	..	..	..	..	..	..
361	MENTA10	BS	..	24.83854	..	10.00000	30.00000	..
362	MDA10	BS	..	745.15624	..	..	..	..
363	TE010	LL	..	..	..	..	..	..
364	CITRIC10	BS	..	75.16281	..	..	..	..
365	MOTPE10	BS	..	158.32563	..	..	..	..
366	MOVPE10	BS	..	4852.68042	..	..	..	..
367	CF010	BS	..	..	..	..	..	..
368	PINQ10	BS	..	..	..	..	..	..
369	MOP110	BS	..	..	..	..	..	..
370	CEFIS10	BS	..	..	..	..	..	..
371	MOPNDC10	BS	..	875.00000	..	..	..	..
372	TRAN10	BS	..	4993.09545	..	..	..	..
373	DESPE11	LL	..	..	..	..	..	..
374	SCJA11	LL	..	..	..	..	..	..
375	MENTA11	BS	..	24.83854	..	10.00000	30.00000	..
376	MDA11	BS	..	745.15624	..	..	..	..
377	TEE11	LL	..	..	..	..	..	..



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MPSX/370 VIM3 MPSQL EXECUTION

### SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	...ACTIVITY...	...INPUT COST...	...LOWER LIMIT...	...UPPER LIMIT...	...REDUCED COST...
228	COTIERPA	BS	162.78776	1.00000		NONE	
229	DESPE1	BS	35.00000			NONE	
230	SOJAL	BS	25.00000		25.00000	NONE	21995-
231	MENTAL	BS	30.00000		10.00000	30.00000	
232	MOI	BS	912.50000			NONE	
233	TELPEL	BS	188.53707			NONE	
234	MOIPEL	BS	32.53225			NONE	
235	MOVEPE1	BS	6570.45917			NONE	00663
236	CFN1	BS				NONE	
237	PINO1	BS				NONE	
238	MOPI1	BS				NONE	
239	CFIS1	BS				NONE	19136
240	TRAN1	BS	1573.60264	1.00000E-04		NONE	46902
241	DESPE2	BS				NONE	52412-
242	SOJAL2	BS	25.00000		25.00000	30.00000	
243	MENTA2	BS	30.00000		10.00000	NONE	
244	MOA2	BS	912.50000			NONE	
245	TE2	BS	35.78548			NONE	
246	MOIPE2	BS	32.53225			NONE	00023
247	CFN2	BS				NONE	33874
248	PINO2	BS				NONE	
249	MOPI2	BS				NONE	
250	CFIS2	BS				NONE	
251	TRAN2	BS	9395.62455	1.00000E-04		NONE	
252	DESPE3	BS				NONE	40357
253	SOJAL3	BS	25.00000		25.00000	NONE	22959
254	MENTA3	BS	30.00000		10.00000	30.00000	49011
255	MOA3	BS	912.50000			NONE	02275-
256	TEA3	BS	35.78548			NONE	88103
257	MOIPE3	BS	19.51935			NONE	1.88305
258	CFN3	BS				NONE	
259	PINO3	BS				NONE	00016
260	MOPI3	BS				NONE	20695
261	CFIS3	BS				NONE	00109
262	TRAN3	BS	15926.54584	1.00000E-04		NONE	1.10694
263	DESPE4	BS				NONE	93189
264	SOJAL4	BS	25.00000		25.00000	30.00000	50142
265	MENTA4	BS	20.53759		10.00000	NONE	
266	MOA4	BS	628.62780			NONE	
267	TEA4	BS	584.60507			NONE	1.24083
268	MOIPE4	BS				NONE	
269	CFN4	BS				NONE	
270	PINO4	BS				NONE	
271	MOPI4	BS				NONE	
272	CFIS4	BS				NONE	
273	TRAN4	BS				NONE	
274	DESPE5	BS				NONE	
275	SOJAL5	BS				NONE	
276	MENTA5	BS				NONE	

MPX/370	VIM3	NUMBF	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
277		MOVEPE4	BS	172.70147	.	.	.	NONE	.00008
278		CF04	LL	.	.	.	.	NONE	.04151
279		CF04	LL	.	.	.	.	NONE	.00165
280		MOPI4	RS	.	.	.	.	NONE	.
281		CF154	LL	.	.	.	.	NONE	.
282		TRANS4	BS	10245.36825	.1000000E-04	.	.	NONE	1.64656
283		DESPE5	BS	55.00000	.	.	.	NONE	.48980-
284		CF05	LL	25.00000	.	25.00000	30.00000	NONE	.
285		SOJA5	BS	30.00000	.	10.00000	.	NONE	.
286		MENTA5	RS	912.50000	.	.	.	NONE	.64593
287		MCA5	BS	45.53759	.	.	30.00000	NONE	.
288		CF15	LL	.	.	.	.	NONE	.
289		CITRIC05	LL	2745.26688	.	.	.	NONE	.
290		MOIPE5	BS	550.00000	.	.	.	NONE	.05517
291		MOVEPE5	BS	33141.48979	.	.	.	NONE	.00169
292		CF05	BS	.	.	.	.	NONE	.
293		PINQ5	LL	.	.	.	.	NONE	.
294		CF15	LL	.	.	.	.	NONE	.
295		CF15	LL	81.33063	.1000000E-04	.	.	NONE	.18903
296		MOPNOC5	BS	1964.32691	.	.	.	NONE	.03819
297		TRANS	LL	.	.	.	.	NONE	.48292
298		CESA6	LL	.	.	.	.	NONE	.
299		DESPE6	LL	25.00000	.	25.00000	30.00000	NONE	1.54750
300		SOJA6	LL	30.00000	.	10.00000	.	NONE	2.15050
301		MENTA6	BS	912.50000	.	.	.	NONE	.
302		MCA6	BS	.	.	.	.	NONE	.
303		TER6	LL	.	.	.	.	NONE	.31561
304		CITRIC06	LL	605.00000	.	.	.	NONE	.00163
305		MOIPE6	BS	512.15037	.	.	.	NONE	.
306		MOVEPE6	BS	11191.84656	.	.	.	NONE	.86196
307		CF06	LL	.	.	.	.	NONE	.73653
308		PINQ6	LL	.	.	.	.	NONE	.47098
309		MCA6	BS	.	.	.	.	NONE	.
310		CF156	LL	81.33062	.1000000E-04	.	.	NONE	.
311		MOPNOC6	BS	5160.93157	.	.	.	NONE	.94370
312		TRANS	LL	.	.	.	.	NONE	1.25859
313		CF07	LL	.	.	.	.	NONE	.
314		DESPE7	LL	25.00000	.	25.00000	30.00000	NONE	.
315		SOJA7	LL	30.00000	.	10.00000	.	NONE	.
316		MENTA7	BS	912.50000	.	.	.	NONE	.10803
317		MCA7	BS	.	.	.	.	NONE	.00168
318		TER7	LL	.	.	.	.	NONE	.
319		CITRIC07	LL	605.00000	.	.	.	NONE	.
320		MOIPE7	BS	500.32332	.	.	.	NONE	.
321		MOVEPE7	BS	5350.12340	.	.	.	NONE	.
322		CF07	BS	.	.	.	.	NONE	.
323		PINQ7	LL	.	.	.	.	NONE	.
324		MOPI7	LL	.	.	.	.	NONE	.
325		CF157	LL	81.33062	.	.	.	NONE	.
326		MCA7	BS	4140.22386	.1000000E-04	.	.	NONE	.
327		TER7	LL	.	.	.	.	NONE	.
328		CF157	LL	.	.	.	.	NONE	.
329		MOPNOC7	BS	.	.	.	.	NONE	.
330		TRANS	LL	.	.	.	.	NONE	.

MPSX/370 VIMS		MPSCL EXECUTION		..INPUT COST..		..LOWER LIMIT.		..UPPER LIMIT.		.REDUCED COST.	
NUMBER	COLUMNS	AT	..ACTIVITY...								
328	DESA8	LL	.	.	.	.	.	NGNE	1.52383		
329	DESA8	LL	25.00000	.	.	25.00000	.	NGNE	1.76435		
330	SOJAB	LL	30.00000	.	.	10.00000	.	NGNE	1.19296		
331	MENTAB	UL	912.50000	.	.	.	.	30.00000	.26093-		
332	TECB	BS	.	.	.	.	.	NGNE	.		
333	CITRIC08	BS	.	.	.	.	.	NGNE	.18558		
334	MOIPE8	BS	500.91252	.	.	.	.	NGNE	.		
335	MOVEPE8	BS	1092.90224	.	.	.	.	NGNE	.		
336	CF08	BS	13065.28526	.	.	.	.	NGNE	.		
337	PINO8	BS	.	.	.	.	.	NGNE	.		
338	MOPI8	BS	.	.	.	.	.	NGNE	.		
339	CFIS8	BS	.	.	.	.	.	NGNE	.		
340	MCPNOC8	BS	317.89080	.	.	.	.	NGNE	.		
341	TRAN8	BS	6388.24259	.	.	.	.	NGNE	1.83435		
342	DESA9	BS	30.00000	.	.	.	.	NGNE	.		
343	DESA9	BS	.	.	.	.	.	NGNE	.		
344	SOJAB	LL	.	.	.	.	.	NGNE	.		
345	MENTA9	BS	30.00000	.	.	10.00000	.	30.00000	.44156-		
346	MOA9	UL	900.00000	.	.	.	.	NGNE	.		
347	TEF09	BS	25.00000	.	.	.	.	30.00000	.14880-		
348	CITRIC09	UL	30.00000	.	.	.	.	NGNE	.		
349	MOIPE9	BS	1840.00000	.	.	.	.	NGNE	.		
350	MOVEPE9	BS	340.00000	.	.	.	.	NGNE	.		
351	CF09	BS	32675.00000	.	.	.	.	NGNE	.25272		
352	PINO9	LL	.	.	.	.	.	NGNE	.		
353	MOPI9	BS	.	.	.	.	.	NGNE	.		
354	CFIS9	BS	.	.	.	.	.	NGNE	.		
355	MOPNOC9	BS	1456.33062	.	.	.	.	NGNE	.00044		
356	TRAN9	LL	.	.	.	.	.	NGNE	.18913		
357	LESA10	LL	.	.	.	.	.	NGNE	1.16700		
358	LESA10	LL	.	.	.	.	.	NGNE	.		
359	LESA10	BS	.	.	.	.	.	NGNE	.31792-		
360	SCJALO	UL	30.00000	.	.	10.00000	.	30.00000	.16213		
361	MENTALO	BS	900.00000	.	.	.	.	NGNE	.30208		
362	MOALO	BS	.	.	.	.	.	NGNE	.		
363	TEF10	LL	.	.	.	.	.	NGNE	.		
364	CITRIC10	LL	.	.	.	.	.	NGNE	.		
365	MOIPE10	BS	365.00000	.	.	.	.	NGNE	.		
366	MOVEPE10	BS	430.00000	.	.	.	.	NGNE	.		
367	CFR10	BS	11557.00000	.	.	.	.	NGNE	.29067		
368	PINO10	BS	.	.	.	.	.	NGNE	.		
369	MCP10	BS	.	.	.	.	.	NGNE	.		
370	CFIS10	BS	.	.	.	.	.	NGNE	.		
371	MOPNOC10	BS	1505.12901	.	.	.	.	NGNE	.33247		
372	TRAN10	BS	4526.36546	.	.	.	.	NGNE	.30097		
373	DESA11	LL	.	.	.	.	.	NGNE	.21578		
374	DESA11	LL	.	.	.	.	.	NGNE	.10456-		
375	SOJAB11	UL	.	.	.	.	.	30.00000	.		
376	MENTA11	UL	30.00000	.	.	10.00000	.	NGNE	.64026		
377	MOA11	BS	900.00000	.	.	.	.	NGNE	.		
378	TEF11	LL	.	.	.	.	.	NGNE	.		

MPSX/370	VIM3	NUMBER	COLUMNS	AT	MPSCL EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED.COST.
379	CITRIC11	LL	320.00000	LL	320.00000	1.03151			NONE	
380	MOVPE11	BS	315.00000	BS	315.00000				NONE	
381	MOVPE11	BS	8531.00000	BS	8531.00000				NONE	
382	CF011	LL		LL					NONE	
383	PINJ11	BS		BS					NONE	
384	MDP11	BS		BS					NONE	
385	CF1S11	BS		BS					NONE	
386	MDPND11	BS	1456.33062	BS	1456.33062				NONE	
387	TFAN11	LL	7116.48157	LL	7116.48157				NONE	
388	CF1S11	BS		BS					NONE	
389	CF1S11	BS		BS					NONE	
390	CF1S11	BS		BS					NONE	
391	CF1S11	BS		BS					NONE	
392	CF1S11	BS		BS					NONE	
393	CF1S11	BS		BS					NONE	
394	CF1S11	BS		BS					NONE	
395	CF1S11	BS		BS					NONE	
396	CF1S11	BS		BS					NONE	
397	CF1S11	BS		BS					NONE	
398	CF1S11	BS		BS					NONE	
399	CF1S11	BS		BS					NONE	
400	CF1S11	BS		BS					NONE	
401	CF1S11	BS		BS					NONE	
402	CF1S11	BS		BS					NONE	
403	CF1S11	BS		BS					NONE	
404	CF1S11	BS		BS					NONE	
405	CF1S11	BS		BS					NONE	
406	CF1S11	BS		BS					NONE	
407	CF1S11	BS		BS					NONE	

EMPRESA-C: FAMILIAR GRANDE  
HIPOTESIS II-b

MPSX/370 VIM3 MPSCL EXECUTION

SECTION 2 - COLUMNS

NUMER	.COLUMNS	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
228	COTIERRA	BS	457.29501	1.00000	.	NDNE	.
229	DESAL	BS	72.34685	.	.	NDNE	.
230	GESPE1	BS	.	.	.	NDNE	.
231	SOJA1	BS	42.34685	.	25.00000	NDNE	2.93808-
232	MENTA1	UL	30.00000	.	10.00000	30.00000	.
233	MOA1	BS	921.17345	.	.	NDNE	.
234	TE1	BS	.	.	.	NDNE	.
235	MOIPE1	BS	.	.	.	NDNE	.
236	MOVPE1	BS	6145.48574	.	.	NDNE	82612
237	CFQ1	BS	.	.	.	NDNE	08854
238	POPI1	LL	.	.	.	NDNE	.
239	NOPI1	LL	.	.	.	NDNE	.
240	CFIS1	BS	.	1000000E-04	.	NDNE	01338
241	TRAN1	LL	.	.	.	NDNE	2.48850
242	DESPE2	LL	.	.	.	NDNE	1.61365
243	SOJA2	BS	34.58079	.	25.00000	NDNE	2.65169-
244	MENTA2	UL	30.00000	.	10.00000	30.00000	.
245	MOA2	BS	917.29035	.	.	NDNE	.
246	TE2	BS	77.76610	.	.	NDNE	.
247	MOIPE2	BS	450.43386	.	.	NDNE	00004
248	MOVPE2	BS	77.66101	.	.	NDNE	31965
249	CFQ2	LL	.	.	.	NDNE	.
250	POPI2	LL	.	.	.	NDNE	.
251	NOPI2	BS	.	.	.	NDNE	.
252	CFIS2	BS	.	1000000E-04	.	NDNE	00057
253	TRAN2	LL	.	.	.	NDNE	3.45136
254	DESPE3	LL	.	.	.	NDNE	2.68190
255	SOJA3	BS	29.03222	.	25.00000	NDNE	2.40422-
256	MENTA3	UL	30.00000	.	10.00000	30.00000	.
257	MOA3	BS	914.51612	.	.	NDNE	3.23577
258	TEA3	BS	5.54856	.	.	NDNE	.
259	CITRICO3	LL	.	.	.	NDNE	.
260	MOIPE3	BS	407.24350	.	.	NDNE	.
261	MOVPE3	BS	133.14655	.	.	NDNE	14459
262	CFQ3	BS	5019.96512	.	.	NDNE	03376
263	POPI3	LL	.	.	.	NDNE	.
264	NOPI3	LL	.	.	.	NDNE	.
265	CFIS3	BS	.	1000000E-04	.	NDNE	4.35028
266	TRAN3	BS	2212.16999	.	.	NDNE	3.67666
267	DESPE4	LL	.	.	.	NDNE	2.59003
268	SOJA4	UL	25.00000	.	25.00000	30.00000	2.08034-
269	MENTA4	UL	30.00000	.	10.00000	NDNE	.
270	MOA4	BS	912.50000	.	.	NDNE	.
271	TEA4	BS	4.03222	.	.	NDNE	1.76184
272	CITRICO4	LL	.	.	.	NDNE	.
273	MOIPE4	BS	380.33069	.	.	NDNE	.



MPSX/370	VIM3	NUMBER	COLUMNS	AT	MPSCI EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
277	MOVEPE4	BS	142.40451	..	..	..	..	..	..	..
278	CH04	BS	4793.40749	..	..	..	..	..	..	..
279	PINO4	BS	..	..	..	..	..	..	..	..
280	MOPI4	BS	..	..	..	..	..	..	..	..
281	CFIS4	BS	..	..	..	..	..	..	..	..
282	TRAN4	BS	3245.74756	..	..	..	..	..	..	..
283	DESA5	BS	124.90783	..	..	..	..	..	..	..
284	DESPA5	BS	..	..	..	..	..	..	..	..
285	SOJA5	BS	94.90783	..	..	..	..	..	..	..
286	DESPA5	BS	30.00000	..	..	..	..	..	..	..
287	MENTA5	BS	947.45391	..	..	..	..	..	..	..
288	MOA5	BS	55.00000	..	..	..	..	..	..	..
289	TER5	BS	..	..	..	..	..	..	..	..
290	CITRIC05	BS	3380.81580	..	..	..	..	..	..	..
291	MOIPE5	BS	810.00000	..	..	..	..	..	..	..
292	MOVEPE5	BS	51821.65574	..	..	..	..	..	..	..
293	CF05	BS	..	..	..	..	..	..	..	..
294	PINO5	BS	..	..	..	..	..	..	..	..
295	MOPI5	BS	..	..	..	..	..	..	..	..
296	CFIS5	BS	..	..	..	..	..	..	..	..
297	MOPNOC5	BS	..	..	..	..	..	..	..	..
298	TEAN5	BS	..	..	..	..	..	..	..	..
299	DESA6	BS	..	..	..	..	..	..	..	..
300	DESPA6	BS	..	..	..	..	..	..	..	..
301	SOJA6	BS	94.90783	..	..	..	..	..	..	..
302	MENTA6	BS	30.00000	..	..	..	..	..	..	..
303	MOA6	BS	947.45391	..	..	..	..	..	..	..
304	TER6	BS	..	..	..	..	..	..	..	..
305	CITRIC06	BS	710.38869	..	..	..	..	..	..	..
306	MOIPE6	BS	707.35879	..	..	..	..	..	..	..
307	MOVEPE6	BS	13919.39652	..	..	..	..	..	..	..
308	CF06	BS	..	..	..	..	..	..	..	..
309	PINO6	BS	..	..	..	..	..	..	..	..
310	MOPI6	BS	..	..	..	..	..	..	..	..
311	CFIS6	BS	194.15253	..	..	..	..	..	..	..
312	MOPNOC6	BS	5735.41128	..	..	..	..	..	..	..
313	TRAN6	BS	..	..	..	..	..	..	..	..
314	LESA7	BS	..	..	..	..	..	..	..	..
315	DESPA7	BS	..	..	..	..	..	..	..	..
316	SOJA7	BS	94.90783	..	..	..	..	..	..	..
317	MENTA7	BS	30.00000	..	..	..	..	..	..	..
318	MOA7	BS	947.45391	..	..	..	..	..	..	..
319	TEC7	BS	..	..	..	..	..	..	..	..
320	CITRIC07	BS	649.35455	..	..	..	..	..	..	..
321	MOIPE7	BS	426.77356	..	..	..	..	..	..	..
322	MOVEPE7	BS	9273.79923	..	..	..	..	..	..	..
323	CF07	BS	..	..	..	..	..	..	..	..
324	PINO7	BS	..	..	..	..	..	..	..	..
325	MOPI7	BS	..	..	..	..	..	..	..	..
326	CFIS7	BS	..	..	..	..	..	..	..	..
327	MOPNOC7	BS	332.86649	..	..	..	..	..	..	..
328	TRAN7	BS	5703.35970	..	..	..	..	..	..	..

MPSX/370	VIM3	COLUMNS	AT	MPSCL EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
328	DESAB	LL	LL	94.90783	...	...	25.00000	NONE	2.52757
329	LESPE8	BS	LL	30.00000	...	...	10.00000	NONE	2.87916
330	SUJAB	UL	BS	947.45391	...	...	...	30.00000	1.95603-
331	MENTAB	RS	RS	...	...	...	...	NONE	.80559
332	MOAB	LL	LL	...	...	...	...	NONE	...
333	TECRIC08	RS	LL	605.00000	...	...	...	NONE	...
334	MOIPE8	BS	RS	1320.00000	...	...	...	NONE	...
335	MOVEPE8	BS	BS	15785.00000	...	...	...	NONE	...
336	CF08	BS	BS	...	...	...	...	NONE	...
337	PIN08	LL	LL	...	...	...	...	NONE	...
338	MOPI8	BS	LL	...	...	...	...	NONE	...
339	CFIS8	BS	BS	...	...	...	...	NONE	...
340	MOPI0C8	BS	BS	433.67228	...	...	...	NONE	...
341	TRAN8	BS	BS	10237.48625	...	...	...	NONE	...
342	DESAB9	BS	BS	205.16842	...	...	...	NONE	...
343	DESAB9	BS	LL	...	...	...	...	NONE	...
344	DESAB9	BS	LL	...	...	...	...	NONE	...
345	SUJAB9	UL	BS	175.16842	...	...	...	NONE	...
346	MOAB9	BS	LL	30.00000	...	...	...	NONE	...
347	TECRIC09	BS	LL	987.58421	...	...	...	NONE	...
348	MOIPE9	UL	BS	94.90783	...	...	...	NONE	...
349	MOVEPE9	BS	BS	30.00000	...	...	...	NONE	...
350	CF09	BS	BS	5894.65387	...	...	...	NONE	...
351	PIN09	LL	LL	1039.07825	...	...	...	NONE	...
352	MOPI9	BS	LL	102390.03196	...	...	...	NONE	...
353	CFIS9	BS	LL	...	...	...	...	NONE	...
354	MOPNUC9	BS	LL	1808.67228	...	...	...	NONE	...
355	TRAN9	LL	LL	...	...	...	...	NONE	...
356	LESAB0	LL	LL	...	...	...	...	NONE	...
357	LESAB0	LL	LL	...	...	...	...	NONE	...
358	LESAB0	LL	LL	...	...	...	...	NONE	...
359	SUJAB0	UL	BS	175.16842	...	...	...	NONE	...
360	MENTAB0	UL	BS	30.00000	...	...	...	NONE	...
361	MOAB0	BS	BS	987.58421	...	...	...	NONE	...
362	TECRIC10	LL	LL	...	...	...	...	NONE	...
363	MOIPE10	BS	LL	1133.98608	...	...	...	NONE	...
364	MOVEPE10	BS	BS	1129.07825	...	...	...	NONE	...
365	CF010	BS	BS	28446.73058	...	...	...	NONE	...
366	PIN010	LL	LL	...	...	...	...	NONE	...
367	MOPI10	BS	LL	...	...	...	...	NONE	...
368	CFIS10	BS	LL	...	...	...	...	NONE	...
369	MOPNUC10	BS	LL	1808.67228	...	...	...	NONE	...
370	TRAN10	BS	LL	15955.92745	...	...	...	NONE	...
371	DESAB11	LL	LL	...	...	...	...	NONE	...
372	DESAB11	LL	LL	...	...	...	...	NONE	...
373	SUJAB11	UL	BS	175.16842	...	...	...	NONE	...
374	MENTAB11	UL	BS	30.00000	...	...	...	NONE	...
375	MOAB11	BS	BS	987.58421	...	...	...	NONE	...
376	TECRIC11	LL	LL	...	...	...	...	NONE	...
377	MOPI11	BS	LL	...	...	...	...	NONE	...
378	CFIS11	BS	LL	...	...	...	...	NONE	...



# EMPRESA - B: FAMILIAR MEDIA

## HIPOTESIS III - a

MPSCL EXECUTION

MPSX/370 VLM3

### SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST...	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	155.44655	1.00000		NONE	
229	DESAL1	BS	52.30822			NONE	.19849
230	DESAL1	LL	25.79082		25.00000	NONE	
231	SOJAI1	BS	25.00000		10.00000	30.00000	
232	MENTAI	BS	27.30822			NONE	.82165
233	MOA1	LL	831.74665			NONE	
234	TEIPEL	BS				NONE	
235	MOIPE1	BS				NONE	
236	CFI1	BS	4446.19896			NONE	
237	PINO1	BS	4.76275			NONE	
238	MOPI1	BS	15.71708			NONE	
239	CFISI1	BS	116.68743	.100000E-04		NONE	.30865
240	CFANI1	BS	3651.70376			NONE	.21244
241	DESPE2	LL			25.00000	NONE	.36910
242	DESPE2	LL	25.00000		10.00000	30.00000	
243	SOIA2	BS	26.51761			NONE	
244	MENTA2	BS	806.02818			NONE	1.03277
245	MOA2	LL				NONE	
246	TEF2	BS				NONE	.00006
247	MOIPE2	BS				NONE	.24533
248	MOIPE2	LL				NONE	
249	CFI2	BS				NONE	
250	PINO2	LL	23.81376			NONE	.79630
251	MOPI2	BS	163.36241			NONE	.69902
252	CFIS2	BS	12823.80615	.100000E-04		NONE	.36508
253	CFIS2	LL				NONE	
254	CFIS2	LL				NONE	
255	CFIS2	LL				NONE	
256	CFIS2	LL				NONE	
257	CFIS2	LL				NONE	
258	CFIS2	LL				NONE	
259	CFIS2	LL				NONE	
260	CFIS2	LL				NONE	
261	CFIS2	LL				NONE	
262	CFIS2	LL				NONE	
263	CFIS2	LL				NONE	
264	CFIS2	LL				NONE	
265	CFIS2	LL				NONE	
266	CFIS2	LL				NONE	
267	CFIS2	LL				NONE	
268	CFIS2	LL				NONE	
269	CFIS2	LL				NONE	
270	CFIS2	LL				NONE	
271	CFIS2	LL				NONE	
272	CFIS2	LL				NONE	
273	CFIS2	LL				NONE	
274	CFIS2	LL				NONE	
275	CFIS2	LL				NONE	
276	CFIS2	LL				NONE	

MPSX/370 VIMS		MPSCL EXECUTION		..ACTIVITY...		..INPUT COST..		..LOWER LIMIT.		..UPPER LIMIT.		.REDUCED COST.	
NUMBER	COLUMNS	AT	..ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	.REDUCED COST.						
277	MOVEPE4	BS	5.533335				.8395631E-05						
278	CFN4	BS	47.91819										
279	MUPI4	BS	346.91819										
280	CFI54	BS	26473.65248	.1000000E-04									
281	TRAV4	BS	25.00000		25.00000		1.66342						
282	DESPE5	BS	26.65248		10.00000		35650						
283	SOJA5	BS	872.07388										
284	MOVE5	BS	47.26882										
285	SOJA5	BS	2741.58288				.03355						
286	CFI55	BS	472.65843										
287	TRAV4	BS	12051.61274				.04234						
288	CFN5	BS	58.27310										
289	MUPI5	BS	413.72995										
290	CFI55	BS		.1000000E-04			.00870						
291	TRAV4	BS	25.00000		25.00000		.00012						
292	DESPE5	BS	26.65248		10.00000		.46222						
293	SOJA5	BS	872.07388				.37806						
294	MOVE5	BS	47.26882				.30881						
295	SOJA5	BS	2741.58288										
296	CFI55	BS	472.65843				1.15261						
297	TRAV4	BS	12051.61274				1.22055						
298	CFN5	BS	58.27310										
299	MUPI5	BS	413.72995										
300	CFI55	BS		.1000000E-04									
301	TRAV4	BS	25.00000		25.00000		.22845						
302	DESPE5	BS	26.65248		10.00000								
303	SOJA5	BS	872.07388										
304	MOVE5	BS	47.26882										
305	SOJA5	BS	2741.58288										
306	CFI55	BS	472.65843				.86480						
307	TRAV4	BS	12051.61274				.79321						
308	CFN5	BS	58.27310				.30320						
309	MUPI5	BS	413.72995										
310	CFI55	BS		.1000000E-04									
311	TRAV4	BS	25.00000		25.00000								
312	DESPE5	BS	26.65248		10.00000								
313	SOJA5	BS	872.07388				.76353						
314	MOVE5	BS	47.26882				.71331						
315	SOJA5	BS	2741.58288										
316	CFI55	BS	472.65843										
317	TRAV4	BS	12051.61274										
318	CFN5	BS	58.27310										
319	MUPI5	BS	413.72995				.07879						
320	CFI55	BS		.1000000E-04									
321	TRAV4	BS	25.00000		25.00000								
322	DESPE5	BS	26.65248		10.00000								
323	SOJA5	BS	872.07388										
324	MOVE5	BS	47.26882										
325	SOJA5	BS	2741.58288										
326	CFI55	BS	472.65843										
327	TRAV4	BS	12051.61274										
328	CFN5	BS	58.27310										
329	MUPI5	BS	413.72995										
330	CFI55	BS		.1000000E-04									
331	TRAV4	BS	25.00000		25.00000								
332	DESPE5	BS	26.65248		10.00000								
333	SOJA5	BS	872.07388										
334	MOVE5	BS	47.26882										
335	SOJA5	BS	2741.58288										
336	CFI55	BS	472.65843										
337	TRAV4	BS	12051.61274										
338	CFN5	BS	58.27310										
339	MUPI5	BS	413.72995										
340	CFI55	BS		.1000000E-04									
341	TRAV4	BS	25.00000		25.00000								
342	DESPE5	BS	26.65248		10.00000								
343	SOJA5	BS	872.07388										
344	MOVE5	BS	47.26882										
345	SOJA5	BS	2741.58288										
346	CFI55	BS	472.65843										
347	TRAV4	BS	12051.61274										
348	CFN5	BS	58.27310										
349	MUPI5	BS	413.72995										
350	CFI55	BS		.1000000E-04									
351	TRAV4	BS	25.00000		25.00000								
352	DESPE5	BS	26.65248		10.00000								
353	SOJA5	BS	872.07388										
354	MOVE5	BS	47.26882										
355	SOJA5	BS	2741.58288										
356	CFI55	BS	472.65843										
357	TRAV4	BS	12051.61274										
358	CFN5	BS	58.27310										
359	MUPI5	BS	413.72995										
360	CFI55	BS		.1000000E-04									
361	TRAV4	BS	25.00000		25.00000								
362	DESPE5	BS	26.65248		10.00000								
363	SOJA5	BS	872.07388										
364	MOVE5	BS	47.26882										
365	SOJA5	BS	2741.58288										
366	CFI55	BS	472.65843										
367	TRAV4	BS	12051.61274										
368	CFN5	BS	58.27310										
369	MUPI5	BS	413.72995										
370	CFI55	BS		.1000000E-04									
371	TRAV4	BS	25.00000		25.00000								
372	DESPE5	BS	26.65248		10.00000								
373	SOJA5	BS	872.07388										
374	MOVE5	BS	47.26882										
375	SOJA5	BS	2741.58288										
376	CFI55	BS	472.65843										
377	TRAV4	BS	12051.61274										
378	CFN5	BS	58.27310										
379	MUPI5	BS	413.72995										
380	CFI55	BS		.1000000E-04									
381	TRAV4	BS	25.00000		25.00000								
382	DESPE5	BS	26.65248		10.00000								
383	SOJA5	BS	872.07388										
384	MOVE5	BS	47.26882										
385	SOJA5	BS	2741.58288										
386	CFI55	BS	472.65843										
387	TRAV4	BS	12051.61274										
388	CFN5	BS	58.27310										
389	MUPI5	BS	413.72995										
390	CFI55	BS		.1000000E-04									
391	TRAV4	BS	25.00000		25.00000								
392	DESPE5	BS	26.65248		10.00000								
393	SOJA5	BS	872.07388										
394	MOVE5	BS	47.26882										
395	SOJA5	BS	2741.58288										
396	CFI55	BS	472.65843										
397	TRAV4	BS	12051.61274										
398	CFN5	BS	58.27310										
399	MUPI5	BS	413.72995										
400	CFI55	BS		.1000000E-04									
401	TRAV4	BS	25.00000		25.00000								
402	DESPE5	BS	26.65248		10.00000								
403	SOJA5	BS	872.07388										
404	MOVE5	BS	47.26882										
405	SOJA5	BS	2741.58288										
406	CFI55	BS	472.65843										
407	TRAV4	BS	12051.61274										
408	CFN5	BS	58.27310										
409	MUPI5	BS	413.72995										
410	CFI55	BS		.1000000E-04									
411	TRAV4	BS	25.00000		25.00000								
412	DESPE5	BS	26.65248		10.00000								
413	SOJA5	BS	872.07388										
414	MOVE5	BS	47.26882										
415	SOJA5	BS	2741.58288										
416	CFI55	BS	472.65843										
417	TRAV4	BS	12051.61274										
418	CFN5	BS	58.27310										
419	MUPI5	BS	413.72995										
420	CFI55	BS		.1000000E-04									
421	TRAV4	BS	25.00000		25.00000								
422	DESPE5	BS	26.65248		10.00000								
423	SOJA5	BS	872.07388										
424	MOVE5	BS	47.26882										
425	SOJA5	BS	2741.58288										
426	CFI55	BS	472.65843										
427	TRAV4	BS	12051.61274										
428	CFN5	BS	58.27310										
429	MUPI5	BS	413.72995										
430	CFI55	BS		.1000000E-04									
431	TRAV4	BS	25.00000		25.00000								
432	DESPE5	BS	26.65248		10.00000								
433	SOJA5	BS	872.07388										
434	MOVE5	BS	47.26882										
435	SOJA5	BS	2741.58288										
436	CFI55	BS	472.65843										
437	TRAV4	BS	12051.61274										
438	CFN5	BS	58.27310										
439	MUPI5	BS	413.72995										
440	CFI55	BS		.1000000E-04									
441	TRAV4	BS	25.00000		25.00000								
442	DESPE5	BS	26.65248		10.00000								
443	SOJA5	BS	872.07388										
444	MOVE5	BS	47.26882										
445	SOJA5	BS	2741.58288										
446	CFI55	BS	472.65843										
447	TRAV4	BS	12051.61274										
448	CFN5	BS	58.27310										
449	MUPI5	BS	413.72995										
450	CFI55	BS		.1000000E-04									
451	TRAV4	BS	25.00000		25.00000								
452	DESPE5	BS	26.65248		10.00000								
453	SOJA5	BS	872.07388										
454	MOVE5	BS	47.26882										
455	SOJA5	BS	2741.58288										
456	CFI55	BS	472.65843										
457	TRAV4	BS	12051.61274										
458	CFN5	BS	58.27310										
459	MUPI5	BS	413.72995										
460	CFI55	BS		.1000000E-04									
461	TRAV4	BS	25.00000		25.00000								
462	DESPE5	BS	26.65248		10.00000								
463	SOJA5	BS	872.07388										
464	MOVE5	BS	47.26882										
465	SOJA5	BS	2741.58288										
466	CFI55	BS	472.65843										
467	TRAV4	BS	12051.61274										
468	CFN5	BS	58.27310										
469	MUPI5	BS	413.72995										
470	CFI55	BS		.1000000E-04									
471	TRAV4	BS	25.00000		25.00000								
472	DESPE5	BS	26.65248		10.00000								
473	SOJA5	BS	872.07388										
474	MOVE5	BS	47.26882										
475	SOJA5	BS	2741.58288										
476	CFI55	BS	472.65843										
477	TRAV4	BS	12051.61274										
478	CFN5	BS	58.27310										
479	MUPI5	BS	413.72995										
480	CFI55	BS		.1000000E-04									
481	TRAV4	BS	25.00000		25.00000								
482	DESPE5	BS	26.65248										

MPSX/370 VIM3		MPSCL EXECUTION		..INPUT COST..		..LOWER LIMIT.		..UPPER LIMIT.		..REDUCED COST.	
NUMBER	COLUMNS	AT	ACTIVITY...								
328	DESAB	LL	25.00000			25.00000		NONE		1.26477	
329	DESPEB	LL	25.04648			10.00000		NONE		1.20591	
330	SOJAB	BS	763.89429					NONE		.29892	
331	MENTAB	BS						NONE			
332	MOAB	BS						NONE			
333	TFCB	LL						NONE			
334	CITRIC08	EQ	519.95727					NONE			
335	MOIPEB	BS	1134.45222					NONE			
336	MOVEPEB	BS	1356.15789					NONE			
337	CF08	BS						NONE			
338	PINO8	BS						NONE			
339	MOPI8	BS	35.61611					NONE			
340	CFIS8	BS	265.31178					NONE			
341	MOPNOC8	BS	20.95611					NONE			
342	TRAN8	BS	8248.91448					NONE			
343	DESAB	BS	30.00000		.1000000E-04			NONE		1.61345	
344	DESPE9	BS						NONE			
345	SOJAB	BS	30.00000			10.00000		NONE		.29492-	
346	MENTA9	UL	900.00000					NONE			
347	MOA9	BS	45.10802					NONE		.26728-	
348	TED9	BS						NONE			
349	CITRIC09	EQ	2848.26515					NONE			
350	MOIPE9	BS	491.08020					NONE			
351	MOVEPE9	BS	41060.50922					NONE			
352	CF09	BS						NONE		.16009	
353	PINO9	LL						NONE			
354	MOPI9	BS	35.61611					NONE			
355	CFIS9	BS	268.87335					NONE			
356	MOPNOC9	BS	1198.39070		.1000000E-04			NONE			
357	TRAN9	BS						NONE		.00004	
358	DESAB	LL						NONE		.09645	
359	DESPE10	LL						NONE		.90470	
360	SOJAB	LL						NONE		.27739	
361	MENTA10	BS						NONE			
362	MOA10	BS	30.00000			10.00000		NONE			
363	TFC10	BS	900.00000					NONE		.41636	
364	CITRIC10	LL						NONE		.32400	
365	MOIPE10	BS	540.18822					NONE			
366	MOVEPE10	BS	491.08020					NONE			
367	CFN10	BS	11864.49761					NONE			
368	PINO10	LL						NONE			
369	MOPI10	BS						NONE		.22034	
370	CFIS10	BS						NONE			
371	MOPNOC10	BS	1235.45454					NONE			
372	TRAN10	BS	5202.05430		.1000000E-04			NONE		.02060	
373	DESAB11	LL						NONE		.08856	
374	DESPE11	BS						NONE		.19220-	
375	SOJAB11	LL						NONE			
376	MENTA11	UL	30.00000			10.00000		NONE			
377	MOA11	BS	900.00000					NONE		.61507	
378	TEEL1	LL						NONE			



EMPRESA - C: FAMILIAR GRANDE  
HIPOTESIS III - a

MP5X/370 VIM3

MP5CL EXECUTION

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SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	341.58081	1.00000	.	NONE	.
229	DESAL	BS	58.40214	.	.	NONE	.
230	DESPE1	BS	.	.	.	NONE	.
231	SCJAL	BS	28.40214	.	25.00000	NONE	1.70184-
232	MENTAL	UL	30.00000	.	10.00000	NONE	.
233	MCAL	BS	914.20107	.	.	NONE	.08280
234	TE1	LL	.	.	.	NONE	.
235	MOIPE1	BS	.	.	.	NONE	.
236	MOVEPE1	BS	4964.18232	.	.	NONE	.
237	CFOL	BS	.	.	.	NONE	.47051
238	PINO1	LL	.	.	.	NONE	.03147
239	MOPI1	LL	.	.	.	NONE	.
240	CFIS1	BS	.	.	.	NONE	.91988
241	TRAN1	BS	1079.60940	.1000000E-04	.	NONE	.10301
242	DESPE2	BS	.	.	.	NONE	.
243	CFIS2	LL	.	.	.	NONE	.
244	SOJA2	BS	28.40214	.	25.00000	NONE	3.13377-
245	MENTA2	UL	30.00000	.	10.00000	NONE	1.76678
246	MOA2	BS	914.20107	.	.	NONE	.
247	TE2	LL	.	.	.	NONE	.
248	MOIPE2	BS	.	.	.	NONE	.
249	MOVEPE2	BS	.	.	.	NONE	.00092
250	CFOL	BS	.	.	.	NONE	.54085
251	PINO2	LL	.	.	.	NONE	.
252	CFIS2	LL	.	.	.	NONE	.00768
253	TRAN2	BS	.	.	.	NONE	.
254	DESPE3	BS	8679.92416	.1000000E-04	.	NONE	1.89927
255	CFIS3	LL	.	.	.	NONE	1.10047
256	SOJA3	BS	28.40214	.	25.00000	NONE	3.06975-
257	MENTA3	UL	30.00000	.	10.00000	NONE	2.55320
258	MOA3	BS	914.20107	.	.	NONE	3.43775
259	TEA3	LL	.	.	.	NONE	.06537
260	CITRIC03	BS	.	.	.	NONE	.41594
261	MOIPE3	BS	.	.	.	NONE	.03386
262	MOVEPE3	BS	.	.	.	NONE	.
263	CFOL	BS	.	.	.	NONE	2.39913
264	PINO3	LL	.	.	.	NONE	2.09807
265	MOPI3	LL	.	.	.	NONE	2.89115
266	CFIS3	BS	.	.	.	NONE	.11440-
267	TRAN3	BS	.	.	.	NONE	.
268	DESPE4	LL	14913.67261	.1000000E-04	.	NONE	1.40105
269	CFIS4	LL	.	.	.	NONE	.
270	SOJA4	BS	.	.	.	NONE	.
271	MENTA4	UL	25.00000	.	25.00000	NONE	.
272	SOJA4	UL	30.00000	.	10.00000	NONE	.
273	MOA4	BS	912.50000	.	.	NONE	.
274	TEA4	BS	.	.	.	NONE	.
275	CITRIC04	BS	.	.	.	NONE	.
276	MOIPE4	BS	.	.	.	NONE	.

MPSX/370	VIMS	AT	MPSCL EXFCUTION	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
277	MOVEPE4	BS	.	.	.	NONE	.00472
278	CF04	LL	20.49485	.	.	NONE	.
279	PINO4	BS	67.63300	.	.	NONE	.
280	MOPI4	BS	535.94030	.	.	NONE	.
281	CFIS4	BS	19586.64468	.1000000E-04	.	NONE	.
282	TRAN4	BS	77.27266	.	.	NONE	5.98696
283	DESAS5	LL	47.27266	.	25.00000	NONE	2.94118-
284	DESPE5	BS	30.00000	.	10.00000	NONE	.
285	SOUA5	UL	923.03633	.	.	NONE	.
286	VENTA5	RS	51.55786	.	.	NONE	.77027-
287	YGA5	RS	2992.67590	.	.	NONE	.
288	CITRICO5	EQ	515.97855	.	.	NONE	.
289	MOIPE5	BS	41819.83091	.	.	NONE	.
290	MOVEPE5	BS	103.47424	.	.	NONE	.
291	CF05	BS	743.96301	.	.	NONE	.
292	PINO5	BS	14857.86432	.1000000E-04	.	NONE	.88044
293	CFIS5	BS	.	.	.	NONE	.39239
294	MOPI5	BS	43.87052	.	25.00000	NONE	2.89942-
295	CFIS5	BS	30.00000	.	10.00000	NONE	5.14446
296	TRAN5	BS	921.93526	.	.	NONE	3.62647
297	DESAG	LL	567.57641	.	.	NONE	.
298	DESPE6	BS	515.97855	.	.	NONE	.61214
299	SQJAB	BS	11124.49756	.	.	NONE	.
300	MENTA6	UL	122.96505	.	.	NONE	.
301	MOA6	BS	893.57541	.	.	NONE	.
302	TRRG	LL	16683.25061	.1000000E-04	.	NONE	1.76126
303	CITRICO6	EQ	40.46837	.	25.00000	NONE	1.39079
304	MOIPE6	BS	30.00000	.	10.00000	NONE	2.83472-
305	MOVEPE6	BS	920.23415	.	.	NONE	3.58371
306	CF06	BS	567.57641	.	.	NONE	1.63719
307	PINO6	BS	305.58713	.	.	NONE	.
308	MOPI6	BS	7667.44127	.	.	NONE	.26751
309	CFIS6	BS	122.96505	.	.	NONE	.
310	MOPNOC6	BS	905.87232	.	.	NONE	.
311	TRAN6	RS	11441.62598	.1000000E-04	.	NONE	.
312	DESAT	LL	567.57641	.	.	NONE	.
313	DESPE7	BS	305.58713	.	.	NONE	.
314	SCJA7	BS	7667.44127	.	.	NONE	.
315	MENTA7	UL	122.96505	.	.	NONE	.
316	MOA7	BS	905.87232	.	.	NONE	.
317	TEC7	LL	11441.62598	.	.	NONE	.
318	CITRICO7	EQ	40.46837	.	.	NONE	.
319	MOIPE7	BS	30.00000	.	.	NONE	.
320	MOVEPE7	BS	920.23415	.	.	NONE	.
321	CF07	BS	567.57641	.	.	NONE	.
322	PINO7	BS	305.58713	.	.	NONE	.
323	MOPI7	BS	7667.44127	.	.	NONE	.
324	CFIS7	BS	122.96505	.	.	NONE	.
325	MOPNOC7	BS	905.87232	.	.	NONE	.
326	TRAN7	BS	11441.62598	.1000000E-04	.	NONE	.



MPSX/370	VIM3	NUMBER	COLUMNS	AT	MPSCL EXECUTION	ACTIVITY...	INPUT COST..	LOWER LIMIT..	UPPER LIMIT..	REDUCED COST..
379	CITRIC11			EQ						
380	MOIPE11			RS		70C:30491				.42061
381	MOVEPE11			BS		381:98450				
382	CF011			BS		10326:31422				.09499
383	PINQ11			LL						
384	MOP111			BS						.00019
385	CFIS11			LL						
386	MOPNOC11			BS		138C:12271				
387	TRAN11			BS		14482:17543				
388	DESPE12			LL						
389	SOJA12			RS				25.00000		.13856
390	MENTA12			DE		107:47183		10.00000		.10738
391	MENTA12			RS		3C:00CQ0				
392	TEE12			BS		953:73592				.45684-
393	MOP12			LL						.42711
394	CITRIC12			EQ						.23657
395	MOIPE12			RS		70C:30491				
396	MOVEPE12			BS		1521:83799				
397	CFU12			BS		19162:83432				
398	PINQ12			BS		164:83432				
399	MOP12			BS		543:95329				
400	CFIS12			BS		4799:67835				
401	MOPNOC12			RS		1361:30569				
402	MOIPE20			BS		576:23676				
403	MOVEPE20			BS		230C:45294				
404	MOP120			BS		64C:45294				
405	MOIPE25			BS		1955:28651				
406	MOVEPE25			BS		2766:28651				
407	MOP125			BS		2281:02772				

# EMPRESA - B: FAMILIAR MEDIA

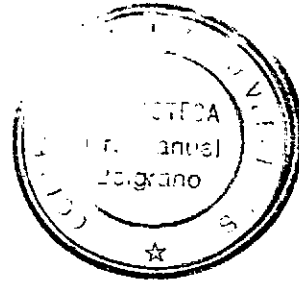
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MPSX/370 VLM3 MPSCL EXECUTION

### SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST...	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIFERRA	BS	155.44655	1.00000		NONE	
229	DESAL	BS	52.30822			NONE	19849
230	DESPEL	BS	25.79082		25.00000	NONE	
231	SQJAL	LL	25.00000		10.00000	30.00000	
232	MENTAL	BS	27.30822			NONE	82165
233	MOA1	BS	821.74665			NONE	
234	TEIPEL	BS				NONE	
235	MOIPEL	BS				NONE	
236	MOVEPE1	BS	4446.19896			NONE	
237	CFQ1	BS	4.76273			NONE	
238	PINQ1	BS	15.71708			NONE	
239	MOPI1	BS	116.68743			NONE	30865
240	CFISI1	BS	3651.70376	.1000000E-04		NONE	21244
241	TRAN1	BS				NONE	36910
242	DESPE2	LL				NONE	
243	LESPE2	LL	25.00000		25.00000	30.00000	
244	SQJAZ	LL	26.51761		10.00000	NONE	
245	MENTA2	BS	806.02818			NONE	1.03277
246	MOA2	BS				NONE	
247	TE2	BS				NONE	
248	MOIPE2	BS				NONE	
249	CFQ2	BS				NONE	00006
250	PINQ2	LL				NONE	24533
251	MOPI2	BS	22.81376			NONE	
252	CFIS2	BS	163.36241			NONE	
253	TRAN2	BS	12822.80615	.1000000E-04		NONE	79630
254	DESPE3	LL				NONE	69902
255	LESPE3	LL				NONE	36508
256	SQJAZ3	LL	25.00000		25.00000	30.00000	
257	MENTA3	BS	25.72699		10.00000	NONE	
258	MOA3	BS	784.30968			NONE	95516
259	TEA3	BS				NONE	83739
260	CITRICO3	BS				NONE	
261	MOIPE3	BS				NONE	
262	MOVEPE3	BS				NONE	
263	CFQ3	BS				NONE	00004
264	PINQ3	LL				NONE	11865
265	MOPI3	BS	28.57651			NONE	
266	CFIS3	BS	193.36175			NONE	
267	TRAN3	BS	20394.24764	.1000000E-04		NONE	1.28108
268	DESPE4	LL				NONE	1.18274
269	LESPE4	LL				NONE	36038
270	SQJAZ4	LL			25.00000	30.00000	
271	MENTA4	BS	25.00000		10.00000	NONE	
272	MOA4	BS	23.99792			NONE	
273	TEA4	BS	732.43748			NONE	11317
274	CITRICO4	BS				NONE	38914
275	MOIPE4	BS				NONE	
276	MOVEPE4	BS				NONE	



MPSX/370	VIMS	MPSCL EXECUTION	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
NUMBER	COLUMNS	AT ...ACTIVITY...				
277	MOVEPE4	BS				
278	CF04	BS				
279	PIN04	BS				
280	MOPI4	BS				
281	CFI14	BS				
282	TRAV4	BS	.1000000E-04			
283	DESPE5	BS				
284	SOJA5	BS				
285	PCIT15	BS				
286	PCIT15	BS				
287	PCIT15	BS				
288	PCIT15	BS				
289	PCIT15	BS				
290	PCIT15	BS				
291	PCIT15	BS				
292	PCIT15	BS				
293	PCIT15	BS				
294	PCIT15	BS				
295	PCIT15	BS				
296	PCIT15	BS				
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301	PCIT15	BS				
302	PCIT15	BS				
303	PCIT15	BS				
304	PCIT15	BS				
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306	PCIT15	BS				
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308	PCIT15	BS				
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327	PCIT15	BS				
328	PCIT15	BS				
329	PCIT15	BS				
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331	PCIT15	BS				
332	PCIT15	BS				
333	PCIT15	BS				
334	PCIT15	BS				
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336	PCIT15	BS				
337	PCIT15	BS				
338	PCIT15	BS				
339	PCIT15	BS				
340	PCIT15	BS				
341	PCIT15	BS				
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361	PCIT15	BS				
362	PCIT15	BS				
363	PCIT15	BS				
364	PCIT15	BS				
365	PCIT15	BS				
366	PCIT15	BS				
367	PCIT15	BS				
368	PCIT15	BS				
369	PCIT15	BS				
370	PCIT15	BS				

MFSX/370	VIM3	MPSCL EXECUTION	AT	...ACTIVITY...	..INPUT CUST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
328	DESAB	LL	LL	25.00000	..	25.00000	NONE	1.26477
329	DESPE8	LL	LL	25.04648	..	10.00000	NONE	1.20591
330	SOJAB	BS	BS	763.89425	..	..	30.00000	.29892
331	MENTA8	BS	BS	..	..	..	NONE	..
332	TIC8	LL	LL	..	..	..	NONE	..
333	CITRIC08	EQ	EQ	..	..	..	NONE	..
334	MOIPE8	BS	BS	319.95727	..	..	NONE	.39393
335	MOVEPE8	BS	BS	1134.45222	..	..	NONE	.29879
336	CF08	BS	BS	13566.15783	..	..	NONE	..
337	PINO8	BS	BS	..	..	..	NONE	..
338	MOPI8	BS	BS	35.61611	..	..	NONE	..
339	CFIS8	BS	BS	265.31176	..	..	NONE	..
340	MOPNOC8	BS	BS	20.95611	..	..	NONE	..
341	TRAN8	BS	BS	8248.91448	..	..	NONE	..
342	DESAB	BS	BS	30.00000	..	..	NONE	..
343	DESPE9	BS	BS	..	..	..	NONE	1.61345
344	MENTA9	LL	LL	..	..	10.00000	NONE	.29492
345	SOJAB	BS	BS	30.00000	..	..	NONE	..
346	MOA9	BS	BS	900.00000	..	..	NONE	..
347	TED9	BS	BS	45.10862	..	..	NONE	..
348	CITRIC09	BS	BS	..	..	..	NONE	.26728
349	MOIPE9	BS	BS	2848.26515	..	..	NONE	..
350	MOVEPE9	BS	BS	491.08020	..	..	NONE	..
351	CF09	BS	BS	41060.50522	..	..	NONE	..
352	PINO9	BS	BS	..	..	..	NONE	..
353	MOPI9	BS	BS	35.61611	..	..	NONE	..
354	CFIS9	BS	BS	268.87535	..	..	NONE	..
355	MOPNOC9	BS	BS	1198.39070	..	..	NONE	1.6009
356	TRAN9	BS	BS	..	..	..	NONE	..
357	DESAB	LL	LL	..	..	..	NONE	..
358	DESPE10	LL	LL	..	..	..	NONE	..
359	SOJAB	BS	BS	..	..	..	NONE	..
360	MENTA10	BS	BS	..	..	..	NONE	..
361	MOA10	BS	BS	30.00000	..	10.00000	NONE	..
362	TED10	BS	BS	900.00000	..	..	NONE	..
363	CITRIC10	EQ	EQ	..	..	..	NONE	..
364	MOIPE10	BS	BS	540.18822	..	..	NONE	..
365	MOVEPE10	BS	BS	491.08020	..	..	NONE	..
366	CF010	BS	BS	11864.49761	..	..	NONE	..
367	PINO10	BS	BS	..	..	..	NONE	..
368	MOPI10	BS	BS	..	..	..	NONE	..
369	CFIS10	BS	BS	..	..	..	NONE	..
370	MOPNOC10	BS	BS	1235.45454	..	..	NONE	..
371	TRAN10	BS	BS	5206.05430	..	..	NONE	..
372	DESAB	LL	LL	..	..	..	NONE	..
373	DESPE11	LL	LL	..	..	..	NONE	..
374	SOJAB	BS	BS	..	..	..	NONE	..
375	MENTA11	BS	BS	..	..	..	NONE	..
376	MOA11	BS	BS	30.00000	..	10.00000	NONE	..
377	TED11	BS	BS	900.00000	..	..	NONE	..
378	..	..	..	..	..	..	NONE	..

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HIPOTESIS III - b

MPSX/370 VLM3 MPSC EXECUTION

SECTION 2 - COLUMNS

NUMPER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	92.80479	1.00000	.	NONE	.
229	DESAL	BS	35.00000	.	.	NONE	.
230	DESPE1	BS	.	.	.	NONE	.14090
231	SOJA1	BS	25.00000	.	25.00000	NONE	.
232	MENTA1	BS	10.00000	.	10.00000	NONE	.
233	MCA1	BS	312.50000	.	.	NONE	.67555
234	TEI	BS	.	.	.	NONE	.
235	MOIPE1	BS	.	.	.	NONE	.
236	MOVEPE1	BS	.	.	.	NONE	.
237	CFI1	BS	2975.00000	.	.	NONE	.
238	PINO1	BS	.	.	.	NONE	.
239	MOPI1	BS	.	.	.	NONE	.
240	CFISI	BS	.	.	.	NONE	.
241	TRAN1	BS	.	.	.	NONE	.
242	DESPE2	BS	1160.75000	.1000000E-04	.	NONE	.14547
243	SOJA2	BS	.	.	.	NONE	.21679
244	MENTA2	BS	25.00000	.	25.00000	NONE	.26319
245	MCA2	BS	10.00000	.	10.00000	NONE	.
246	TE2	BS	312.50000	.	.	NONE	.
247	MOIPE2	BS	.	.	.	NONE	.21262
248	MOVEPE2	BS	.	.	.	NONE	.
249	CFI2	BS	.	.	.	NONE	.00089
250	PINO2	BS	.	.	.	NONE	.36777
251	MOPI2	BS	.	.	.	NONE	.
252	CFIS2	BS	.	.	.	NONE	.
253	TRAN2	BS	.	.	.	NONE	.
254	DESPE3	BS	4722.25000	.1000000E-04	.	NONE	.49304
255	SOJA3	BS	.	.	.	NONE	.49261
256	MENTA3	BS	25.00000	.	25.00000	NONE	.26147
257	SOJA3	BS	10.00000	.	10.00000	NONE	.
258	MENTA3	BS	312.50000	.	.	NONE	.53439
259	MCA3	BS	.	.	.	NONE	.73469
260	TEA3	BS	.	.	.	NONE	.
261	CITRICD3	BS	.	.	.	NONE	.00036
262	MOIPE3	BS	.	.	.	NONE	.18263
263	MOVEPE3	BS	.	.	.	NONE	.
264	CFI3	BS	.	.	.	NONE	.90978
265	PINO3	BS	.	.	.	NONE	.83905
266	MOPI3	BS	.	.	.	NONE	.61616
267	CFIS3	BS	.	.	.	NONE	.35659
268	TRAN3	BS	7516.97500	.1000000E-04	.	NONE	.33706
269	DESPE4	BS	.	.	.	NONE	.70023
270	SOJA4	BS	.	.	.	NONE	.
271	MENTA4	BS	25.00000	.	25.00000	NONE	.
272	SOJA4	BS	10.00000	.	10.00000	NONE	.
273	MENTA4	BS	312.50000	.	.	NONE	.
274	MCA4	BS	.	.	.	NONE	.
275	TEA4	BS	.	.	.	NONE	.
276	CITRICD4	BS	.	.	.	NONE	.

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MPSX/370 VIM3	NUMBER	COLUMNS	AT	MPSCl EXECUTION	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
	277	MOVEPE4	BS		.	.	.	NONE	.4446675E-05
	278	CFEG4	LL		.	.	.	NONE	.04040
	279	PIN04	LL		.	.	.	NONE	.
	280	MOP14	BS		.	.	.	NONE	.
	281	CFIS4	BS		.	.	.	NONE	.
	282	TEFAN4	BS		.	.	.	NONE	.
	283	DESAS5	BS		.	.1000000E-04	.	NONE	1.54137
	284	DESPE5	BS		.	.	.	NONE	.25749
	285	SOJA5	LL		.	.	.	NONE	.
	286	MENTA5	LL		.	10.00000	.	30.00000	.
	287	MCA5	BS		18.03580	.	.	NONE	.
	288	TEF85	BS		541.19396	.	.	NONE	.
	289	CITRICO5	BS		34.79513	.	.	30.00000	.
	290	MOTPE5	BS		2020.96172	.	.	NONE	.
	291	MOVEPE5	BS		348.59405	.	.	NONE	.
	292	CF05	BS		25375.40675	.	.	NONE	1.11486
	293	PINO5	LL		.	.	.	NONE	.
	294	POPI5	BS		.	.	.	NONE	.
	295	CFIS5	BS		.	.	.	NONE	.
	296	MOPNOC5	BS		6025.80652	.1000000E-04	.	NONE	33452
	297	TRAN5	BS		.	.	.	NONE	27598
	298	DESAS6	LL		.	.	.	NONE	25726
	299	SOJA6	LL		.	.	.	NONE	.
	300	MENTA6	BS		18.03580	.	10.00000	30.00000	1.01194
	301	MCA6	BS		541.19396	.	.	NONE	1.23090
	302	TEF86	LL		.	.	.	NONE	.
	303	CITRICO6	LL		.	.	.	NONE	.
	304	MOTPE6	BS		383.39320	.	.	NONE	.
	305	MOVEPE6	BS		348.19660	.	.	NONE	.
	306	CF06	BS		7537.82541	.	.	NONE	26832
	307	PINO6	LL		.	.	.	NONE	.
	308	MOP16	BS		.	.	.	NONE	.
	309	CFIS6	BS		.	.	.	NONE	.
	310	MOPNOC6	BS		6153.42775	.1000000E-04	.	NONE	66989
	311	TRAN6	BS		.	.	.	NONE	62183
	312	DESAT7	LL		.	.	.	NONE	25486
	313	DESPE7	LL		.	.	.	NONE	.
	314	CF07	LL		.	.	.	NONE	.
	315	SOJA7	BS		.	.	10.00000	30.00000	62008
	316	MENTA7	BS		18.03580	.	.	NONE	81059
	317	MCA7	BS		541.19396	.	.	NONE	.
	318	TEC7	LL		.	.	.	NONE	.
	319	CITRICO7	LL		.	.	.	NONE	.
	320	MOTPE7	BS		383.09192	.	.	NONE	.
	321	MOVEPE7	BS		205.89558	.	.	NONE	.
	322	CF07	BS		5195.99575	.	.	NONE	08323
	323	PINO7	LL		.	.	.	NONE	.
	324	MOP17	BS		.	.	.	NONE	00070
	325	CFIS7	LL		.	.	.	NONE	.
	326	MOPNOC7	BS		2327.89448	.1000000E-04	.	NONE	.
	327	TRAN7	BS		.	.	.	NONE	.

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST...	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
328	DESAB	LL	.	.	.	NONE	1.00690
329	DESPE8	LL	.	.	.	NONE	1.25865
330	SOJAB8	RS	1E.0358C	.	10.00000	NONE	1.25020
331	MENTAB	RS	541.19396	.	.	NONE	.
332	MOA8	BS	.	.	.	NONE	.
333	TEC8	BS	.	.	.	NONE	16508
334	CITRIC08	LL	.	.	.	NONE	.
335	MOIPE8	RS	382.19235	.	.	NONE	.
336	MOVPE8	BS	837.5858C	.	.	NONE	.
337	CF08	BS	1C016.43514	.	.	NONE	.
338	PINO8	BS	.	.	.	NONE	.
339	MOPI8	BS	.	.	.	NONE	.
340	CFIS8	LL	.	.	.	NONE	00071
341	MPNOC8	RS	.	.	.	NONE	00022
342	TRAN8	LL	2E.62842	.1000000E-04	.	NONE	1.30760
343	DESAB9	RS	.	.	.	NONE	17017
344	DESPE9	LL	.	.	.	NONE	.
345	SOJA9	LL	.	.	10.00000	NONE	00295
346	MENTA9	RS	2E.62842	.	.	NONE	.
347	MCA9	RS	858.85261	.	.	NONE	.
348	TE08	LL	.	.	.	NONE	.
349	CITRIC09	RS	1E.03580	.	30.00000	NONE	.
350	MOIPE9	BS	234.51738	.	.	NONE	.
351	MOVEPE9	BS	54.11540	.	.	NONE	.
352	CF09	BS	8761.77705	.	.	NONE	.
353	PINO9	LL	.	.	.	NONE	27011
354	MOPI9	BS	.	.	.	NONE	00050
355	CFIS9	LL	.	.	.	NONE	.
356	MPNOC9	RS	871.98725	.1000000E-04	.	NONE	.
357	TRAN9	LL	559.27113	.	.	NONE	22598
358	DESAB10	LL	.	.	.	NONE	20562
359	DESPE10	LL	.	.	.	NONE	16919
360	SOJA10	LL	.	.	.	NONE	.
361	MENTA10	BS	2E.62842	.	10.00000	NONE	.
362	MCA10	BS	858.85261	.	.	NONE	76844
363	TE010	LL	.	.	.	NONE	1.03254
364	CITRIC10	LL	.	.	.	NONE	.
365	MOIPE10	BS	54.11540	.	.	NONE	.
366	MOVEPE10	BS	106.23879	.	.	NONE	.
367	CF010	BS	3317.51895	.	.	NONE	31028
368	PINO10	LL	.	.	.	NONE	00050
369	MOPI10	BS	.	.	.	NONE	.
370	CFIS10	LL	.	.	.	NONE	.
371	MPNOC10	RS	872.39220	.1000000E-04	.	NONE	45204
372	TRAN10	LL	6885.76134	.	.	NONE	43937
373	DESAB11	LL	.	.	.	NONE	17256
374	DESPE11	LL	.	.	.	NONE	.
375	SOJA11	LL	.	.	10.00000	NONE	.
376	MENTA11	RS	2E.62842	.	.	NONE	28123
377	MOA11	RS	858.85261	.	.	NONE	.
378	TE011	LL	.	.	.	NONE	.

MPSX/370 VIM3	NUMBER	COLUMNS	AT	MPSC EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
379		CITPIC11	LL		27.05570	.	.	NONE	.74419
380		MOIPE11	BS		99.21689	.	.	NONE	.
381		CFULL	RS		2691.53794	.	.	NONE	.11523
382		PINOL1	LL		.	.	.	NONE	.00042
383		CFIS11	LL		.	.	.	NONE	.
384		MCPI11	LL		977.61105	.	.	NONE	.68979
385		MCPNOC11	BS		13027.87039	.100000E-04	.	NONE	.67778
386		TPAN11	LL		.	.	.	NONE	.35097
387		DESAL12	LL		.	.	.	NONE	.17504
388		SOJAL12	LL		10.00000	.	10.00000	30.00000	.
389		MENTAL12	LL		10.00000	.	.	NONE	.47686
390		MOAL12	BS		300.00000	.	.	NONE	.
391		TEF12	LL		16.53EC1	.	.	NONE	.
392		CITPIC12	LL		1001.08433	.	.	NONE	.
393		MOIPE12	BS		382.85771	.	.	NONE	.
394		CFULL12	BS		17131.01007	.	.	NONE	.
395		MOIPE12	BS		11.99041	.	.	NONE	.
396		CFULL12	BS		39.56837	.	.	NONE	.
397		CFULL12	BS		345.16000	.	.	NONE	.
398		CFULL12	BS		381.02550	.	.	NONE	.
399		CFULL12	BS		1552.13330	.	.	NONE	.
400		CFULL12	BS		1594.20336	.	.	NONE	.
401		CFULL12	BS		1294.01527	.	.	NONE	.
402		CFULL12	BS		1733.15588	.	.	NONE	.
403		CFULL12	BS		1733.15588	.	.	NONE	.
404		CFULL12	BS		1733.15588	.	.	NONE	.
405		CFULL12	BS		1733.15588	.	.	NONE	.
406		CFULL12	BS		1733.15588	.	.	NONE	.
407		CFULL12	BS		1733.15588	.	.	NONE	.

# EMPRESA - A: FAMILIAR MEDIA

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MPSX/370 VIM3 MPSCL EXECUTION

SECTION 2 - COLUMNS

NUMBEF	COLUMNS	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
228	COTIERRA	RS	152.77148	1.00000		NONE	
229	DESAL	RS	51.52380			NONE	
230	DESPE1	BS	1.70939		25.00000	NONE	.18996
231	SOJAL	LL	21.00000		10.00000	30.00000	
232	MENTAL	BS	26.52380			NONE	
233	MOAL	RS	808.21401			NONE	.58087
234	TEI	LL				NONE	
235	MOIPE1	RS				NONE	
236	MOVEPE1	BS				NONE	
237	CF01	BS	4379.52304			NONE	
238	PINO1	BS	10.29752			NONE	
239	MOPI1	BS	33.98182			NONE	
240	CFIS1	BS	252.28924			NONE	
241	TRAN1	BS	3256.43579	.1000000E-04		NONE	.20384
242	DESAL2	LL				NONE	.20427
243	DESPE2	LL			25.00000	NONE	.35342
244	SOJAL2	LL	25.00000		10.00000	30.00000	
245	MENTAL2	BS	24.81441			NONE	.20021
246	MOAL2	BS	756.93236			NONE	
247	TE2	LL				NONE	
248	MOIPE2	BS				NONE	.00114
249	MOVEPE2	BS				NONE	.30548
250	CF02	LL				NONE	
251	PINO2	BS	51.48760			NONE	
252	MOPI2	BS	353.20494			NONE	
253	CFIS2	BS	11323.83860	.1000000E-04		NONE	.76317
254	TRAN2	LL				NONE	.66998
255	DESAL3	LL				NONE	.34974
256	DESPE3	LL				NONE	
257	SOJAL3	LL	25.00000		25.00000	30.00000	
258	MENTAL3	BS	22.10502		10.00000	NONE	.80536
259	MOAL3	BS	705.65071			NONE	.89500
260	TEA3	LL				NONE	
261	CITRIC03	LL				NONE	.00763
262	MOIPE3	BS				NONE	.00003
263	MOVEPE3	LL				NONE	.15092
264	CF03	LL				NONE	
265	PINO3	BS				NONE	
266	MOPI3	BS	61.78512			NONE	
267	CFIS3	BS	418.07932			NONE	
268	TRAN3	BS	17292.21172	.1000000E-04		NONE	1.22763
269	DESAL4	LL				NONE	1.13338
270	DESPE4	LL			25.00000	NONE	.34588
271	SOJAL4	LL	25.00000		10.00000	30.00000	
272	MENTAL4	BS	21.39584			NONE	
273	MOAL4	BS	654.36506			NONE	
274	TE4	LL				NONE	
275	CITRIC04	LL				NONE	.50489
276	MOIPE4	BS				NONE	

MPSX/370	VLM3	MPSCL EXECUTION	...ACTIVITY...	...INPUT COST...	...LOWER LIMIT...	...UPPER LIMIT...	...REDUCED COST...
277	MOVEPE4	LL	...	...	...	NONE	.00542
278	CF04	LL	...	...	...	NONE	.1715083E-05
279	PIN04	LL	...	...	...	NONE	.00554
280	MOPI4	BS	61.78512	...	...	NONE	...
281	CFI54	BS	430.43634	...	...	NONE	...
282	TRAN4	BS	21947.51225	.1000000E-04	...	NONE	...
283	DESA5	BS	51.16453	...	...	NONE	...
284	DESP5	LL	...	...	...	NONE	1.59409
285	SOJA5	LL	25.00000	...	30.00000	NONE	.34185
286	MENTA5	BS	26.16453	10.00000	...	NONE	...
287	MOA5	BS	797.43580	...	...	NONE	...
288	TEB5	BS	44.68625	...	...	NONE	.11415
289	CITPIC05	LL	...	...	...	NONE	...
290	MOIPE5	BS	2591.80232	...	...	NONE	...
291	MOVEPE5	BS	446.86247	...	...	NONE	...
292	CF05	BS	15462.40280	...	...	NONE	.12995
293	PIN05	LL	...	...	...	NONE	...
294	MOPI5	BS	64.87438	...	...	NONE	...
295	CFI55	BS	450.82543	...	...	NONE	...
296	MOPNOC5	LL	...	.1000000E-04	...	NONE	.00014
297	TRAN5	LL	...	...	...	NONE	.44306
298	DESA6	LL	...	...	...	NONE	.36252
299	DESP6	LL	...	...	...	NONE	.28870
300	SOJA6	BS	25.00000	...	30.00000	NONE	...
301	MOA6	BS	24.45514	25.00000	...	NONE	1.04218
302	TEB6	LL	746.15415	10.00000	...	NONE	1.32060
303	CITPIC06	LL	...	...	...	NONE	...
304	MOIPE6	BS	491.54872	...	...	NONE	...
305	MOVEPE6	BS	446.86247	...	...	NONE	.23613
306	CF06	BS	9634.35488	...	...	NONE	...
307	PIN06	LL	...	...	...	NONE	...
308	MOPI6	BS	64.87438	...	...	NONE	...
309	CFI56	BS	463.80030	...	...	NONE	...
310	MOPNOC6	LL	...	.1000000E-04	...	NONE	...
311	TRAN6	LL	2504.54135	...	...	NONE	...
312	DESA7	LL	...	...	...	NONE	...
313	DESP7	LL	...	...	...	NONE	...
314	SOJA7	BS	25.00000	...	30.00000	NONE	...
315	MENTA7	BS	24.45514	25.00000	...	NONE	...
316	MOA7	BS	746.15415	...	...	NONE	.81941
317	TEB7	LL	...	...	...	NONE	.75063
318	CITPIC07	LL	...	...	...	NONE	.28556
319	MOIPE7	BS	491.54872	...	...	NONE	...
320	MOVEPE7	BS	268.11748	...	...	NONE	.67272
321	CF07	BS	6040.37632	...	...	NONE	.84708
322	PIN07	LL	...	...	...	NONE	...
323	MOPI7	BS	...	...	...	NONE	...
324	CFI57	BS	...	...	...	NONE	.06701
325	MOPNOC7	LL	...	.1000000E-04	...	NONE	.00078
326	TRAN7	BS	61.78512	...	...	NONE	...
327			2784.82698	...	...	NONE	...

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
328	DESPE8	LL	.	.	.	NONE	1.19364
329	SOJA8	LL	25.00000	.	25.00000	NONE	1.13677
330	MENTA8	BS	24.45514	.	19.00000	30.00000	.27991
331	MOA8	LL	746.15415	.	.	NONE	.
332	TEC8	LL	.	.	.	NONE	.33557
333	CITPIC08	BS	.	.	.	NONE	.46321
334	MOIPE8	BS	491.54872	.	.	NONE	.
335	MOVEPE8	BS	1072.46593	.	.	NONE	.
336	CF08	BS	12824.55293	.	.	NONE	.
337	PINO8	BS	.	.	.	NONE	.
338	MOP18	BS	.	.	.	NONE	.00079
339	CFIS8	LL	.	.	.	NONE	.
340	MOPNQC8	BS	45.30909	.1000000E-04	.	NONE	.
341	TEAN8	BS	5185.98147	.	.	NONE	1.51840
342	DESPE9	BS	30.00000	.	.	NONE	.27638
343	SOJA9	LL	.	.	.	NONE	.
344	MENTA9	LL	30.00000	.	10.00000	30.00000	.
345	MOP19	BS	900.00000	.	.	NONE	.
346	MOA9	BS	19.45514	.	.	NONE	.07206-
347	TEC9	UL	30.00000	.	.	NONE	.
348	CITPIC09	BS	1518.39602	.	.	NONE	.
349	MOIPE9	BS	284.55138	.	.	NONE	.21562
350	MOVEPE9	BS	28330.71940	.	.	NONE	.00081
351	CF09	BS	.	.	.	NONE	.
352	PINO9	LL	.	.	.	NONE	.
353	MOP19	BS	.	.	.	NONE	.
354	CFIS9	LL	1153.19750	.1000000E-04	.	NONE	.5861983E-06
355	MOPNQC9	BS	.	.	.	NONE	.
356	TPAN9	LL	.	.	.	NONE	.
357	DESAL0	BS	.	.	.	NONE	.27248-
358	CESEF10	BS	.	.	.	NONE	.81396
359	SOJA10	BS	30.00000	.	10.00000	30.00000	.96752
360	MENTAL0	UL	900.00000	.	.	NONE	.
361	MOA10	BS	.	.	.	NONE	.
362	TEC10	LL	.	.	.	NONE	.26993
363	CITRIC10	LL	.	.	.	NONE	.
364	MOIPE10	BS	304.00652	.	.	NONE	.
365	MOVEPE10	BS	374.55138	.	.	NONE	.
366	CF010	BS	10217.36140	.	.	NONE	.
367	PINO10	LL	.	.	.	NONE	.
368	MOP110	BS	.	.	.	NONE	.
369	CFIS10	BS	1168.64378	.1000000E-04	.	NONE	.
370	MOPNOC10	BS	1328.37832	.	.	NONE	.
371	TPAN10	BS	.	.	.	NONE	.43372
372	DESAL1	BS	.	.	.	NONE	.19584
373	CESEF11	LL	.	.	.	NONE	.08001-
374	SOJA11	LL	.	.	.	NONE	.
375	MENTAL1	UL	30.00000	.	10.00000	30.00000	.
376	MOA11	BS	900.00000	.	.	NONE	.
377	TEC11	BS	.	.	.	NONE	.
378	CFIS11	BS	.	.	.	NONE	.

MPSX/370	VIM3	COLUMNS	AT	MPSCL EXECUTION	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
379		CITRIC11	LL	255.00652	.	.	NCNE	.35463
380		MOIPE11	BS	281.73083	.	.	NCNE	.
381		MOVEPE11	BS	7631.62342	.	.	NCNE	.06905
382		CFN11	LL	.	.	.	NCNE	.00004
383		PINQ11	BS	.	.	.	NCNE	.
384		MOPI11	LL	.	.	.	NCNE	.
385		CFIS11	BS	.	.	.	NCNE	.29993
386		MOPNOC11	BS	1164.52477	.	.	NCNE	.28087
387		TRAN11	LL	8147.42318	.10000000E-04	.	NCNE	.27922
388		CFESA12	LL	.	.	10.00000	NCNE	.
389		CESPE12	LL	.	.	.	NCNE	.
390		SQJ412	BS	25.02000	.	.	NCNE	.08349
391		MENTA12	BS	750.60000	.	.	NCNE	.46100
392		MO412	LL	.	.	.	NCNE	.
393		TEE12	LL	.	.	.	NCNE	.
394		CITRIC12	BS	274.00652	.	.	NCNE	.
395		MOIPE12	BS	826.92332	.	.	NCNE	.
396		MOVEPE12	BS	10367.99651	.	.	NCNE	.
397		CFQ12	BS	30.00000	.	.	NCNE	.
398		PINQ12	BS	39.00000	.	.	NCNE	.
399		MOPI12	BS	873.60000	.	.	NCNE	.
400		CFIS12	BS	1164.52477	.	.	NCNE	.
401		MOPNOC12	BS	1322.70693	.	.	NCNE	.
402		MOIPE20	BS	2212.82771	.	.	NCNE	.
403		MOVEPE20	BS	154.42810	.	.	NCNE	.
404		MOIPE20	BS	2092.40355	.	.	NCNE	.
405		MOIPE25	BS	2469.39325	.	.	NCNE	.
406		MOVEPE25	BS	257.45123	.	.	NCNE	.
407		MOP125	BS	.	.	.	NCNE	.

EMPRESA -C: FAMILIAR GRANDE  
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MPSX/370 VIM3

MPSCL EXECUTION

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SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	RS	297.55886	1.00000	.	NONE	.
229	DESAL	RS	55.06000	.	.	NONE	.
230	DESPEL	RS	.	.	.	NONE	.
231	SOJAL	RS	25.00000	.	25.00000	NONE	1.48583-
232	MENTAL	UL	30.00000	.	10.00000	30.00000	.
233	MCAL	BS	912.50000	.	.	NONE	.43314
234	TEI	UL	.	.	.	NONE	.
235	MOIPEL	BS	.	.	.	NONE	.
236	MOVPEL	BS	.	.	.	NONE	.
237	CFOL	BS	4675.00000	.	.	NONE	.42588
238	PINOI	LL	.	.	.	NONE	.02747
239	MOPII	LL	.	.	.	NONE	.
240	CFISI	BS	.	.	.	NONE	.49707
241	TRANI	BS	715.75000	.1000000E-04	.	NONE	.08941
242	DESPE2	LL	.	.	.	NONE	.
243	SOJAL2	BS	25.00000	.	25.00000	NONE	2.73653-
244	MENTA2	UL	30.00000	.	10.00000	30.00000	.
245	MOA2	BS	912.50000	.	.	NONE	.
246	TE2	BS	.	.	.	NONE	.
247	MOIPE2	BS	.	.	.	NONE	.
248	MOVEPE2	BS	.	.	.	NONE	.
249	CFQ2	LL	.	.	.	NONE	.00441
250	PINO2	LL	.	.	.	NONE	.51948
251	MOPI2	LL	.	.	.	NONE	.
252	CFIS2	BS	.	.	.	NONE	.00671
253	TRAN2	BS	7880.25000	.1000000E-04	.	NONE	.
254	DESPE3	LL	.	.	.	NONE	1.66456
255	SOJAL3	LL	25.00000	.	25.00000	NONE	.90043
256	MENTA3	UL	30.00000	.	10.00000	30.00000	2.57660
257	MOA3	BS	912.50000	.	.	NONE	.10453-
258	TEA3	LL	.	.	.	NONE	3.12188
259	CITRICO3	LL	.	.	.	NONE	4.33785
260	MOIPE3	BS	.	.	.	NONE	.05762
261	MOVEPE3	BS	.	.	.	NONE	.40421
262	CFQ3	LL	.	.	.	NONE	.00688
263	PINO3	LL	.	.	.	NONE	.
264	MOPI3	BS	.	.	.	NONE	5.02417
265	CFIS3	BS	13724.67500	.1000000E-04	.	NONE	4.40834
266	TRAN3	BS	.	.	.	NONE	2.62556-
267	DESPE4	LL	.	.	25.00000	NONE	.
268	SOJAL4	LL	25.00000	.	10.00000	30.00000	.
269	MENTA4	UL	30.00000	.	.	NONE	.67590
270	MOA4	BS	912.50000	.	.	NONE	.
271	TEA4	LL	.	.	.	NONE	.
272	CITRICO4	LL	.	.	.	NONE	.
273	MOIPE4	BS	.	.	.	NONE	.
274	MOVEPE4	BS	.	.	.	NONE	.
275	CFQ4	LL	.	.	.	NONE	.
276	PINO4	LL	.	.	.	NONE	.

NUMBER	COLUMNS	AT	MPSC EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
277	MOVEPE4	BS						.00012
278	CFN4	BS						
279	PIN04	BS						
280	MOPI4	BS						
281	CFIS4	BS						
282	TRAN4	BS						
283	DESAP5	BS	18985.35000	.1000000E-04				5.27994
284	CFISPE5	BS	55.00000					
285	SOJA5	BS	25.00000					
286	MENTA5	UL	30.00000		25.00000	30.00000		2.56980-
287	MOA5	BS	912.50000		10.00000			
288	TEUS	BS	37.59457					
289	CITRIC05	BS	17.40543					
290	MOIPE5	BS	2406.75551					
291	MOVEPE5	BS	428.16197					
292	CF05	BS	36186.94711					.32591
293	PIN05	BS						
294	MOPI5	BS						
295	CFIS5	BS						
296	MOPNOC5	BS						
297	TRAN5	BS	12735.30341	.1000000E-04				
298	DESAP6	BS						.76927
299	CFISPE6	BS						.32443
300	SOJA6	BS	25.00000					
301	MENTA6	UL	30.00000		25.00000	30.00000		2.53379-
302	MOA6	BS	912.50000		10.00000			4.64703
303	TEB6	BS						3.97184
304	CITRIC06	BS						
305	MOIPE6	BS	465.75654					
306	MOVEPE6	BS	480.37827					
307	CF06	BS	11145.59887					.74480
308	PIN06	BS						.00134
309	MOPI6	BS						
310	CFIS6	BS						
311	MOPNOC6	BS	14163.29236	.1000000E-04				
312	TRAN6	BS						
313	DESAP7	BS						1.53920
314	CFISPE7	BS	25.00000					1.19693
315	SOJA7	BS	30.00000					.29220
316	MENTA7	UL	912.50000		25.00000	30.00000		2.18551-
317	MOA7	BS			10.00000			3.35511
318	TEFC7	BS						2.24216
319	CITRIC07	BS						
320	MOIPE7	BS	439.64839					
321	MOVEPE7	BS	321.29728					
322	CF07	BS	8085.97283					
323	PIN07	BS						
324	MOPI7	BS						.37655
325	CFIS7	BS						
326	MOPNOC7	BS						
327	TRAN7	BS	8782.34381	.1000000E-04				

MPSX/370 VIM3		MPSCL EXECUTION		..INPUT COST..		..LOWER LIMIT..		..UPPER LIMIT..		..REDUCED COST..	
NUMBER	COLUMNS	AT	ACTIVITY...								
3228	DESPE8	LL	.	.	.	.	.	NDNE	2.60106		
3229	SCJAS	BS	25.00000	.	.	25.00000	.	NONE	2.36191		
3230	MENTAB	UL	30.00000	.	.	10.00000	.	NONE	2.40149-		
3231	MPAB	BS	912.50000	.	.	.	.	NONE	1.37607		
3232	TEC8	LL	.	.	.	.	.	NONE	.53692		
3233	CITRIC08	LL	.	.	.	.	.	NONE	.		
3234	MOIPE8	BS	448.35110	.	.	.	.	NONE	.		
3235	MOVEPE8	BS	1111.13480	.	.	.	.	NONE	.06915		
3236	CF08	BS	12309.94741	.	.	.	.	NONE	.		
3237	PINO8	LL	.	.	.	.	.	NONE	.		
3238	MCPI8	BS	.	.	.	.	.	NONE	.		
3239	CFIS8	BS	.	.	.	.	.	NONE	.		
3240	MOPNOC8	BS	.	.	.	.	.	NONE	.		
3241	TRAN8	BS	.	.	.	.	.	NONE	.		
3242	DESPE9	BS	4253.37502	.	.	.	.	NONE	3.23463		
3243	SUJTA9	LL	151.85004	.	.	.	.	NONE	2.34503-		
3244	DESPE9	BS	121.85004	.	.	.	.	NONE	.		
3245	SUJTA9	UL	36.00000	.	.	25.00000	.	NONE	.		
3246	MOA9	BS	960.92502	.	.	10.00000	.	NONE	.		
3247	MENTA9	UL	20.00000	.	.	.	.	NONE	30.00000-		
3248	TEDE9	BS	30.00000	.	.	.	.	NONE	.		
3249	CITRIC09	UL	1840.00000	.	.	.	.	NONE	91814-		
3250	MOIPE9	BS	340.00000	.	.	.	.	NONE	.		
3251	MOVEPE9	BS	43036.25339	.	.	.	.	NONE	.		
3252	CF09	BS	.	.	.	.	.	NONE	.		
3253	PINO9	BS	.	.	.	.	.	NONE	.00217		
3254	MCPI9	BS	.	.	.	.	.	NONE	.		
3255	CFIS9	LL	1113.91850	.	.	.	.	NONE	.00523		
3256	MOPNOC9	BS	.	.	.	.	.	NONE	.72838		
3257	TRAN9	LL	.	.	.	.	.	NONE	.66629		
3258	DESPE10	LL	.	.	.	.	.	NONE	.		
3259	SCJAL0	BS	121.85004	.	.	25.00000	.	NONE	52748-		
3260	MENTAL0	UL	30.00000	.	.	10.00000	.	NONE	1.30565		
3261	MOA10	BS	960.92502	.	.	.	.	NONE	.93923		
3262	TEDE10	LL	.	.	.	.	.	NONE	.		
3263	CITRIC10	LL	.	.	.	.	.	NONE	.		
3264	MOIPE10	BS	365.00000	.	.	.	.	NONE	.		
3265	MOVEPE10	BS	430.00000	.	.	.	.	NONE	19972		
3266	CF010	BS	11537.00000	.	.	.	.	NONE	.00157		
3267	PINO10	LL	.	.	.	.	.	NONE	.		
3268	MCPI10	BS	.	.	.	.	.	NONE	.		
3269	CFIS10	LL	.	.	.	.	.	NONE	.		
3270	MOPNOC10	BS	1235.75654	.	.	.	.	NONE	.		
3271	TRAN10	BS	11155.02133	.	.	.	.	NONE	90650		
3272	DESPE11	LL	.	.	.	.	.	NONE	.86758		
3273	SCJAL1	BS	.	.	.	.	.	NONE	.		
3274	MENTAL1	UL	121.85004	.	.	25.00000	.	NONE	53085-		
3275	SUJTA11	BS	30.00000	.	.	10.00000	.	NONE	.		
3276	MOA11	UL	960.92502	.	.	.	.	NONE	83689		
3277	TEDE11	BS	.	.	.	.	.	NONE	.		
3278	MCPI11	LL	.	.	.	.	.	NONE	.		

MPSX/370 VIM3		MPSCL EXECUTION		..INPUT COST..		..LOWER LIMIT..		..UPPER LIMIT..		..REDUCED COST..	
NUM&FR	COLUMNS	AT	..ACTIVITY...								
379	CITPIC11	LL	320.00000							.56902	
380	MOIPE11	BS	515.00000								
381	MOVEPE11	BS	8531.00000								
382	CF011	BS									
383	PIM011	LL								.08249	
384	CFI011	BS									
385	CFI011	BS								.00158	
386	CFI011	BS									
387	MOIPE11	BS	1601.27063								
388	TFAN11	BS	15196.45264								
389	DESAP12	LL									
390	SOU#12	BS	96.64293							1.10661	
391	MFN1A12	UL	30.00000							1.07015	
392	FO412	BS	948.32147								
393	YF012	BS									
394	CITPIC12	LL									
395	MOIPE12	BS	335.00000								
396	MOIPE12	BS	960.00000								
397	CF012	BS	12037.00000								
398	PIM012	BS	151.85004								
399	CFI012	BS	501.10513								
400	CFI012	BS	4421.87316								
401	MOIPE12	BS	1897.16295								
402	MOIPE12	BS	1896.31430								
403	MOIPE12	BS	2721.45976								
404	MOIPE12	BS	531.44510								
405	MOIPE12	BS	2647.83603								
406	MOIPE12	BS	2971.51018								
407	MOIPE12	BS	6968.51018								

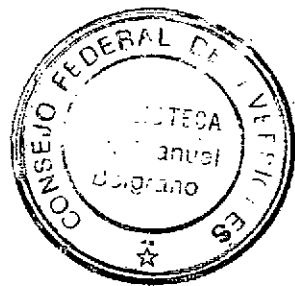
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MPX/370 VM3 MPSCL EXECUTION

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST...	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	104.85210	1.00000		NONE	
229	DESAL	BS	40.45842			NONE	
230	DESPE1	BS	1.81947			NONE	16577
231	SOJAL	BS	25.00000		25.00000	NONE	
232	MENTA1	BS	15.45842		10.00000	30.00000	
233	MOA1	BS	476.25272			NONE	
234	TE1	BS				NONE	36824
235	MO1PE1	BS				NONE	00692
236	MOVEPE1	BS				NONE	00692
237	CFD1	BS	3438.96604			NONE	
238	PINO1	BS	10.96069			NONE	
239	MOPI1	BS	36.17028			NONE	
240	CFIS1	BS	268.53693			NONE	
241	TPANI	BS	2682.78003	.1000000E-04		NONE	
242	DESA2	BS				NONE	17188
243	DESPE2	BS				NONE	17208
244	SOJA2	BS	25.00000		25.00000	NONE	30893
245	MENTA2	BS	13.63895		10.00000	NONE	
246	MOA2	BS	421.60848			NONE	
247	TE2	BS				NONE	51571
248	MO1PE2	BS				NONE	
249	MOVEPE2	BS				NONE	
250	CFD2	BS				NONE	00108
251	PINO2	BS				NONE	27339
252	MOPI2	BS	54.80345			NONE	
253	CFIS2	BS	375.95170			NONE	
254	TRAN2	BS	7814.25213	.1000000E-04		NONE	
255	DESA3	BS				NONE	57985
256	DESPE3	BS				NONE	57934
257	SOJA3	BS	25.00000		25.00000	NONE	30622
258	MENTA3	BS	11.81947		10.00000	NONE	
259	MOA3	BS	367.08424			NONE	
260	TEA3	BS				NONE	60621
261	CITRIC03	BS				NONE	68673
262	MO1PE3	BS				NONE	
263	MOVEPE3	BS				NONE	00103
264	CFD3	BS				NONE	14054
265	PINO3	BS				NONE	
266	MOPI3	BS	65.76415			NONE	
267	CFIS3	BS	445.00405			NONE	
268	TRAN3	BS	11036.12106	.1000000E-04		NONE	1.06772
269	DESA4	BS				NONE	98507
270	DESPE4	BS				NONE	76324
271	SOJA4	BS	25.00000		25.00000	NONE	45991
272	MENTA4	BS	10.00000		10.00000	NONE	
273	MOA4	BS	312.50000			NONE	52520
274	TEA4	BS				NONE	61677
275	CITRIC04	BS				NONE	
276	MO1PE4	BS				NONE	



MPX/370 VIM3	MPXCL EXECUTION	..ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
NUMBEP	.COLUMNS	AT				
277	MOVEPE4	BS			NONE	.00002
278	CF04	LL			NONE	.
279	PINO4	BS			NONE	.
280	MOP14	BS			NONE	.
281	CFIS4	BS			NONE	.
282	TRAN4	BS	.1000000E-04		NONE	1.84900
283	DESPE5	BS			NONE	.30025
284	SOJA5	LL			NONE	.
285	MENTA5	LL			NONE	.
286	MOA5	BS		10.00000	30.00000	.
287	TER5	BS			NONE	.
288	CITPIC05	BS			NONE	.19587-
289	MOIPE5	EQ			NONE	.
290	MOVEPE5	BS			NONE	.
291	CF05	BS			NONE	.
292	PINO5	BS			NONE	.07183
293	MOP15	BS			NONE	.
294	CFIS5	BS			NONE	.00732
295	MOPNOC5	BS			NONE	.
296	TRAN5	BS	.1000000E-04		NONE	.39008
297	DESPE6	LL			NONE	.32140
298	SOJA6	LL			NONE	.29936
299	MENTA6	LL			NONE	.
300	MOA6	BS		10.00000	30.00000	.
301	TFB6	BS			NONE	1.25368
302	CITPIC06	LL			NONE	1.26725
303	MOIPE6	EQ			NONE	.
304	MOVEPE6	BS			NONE	.
305	CF06	BS			NONE	.
306	PINO6	BS			NONE	.23655
307	MOP16	BS			NONE	.
308	CFIS6	BS			NONE	.
309	MOPNOC6	BS			NONE	.
310	TRAN6	BS	.1000000E-04		NONE	.78034
311	DESPE7	LL			NONE	1.17480
312	SOJA7	LL			NONE	.29597
313	MENTA7	LL			NONE	.
314	MOA7	BS		10.00000	30.00000	.32552
315	TER7	BS			NONE	.31804
316	CITPIC07	EQ			NONE	.
317	MOIPE7	BS			NONE	.
318	MOVEPE7	BS			NONE	.
319	CF07	BS			NONE	.02514
320	PINO7	BS			NONE	.
321	MOP17	BS			NONE	.
322	CFIS7	BS			NONE	.
323	MOPNOC7	BS	.1000000E-04		NONE	.
324	TRAN7	BS			NONE	.
325						.
326						.
327						.

MPX/370 VLM3	NUMBER	COLUMNS	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
328	DESPE8	LL	LL	.	.	.	NONE	1.16822
329	SOJA8	LL	LL	.	.	.	NONE	1.12407
330	MENTA8	BS	BS	18.12863	.	10.00000	30.00000	.28999
331	MOA8	LL	LL	543.85889	.	.	NONE	.
332	TEC8	LL	LL	.	.	.	NONE	.31883
333	IC08	BS	BS	.	.	.	NONE	.33897
334	MOIPE8	BS	BS	364.98578	.	.	NONE	.
335	MOVEPE8	BS	BS	796.33261	.	.	NONE	.
336	CF08	BS	BS	5522.81077	.	.	NONE	.
337	PINO8	BS	BS	.	.	.	NONE	.
338	MOP18	BS	BS	.	.	.	NONE	.
339	CF18	BS	BS	.	.	.	NONE	.
340	MOPNOC8	BS	BS	48.22704	.1000000E-04	.	NONE	.
341	TRAN8	BS	BS	2323.81167	.	.	NONE	1.51943
342	DESAP9	LL	LL	30.00000	.	.	NONE	.28621
343	DESPE9	LL	LL	.	.	10.00000	30.00000	.
344	SOJA9	BS	BS	.	.	.	NONE	.
345	MENTA9	BS	BS	30.00000	.	.	NONE	.
346	MOA9	BS	BS	900.00000	.	.	NONE	.
347	TED9	BS	BS	18.12863	.	.	NONE	17174-
348	CITRIC09	BS	BS	.	.	.	NONE	.
349	MOIPE9	BS	BS	1051.46052	.	.	NONE	.
350	MOVEPE9	BS	BS	181.28630	.	.	NONE	19783
351	CF09	BS	BS	16766.47132	.	.	NONE	.
352	PINO9	BS	BS	.	.	.	NONE	.
353	MOP19	BS	BS	.	.	.	NONE	.
354	CF19	BS	BS	867.87555	.1000000E-04	.	NONE	.
355	MOPNOC9	BS	BS	.	.	.	NONE	.00032
356	TRAN9	LL	LL	.	.	.	NONE	37759
357	DESAL0	LL	LL	.	.	.	NONE	35674
358	DESPELO	LL	LL	.	.	.	NONE	16414
359	SOJA10	LL	LL	.	.	10.00000	30.00000	.00925-
360	MENTAL0	BS	BS	30.00000	.	.	NONE	74304
361	MOA10	BS	BS	900.00000	.	.	NONE	88921
362	TED10	BS	BS	.	.	.	NONE	.
363	CITRIC10	BS	BS	199.41493	.	.	NONE	.
364	MOIPELO	BS	BS	181.28630	.	.	NONE	25148
365	MOVEPELO	BS	BS	4379.87691	.	.	NONE	.00043
366	CF10	BS	BS	.	.	.	NONE	.
367	PINO10	BS	BS	.	.	.	NONE	.
368	MOP110	BS	BS	.	.	.	NONE	.
369	CF110	BS	BS	.	.	.	NONE	.
370	MOPNOC10	BS	BS	884.31659	.1000000E-04	.	NONE	.
371	TRAN10	BS	BS	4612.03097	.	.	NONE	60001
372	DESAL1	LL	LL	.	.	.	NONE	58704
373	DESPE11	LL	LL	.	.	.	NONE	17676
374	SOJA11	BS	BS	30.00000	.	10.00000	30.00000	.
375	MENTAL1	BS	BS	900.00000	.	.	NONE	.28811
376	MOA11	BS	BS	.	.	.	NONE	.
377	TED11	BS	BS	.	.	.	NONE	.
378	CF111	BS	BS	.	.	.	NONE	.

MPSX/370	VIM3	MPSCL EXECUTION	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
379	CITRIC11	EQ						.60297
380	MOVEPE11	BS		199.41493			NONE	
381	CFU11	BS		108.77178			NONE	
382	PINO11	BS		2940.46372			NONE	.08561
383	MOP111	BS					NONE	.00052
384	CFIS11	BS					NONE	
385	MOPNOC11	BS		879.93231			NONE	.84354
386	TRAN11	BS		7830.19291	.1C00000E-04		NONE	.83125
387	DESA12	BS					NONE	.18013
388	DESPA12	BS					NONE	
389	SOJA12	BS					NONE	
390	MENTA12	BS					NONE	
391	MMA12	BS		21.12877		10.00000	NONE	
392	TEE12	BS		633.86311			NONE	
393	CITRIC12	BS		4.66574			NONE	.32912
394	MOVEPE12	BS					NONE	
395	CFU12	BS		470.02802			NONE	
396	PINO12	BS		481.74454			NONE	
397	MOP112	BS		9500.98350			NONE	
398	CFIS12	BS		25.33426			NONE	
399	MOPNOC12	BS		83.60305			NONE	
400	TRAN12	BS		737.73356			NONE	
401	DESA12	BS		879.93231			NONE	
402	DESPA12	BS		279.87449			NONE	
403	SOJA12	BS		1119.49796			NONE	
404	MENTA12	BS		141.28122			NONE	
405	MMA12	BS		1895.58435			NONE	
406	TEE12	BS		1324.73458			NONE	
407	CITRIC12	BS		2443.68160			NONE	

# EMPRESA - B: FAMILIAR MEDIA

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MPSCL EXECUTION

MPSX/370 VIM3

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST...	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	185.46191	1.00000		NONE	
229	DESAL	BS	60.23798			NONE	
230	DESPE1	BS	2.61899		25.00000	NONE	.64302-
231	SOJAL	BS	30.23798		10.00000	30.00000	
232	MENTAI	UL	30.00000			NONE	.44898
233	MOAI	AS	915.11899			NONE	.02472
234	TEI	LL				NONE	
235	MOIPE1	LL				NONE	
236	MOVEPE1	BS	5120.22870			NONE	
237	CFQ1	BS	15.77706			NONE	
238	PINO1	BS	52.06431			NONE	
239	MOPI1	BS	386.53803			NONE	
240	CFISI	BS	4823.20801	.1000000E-04		NONE	.36167
241	TRAN1	BS				NONE	.05236
242	DESPE2	LL				NONE	
243	SOJAL	BS	27.61899		25.00000	NONE	1.18660-
244	MENTA2	UL	30.00000		10.00000	30.00000	
245	MOA2	AS	913.80950			NONE	1.15406
246	TE2	LL				NONE	.02444
247	MOIPE2	LL				NONE	.02444
248	MOVEPE2	LL				NONE	.00013
249	CFQ2	LL				NONE	.55845
250	PINO2	LL				NONE	
251	MOPI2	BS	78.88531			NONE	
252	CFIS2	BS	541.15324			NONE	.74042
253	TRAN2	BS	15815.01769	.1000000E-04		NONE	.43005
254	DESPE3	LL				NONE	1.01846
255	SOJAL	LL				NONE	.14637-
256	MENTA3	LL	25.00000		25.00000	30.00000	
257	MOA3	UL	30.00000		10.00000	NONE	2.95511
258	TEA3	UL	912.50000			NONE	2.41966
259	CITRIC03	BS				NONE	
260	MOIPE3	BS				NONE	.00007
261	MOVEPE3	BS				NONE	.29612
262	CFQ3	LL				NONE	
263	PINO3	LL	94.66237			NONE	
264	MOPI3	BS	640.54873			NONE	
265	CFIS3	BS	25069.73175	.1000000E-04		NONE	2.13849
266	TRAN3	BS				NONE	1.82706
267	DESPE4	LL				NONE	1.14290
268	SOJAL	LL				NONE	
269	MENTA4	LL	25.00000		25.00000	30.00000	
270	MOA4	UL	27.38101		10.00000	NONE	.88084
271	TEA4	UL	833.93023			NONE	1.12511
272	CITRIC04	BS				NONE	
273	MOIPE4	BS				NONE	
274	MOVEPE4	BS				NONE	
275	CFQ4	LL				NONE	
276	PINO4	LL				NONE	

MPSX/370	VIM3	NUMBER	AT	MPSCS EXECUTION	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
277	MOVPE4	RS	..	..	..	..	NONE	.5873943E-05
278	CF04	LL	..	..	..	..	NONE	..
279	PINO4	BS	..	..	..	..	NONE	..
280	MOPI4	BS	..	94.66237	..	..	NONE	..
281	CFIS4	BS	..	659.48120	..	..	NONE	..
282	TRAN4	BS	..	32473.40123	..	..	NONE	..
283	DESA5	BS	..	57.61899	..	..	NONE	..
284	DESA5	BS	..	..	..	..	NONE	3.34936
285	DESA5	BS	..	27.61899	..	..	NONE	..
286	SOJA5	BS	..	30.00000	25.00000	30.00000	NONE	1.12078-
287	MENTA5	UL	..	913.80950	10.00000	..	NONE	..
288	MOA5	BS	..	49.75202	..	..	NONE	..
289	CITRIC05	BS	..	..	..	..	NONE	..
290	MOIPE5	BS	..	2886.19689	..	..	NONE	..
291	MOVPE5	BS	..	497.62015	..	..	NONE	..
292	CF05	BS	..	7902.15633	..	..	NONE	..
293	PINO5	BS	..	..	..	..	NONE	..
294	MOPI5	BS	..	99.39549	..	..	NONE	..
295	CFIS5	BS	..	690.71979	..	..	NONE	..
296	MOPNDC5	BS	..	..	..	..	NONE	..
297	TRAN5	LL	..	..	..	..	NONE	..
298	DESA6	LL	..	..	..	..	NONE	..
299	DESA6	LL	..	..	..	..	NONE	..
300	SOJA6	BS	..	25.00000	25.00000	30.00000	NONE	..
301	MENTA6	UL	..	30.00000	10.00000	..	NONE	..
302	MOA6	BS	..	912.50000	..	..	NONE	..
303	TFB6	LL	..	..	..	..	NONE	..
304	CITRIC06	BS	..	547.38217	..	..	NONE	..
305	MOIPE6	BS	..	497.62015	..	..	NONE	..
306	MOVPE6	BS	..	10728.69050	..	..	NONE	..
307	CF06	BS	..	..	..	..	NONE	..
308	PINO6	BS	..	99.39549	..	..	NONE	..
309	MOPI6	BS	..	710.59889	..	..	NONE	..
310	CFIS6	BS	..	..	..	..	NONE	..
311	MOPNDC6	BS	..	4782.28016	..	..	NONE	..
312	TRAN6	LL	..	..	..	..	NONE	..
313	DESA7	LL	..	..	..	..	NONE	..
314	DESA7	LL	..	25.00000	25.00000	30.00000	NONE	..
315	SOJA7	UL	..	30.00000	10.00000	..	NONE	..
316	MENTA7	UL	..	912.50000	..	..	NONE	..
317	MOA7	BS	..	..	..	..	NONE	..
318	TEC7	LL	..	..	..	..	NONE	..
319	CITRIC07	BS	..	547.38217	..	..	NONE	..
320	MOIPE7	BS	..	298.57209	..	..	NONE	..
321	MOVPE7	BS	..	7394.63548	..	..	NONE	..
322	CF07	BS	..	..	..	..	NONE	..
323	PINO7	BS	..	..	..	..	NONE	..
324	MOPI7	BS	..	..	..	..	NONE	..
325	CFIS7	BS	..	..	..	..	NONE	..
326	MOPNDC7	BS	..	94.66237	..	..	NONE	..
327	TRAN7	BS	..	8616.86615	..	..	NONE	..

MPX/370	VIM3	NUMBR	MPSCS EXECUTION	..ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
328	DFSAB	LL	..	..	..	..	NONE	1.76061
329	DFSPEB	LL	25.00000	..	..	25.00000	NONE	2.34686
330	SOJAB	LL	30.00000	..	..	10.00000	NONE	.92898
331	MFNTAB	BS	912.50000	..	..	..	30.00000	..
332	MNAB	BS	..	..	..	..	NONE	..
333	TEC8	LL	..	..	..	..	NONE	70315
334	CITRIC08	LL	547.38217	..	..	..	..	38981
335	MOIPE8	BS	1194.28837	..	..	..	NONE	..
336	MOVEPE8	BS	14281.69840	..	..	..	NONE	..
337	CF08	BS	..	..	..	..	NONE	..
338	PIN08	BS	..	..	..	..	NONE	..
339	MCP18	BS	..	..	..	..	NONE	..
340	CF18	BS	69.41907	..	..	..	NONE	..
341	MOPNOC8	BS	13744.07655	..	..	..	NONE	..
342	TFAN8	BS	42.66740	..	..	..	NONE	2.84156
343	DESA9	BS	12.66740	..	..	..	NONE	..
344	DESPE9	BS	30.00000	..	..	10.00000	NONE	90926-
345	SOJA9	BS	906.33370	..	..	..	NONE	..
346	MENTA9	BS	55.00000	..	..	..	NONE	..
347	MCA9	BS	..	..	..	..	NONE	60641-
348	TF09	BS	..	..	..	..	NONE	..
349	CITRIC09	BS	2190.00000	..	..	..	NONE	..
350	MOIPE9	BS	550.00000	..	..	..	NONE	..
351	MOVEPE9	BS	46757.72909	..	..	..	NONE	34124
352	CF09	BS	..	..	..	..	NONE	..
353	PIN09	BS	..	..	..	..	NONE	..
354	MCP19	BS	..	..	..	..	NONE	..
355	CF19	BS	1299.27010	..	..	..	NONE	..
356	MOPNOC9	BS	4345.99260	..	..	..	NONE	29843
357	TFAN9	BS	..	..	..	..	NONE	19277
358	DESA10	BS	..	..	..	..	NONE	..
359	DESPE10	BS	12.56740	..	..	..	NONE	88936-
360	SOJA10	BS	30.00000	..	..	..	NONE	..
361	MENTA10	BS	906.33370	..	..	10.00000	NONE	1.98656
362	MCA10	BS	..	..	..	..	NONE	1.67824
363	TFD10	BS	..	..	..	..	NONE	..
364	CITRIC10	BS	605.00000	..	..	..	NONE	..
365	MOIPE10	BS	550.00000	..	..	..	NONE	..
366	MOVEPE10	BS	13288.00000	..	..	..	NONE	50441
367	CFD10	BS	..	..	..	..	NONE	..
368	PIN10	BS	..	..	..	..	NONE	00171
369	MCP110	BS	..	..	..	..	NONE	..
370	CF110	BS	1322.93569	..	..	..	NONE	..
371	MOPNOC10	BS	9102.92947	..	..	..	NONE	59761
372	TFAN10	BS	..	..	..	..	NONE	53216
373	DESA11	BS	..	..	..	..	NONE	..
374	DESPE11	BS	12.66740	..	..	..	NONE	89273-
375	SOJA11	BS	30.00000	..	..	10.00000	NONE	..
376	MENTA11	BS	906.33370	..	..	..	NONE	1.03979
377	MCA11	BS	..	..	..	..	NONE	..
378	TFE11	BS	..	..	..	..	NONE	..



EMPRESA - C: FAMILIAR GRANDE  
HIPOTESIS IV - a

MPSX/370 VM3 MPSCL EXECUTION

SECTION 2 - COLUMNS

NUMBER	.COLUMNS	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
228	COTIERRA	BS	382.69248	1.00000	.	NONE	.
229	DESAL	BS	55.00000	.	.	NONE	.
230	DESPEL	BS	.	.	25.00000	NONE	1.69422-
231	SOJAL	BS	25.00000	.	10.00000	30.00000	.
232	MENTAL	UL	30.00000	.	.	NONE	.
233	MOA1	BS	912.50000	.	.	NONE	..03188
234	TE1	BS	.	.	.	NONE	.
235	MOIPE1	LL	.	.	.	NONE	..46935
236	MOVEPE1	BS	4675.00000	.	.	NONE	.
237	CFQ1	LL	.	.	.	NONE	.
238	PINO1	LL	.	.	.	NONE	.
239	MOPI1	BS	.	.	.	NONE	..42207
240	CFISI1	BS	715.75000	..1000000E-04	.	NONE	..10253
241	TPAN1	BS	.	.	.	NONE	..67657
242	DESPE2	LL	.	.	.	NONE	2..44320-
243	SOJA2	LL	25.00000	.	25.00000	30.00000	.
244	MENTA2	UL	30.00000	.	10.00000	NONE	.
245	MOA2	UL	912.50000	.	.	NONE	.
246	TE2	BS	.	.	.	NONE	.
247	MOIPE2	BS	.	.	.	NONE	..00673
248	MOVEPE2	BS	.	.	.	NONE	..43340
249	CFQ2	LL	.	.	.	NONE	..00765
250	PINO2	LL	.	.	.	NONE	2.04563
251	MOPI2	BS	.	.	.	NONE	1.77210
252	CFIS2	LL	7880.25000	..1000000E-04	.	NONE	.
253	TRAN2	BS	.	.	.	NONE	3.05605-
254	DESPE3	LL	.	.	.	NONE	.
255	SOJA3	LL	25.00000	.	25.00000	30.00000	1.80493
256	MENTA3	RS	30.00000	.	10.00000	NONE	.
257	MOA3	UL	912.50000	.	.	NONE	..00613
258	TEA3	BS	.	.	.	NONE	..30582
259	CITRIC03	BS	.	.	.	NONE	..03371
260	MOIPE3	BS	.	.	.	NONE	..46281
261	MOVEPE3	BS	.	.	.	NONE	3.76525
262	CFQ3	LL	.	.	.	NONE	2.99216
263	PINO3	LL	.	.	.	NONE	.
264	MOPI3	LL	.	.	.	NONE	..22433
265	CFIS3	LL	.	.	.	NONE	1.75136
266	TRAN3	BS	13724.67500	..1000000E-04	.	NONE	..05905
267	DESPE4	LL	.	.	.	NONE	.
268	SOJA4	LL	25.00000	.	25.00000	30.00000	.
269	MENTA4	UL	26.18238	.	10.00000	NONE	.
270	MOA4	BS	798.15149	.	.	NONE	..22433
271	TEA4	BS	.	.	.	NONE	1.75136
272	CITRIC04	BS	.	.	.	NONE	..05905
273	MOIPE4	BS	.	.	.	NONE	.
274	MOVEPE4	BS	.	.	.	NONE	.
275	CFQ4	LL	.	.	.	NONE	.
276	PINO4	LL	.	.	.	NONE	.

MPX/370 VIM3	MPSC EXECUTION	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
NUMBER	..ACTIVITY...				
277	MOVEPE4			NONE	
278	CF04			NONE	
279	PIN04			NONE	
280	MOP14			NONE	
281	CF1S4			NONE	
282	TRAN4			NONE	
283	DESA5	.1000000E-04		NONE	
284	DESA5			NONE	
285	DESA5			NONE	6.75071
286	SOJA5		25.00000	NONE	
287	MENTA5		10.00000	NONE	2.92809-
288	MOA5			NONE	
289	TEB5			NONE	1.31685-
290	CITRIC05			NONE	
291	MOP1E5			NONE	
292	MOVEPE5			NONE	
293	CF05			NONE	
294	PIN05			NONE	
295	MOP15			NONE	.04464
296	CF1S5			NONE	
297	MOPNOC5			NONE	
298	TRAN5	.1000000E-04		NONE	
299	DESA6			NONE	.87653
300	DESA6			NONE	.39284
301	SOJA6		25.00000	NONE	
302	MENTA6		10.00000	NONE	2.88653-
303	MOA6			NONE	5.51769
304	TEB6			NONE	3.84084
305	CITRIC06			NONE	
306	MOP1E6			NONE	
307	MOVEPE6			NONE	
308	CF06			NONE	.72289
309	PIN06			NONE	
310	MOP16			NONE	
311	CF1S6			NONE	
312	TRAN6			NONE	
313	DESA7	.1000000E-04		NONE	
314	DESA7			NONE	1.75343
315	SOJA7			NONE	1.38680
316	MENTA7			NONE	
317	MOA7		25.00000	NONE	2.82214-
318	TEC7		10.00000	NONE	
319	CITRIC07			NONE	3.71971
320	MOP1E7			NONE	1.85931
321	MOVEPE7			NONE	
322	CF07			NONE	
323	PIN07			NONE	.33517
324	MOP17			NONE	
325	CF1S7			NONE	
326	MOPNOC7			NONE	
327	TRAN7	.1000000E-04		NONE	

MPX/370 VIM3	MPXCL EXECUTION	..ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
NUMBER	.COLUMNS	AT				
328	DESA8	LL				2.63031
329	DESPA8	BS				2.38091
330	SOJA8	UL		25.00000		
331	MENTA8	BS		10.00000	30.00000	2.73482-
332	MOA8	BS				1.59796
333	TEC8	LL				.19979
334	CITRIC08	EQ				
335	MOIPE8	BS				
336	MOVEPE8	BS				.06685
337	CF08	BS				
338	PINO8	LL				
339	MOPI8	BS				
340	CFI8	BS				
341	MOPNOC8	BS				
342	TRAN8	BS	.1000000E-04			
343	DESA9	BS				
344	DESPA9	LL				3.37476
345	SOJA9	UL		25.00000		
346	MENTA9	BS		10.00000	30.00000	2.67005-
347	MOA9	BS				
348	TEO9	BS				
349	CITRIC09	EQ				1.38920-
350	MOIPE9	BS				
351	MOVEPE9	BS				
352	CF09	BS				
353	PINO9	BS				
354	MOPI9	BS				
355	CFI9	BS				
356	MOPNOC9	BS				.00645
357	TRAN9	LL	.1000000E-04			.47936
358	DESA10	LL				.42789
359	DESPA10	LL				
360	SOJA10	BS		25.00000		.43184-
361	MENTA10	UL		10.00000	30.00000	1.07028
362	MOA10	BS				.76994
363	TEO10	LL				
364	CITRIC10	EQ				
365	MOIPE10	BS				
366	MOVEPE10	BS				.18284
367	CF010	BS				.00128
368	PINO10	LL				
369	MOPI10	BS				
370	CFI10	BS				
371	MOPNOC10	BS	.1000000E-04			
372	TRAN10	BS				
373	DESA11	BS				
374	DESPA11	BS				
375	SOJA11	UL		25.00000		.43521-
376	MENTA11	BS		10.00000	30.00000	.65449
377	MOA11	BS				
378	TEO11	LL				

MPSX/370	VIM3	..COLUMNS	AT	MPSCL EXECUTION	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
379	CITRIC11	EQ						.43483
380	MOIPE11	BS		664.01816			NONE	
381	MOVEPE11	BS		362.19173			NONE	
382	CFOI1	BS		9791.24967			NONE	.08253
383	PINOI1	BS					NONE	.00065
384	MOP11	BS					NONE	
385	CFISI1	BS					NONE	
386	MOPNOC11	BS		1285.44996			NONE	.16410
387	TRAN11	BS		18217.18842			NONE	.13416
388	DESA12	LL					NONE	
389	DESPA12	LL					NONE	.43858-
390	SQJAI2	BS		141.85886		25.00000	NONE	
391	MENAI2	BS		30.00000		10.00000	NONE	.41004
392	MOAI2	BS		970.92943			NONE	.22712
393	TEFI12	LL					NONE	
394	CITRIC12	EQ					NONE	
395	MOIPE12	BS		664.01816			NONE	
396	MOVEPE12	BS		1448.76691			NONE	
397	CFOI2	BS		18169.95160			NONE	
398	PINOI2	BS		206.06578			NONE	
399	MOP12	BS		680.01707			NONE	
400	CFISI2	BS		600.63548			NONE	
401	MOPNOC20	BS		1264.78457			NONE	
402	MOIPE20	BS		538.71027			NONE	
403	MOVEPE20	BS		2154.84103			NONE	
404	MOP120	BS		792.41103			NONE	
405	MOIPE25	BS		1831.61491			NONE	
406	MOVEPE25	BS		2585.80929			NONE	
407	MOP125	BS		1058.11802			NONE	

# EMPRESA - A: FAMILIAR PROPIAMENTE DICHA

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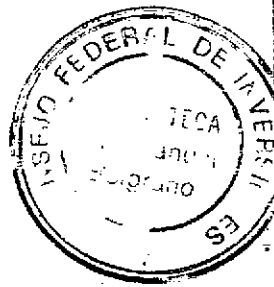
## HIPOTESIS IV - b

MPSCS EXECUTION

MPSCS/370 VLM3

### SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST...	LOWER LIMIT	UPPER LIMIT	REDUCED COST
228	COTIERRA	BS	98.37673	1.00000		NONE	
229	DESAL	BS	35.00000			NONE	
230	DESPEL	BS				NONE	17736
231	SOJAL	BS	25.00000		25.00000	NONE	
232	MENTAL	BS	10.00000		10.00000	NONE	
233	MOA1	BS	312.50000			NONE	1.04649
234	TEI	BS				NONE	
235	MOIPEL	BS				NONE	
236	MOIPEL1	BS				NONE	
237	CF01	BS	2975.00000			NONE	
238	PINO1	BS				NONE	
239	MOPI1	BS				NONE	
240	CFIS1	BS				NONE	
241	TEAN1	BS				NONE	
242	DESAL2	BS	1160.75000	1.00000E-04		NONE	27650
243	DESPE2	BS				NONE	19042
244	SOJA2	BS	25.00000		25.00000	NONE	33024
245	MENTA2	BS	10.00000		10.00000	NONE	
246	MOA2	BS	312.50000			NONE	
247	TE2	BS				NONE	
248	MOIPE2	BS				NONE	60615
249	MOIPE2	BS				NONE	00680
250	CF02	BS				NONE	00680
251	PINO2	BS				NONE	00005
252	MOPI2	BS				NONE	10055
253	CFIS2	BS				NONE	
254	TRAN2	BS	4722.25000	1.00000E-04		NONE	
255	DESAL3	BS				NONE	62630
256	DESPE3	BS				NONE	62576
257	SOJA3	BS	25.00000		25.00000	NONE	32706
258	MENTA3	BS	10.00000		10.00000	NONE	
259	MOA3	BS	312.50000			NONE	
260	TEA3	BS				NONE	41439
261	CITRIC03	BS				NONE	57711
262	MOIPE3	BS				NONE	
263	MOIPE3	BS				NONE	
264	CF03	BS				NONE	00104
265	PINO3	BS				NONE	
266	MOPI3	BS				NONE	
267	CFIS3	BS				NONE	
268	TRAN3	BS				NONE	
269	DESAL4	BS	7516.97500	1.00000E-04		NONE	1.14732
270	DESPE4	BS				NONE	1.05911
271	SOJA4	BS	25.00000		25.00000	NONE	51881
272	MENTA4	BS	10.00000		10.00000	NONE	19510
273	MOA4	BS	312.50000			NONE	52029
274	TEA4	BS				NONE	52132
275	CITRIC04	BS				NONE	
276	MOIPE4	BS				NONE	



MPSX/370 VIM3	NUMBER	.COLUMNS	AT	MPSCL EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
277	MOVEPE4	BS							
278	CF04	LL							.1497427E-05
279	PINO4	LL							.03314
280	MPI14	BS							
281	CFI14	BS							
282	TRAN4	BS							
283	DESA5	BS		10017.95000	.1000000E-04				1.68538
284	DESPE5	BS		21.57152					.32017
285	SOJA5	LL				10.00000	30.00000		
286	MENTA5	BS		21.57152					
287	MOA5	BS		647.14570					
288	YFHS	BS		5.00000			30.00000		.03901-
289	CITPIC05	BS		30.00000					
290	MOTPE5	BS		680.00000					
291	MOVEPE5	BS		140.00000					.02265
292	CF05	BS		4448.17149					
293	PINO5	LL							
294	MPI15	BS							
295	CFI15	BS							.00013
296	MOPNOC5	BS							.41494
297	TRANS	LL			.1000000E-04				.33953
298	DESA6	LL							.26947
299	DESPE6	LL							
300	SOJA6	LL				10.00000	30.00000		
301	MENTA6	BS		21.57152					1.17869
302	MOA6	BS		647.14570					1.28344
303	TER6	LL							
304	CITRIC06	LL							
305	MOTPE6	BS		145.00000					
306	MOVEPE6	BS		230.00000					.16855
307	CF06	BS		6325.00000					
308	PINO6	LL							
309	MPI16	BS							.00682
310	CFI16	BS							
311	MOPNOC6	LL		2653.50232	.1000000E-04				.76623
312	TRANS	LL							1.03548
313	DESA7	LL							.26679
314	DESPE7	LL							
315	SOJA7	LL							
316	MENTA7	BS		21.57152		10.00000	30.00000		.43063
317	MOA7	BS		647.14570					.50778
318	TEC7	LL							
319	CITPIC07	LL							
320	MOTPE7	BS		100.00000					
321	MOVEPE7	BS		195.00000					
322	CF07	BS		5051.00000					
323	PINO7	BS							
324	MPI17	BS							
325	CFI17	BS							
326	MOPNOC7	BS							
327	TRAN7	BS		4414.08165	.1000000E-04				

MPSX/370 VIM3	MPSCL EXECUTION	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST..
328	DESA8	LL	.	.	.	NONE	1.11586
329	CFIS8	LL	.	.	.	NONE	1.06236
330	SOJA8	BS	21.57152	.	10.00000	NONE	.26174
331	MENTA8	BS	647.14570	.	.	30.00000	.
332	TEC8	LL	.	.	.	NONE	.39785
333	CITRIC08	LL	.	.	.	NONE	.48324
334	MOIPE8	BS	115.00000	.	.	NONE	.
335	MOVPE8	BS	480.00000	.	.	NONE	.
336	CF08	BS	5779.00000	.	.	NONE	.
337	PINO8	LL	.	.	.	NONE	.01893
338	MCPI8	LL	.	.	.	NONE	.
339	CFIS8	BS	.	.	.	NONE	.00153
340	MOPNOC8	LL	.	.	.	NONE	.
341	TRAN8	BS	4967.54771	.1000000E-04	.	NONE	.
342	DESA9	BS	30.00000	.	.	NONE	1.41942
343	DESPA9	LL	.	.	.	NONE	.03002
344	SOJA9	LL	.	.	.	NONE	.22865
345	MENTA9	LL	.	.	.	NONE	.
346	MOA9	BS	30.00000	.	10.00000	30.00000	.
347	TEC9	BS	900.00000	.	.	NONE	.
348	CITRIC09	BS	7.24504	.	.	30.00000	.
349	MOIPE9	BS	14.33648	.	.	NONE	.
350	MOVPE9	BS	606.43680	.	.	NONE	.
351	CF09	BS	115.42988	.	.	NONE	.
352	PINO9	LL	13257.29262	.	.	NONE	.
353	MCPI9	LL	.	.	.	NONE	.13332
354	CFIS9	BS	.	.	.	NONE	.00076
355	MOPNOC9	LL	.	.	.	NONE	.
356	TRAN9	BS	425.00000	.1000000E-04	.	NONE	.
357	DESA10	BS	4272.53822	.	.	NONE	.99028
358	DESPA10	LL	.	.	.	NONE	.25542
359	SOJA10	LL	.	.	.	NONE	.
360	MENTA10	BS	30.00000	.	10.00000	30.00000	.
361	MOA10	BS	900.00000	.	.	NONE	.
362	TEC10	BS	.	.	.	NONE	.20939
363	CITRIC10	LL	.	.	.	NONE	.
364	MOIPE10	BS	122.67492	.	.	NONE	.
365	MOVPE10	BS	158.40932	.	.	NONE	.
366	CF10	BS	4385.04222	.	.	NONE	.17233
367	PINO10	LL	.	.	.	NONE	.
368	MCPI10	LL	.	.	.	NONE	.
369	CFIS10	BS	.	.	.	NONE	.
370	MOPNOC10	BS	635.00000	.1000000E-04	.	NONE	.
371	TRAN10	BS	11225.14584	.	.	NONE	.34130
372	DESA11	LL	.	.	.	NONE	.32232
373	DESPA11	LL	.	.	.	NONE	.25879
374	SOJA11	LL	.	.	.	NONE	.
375	MENTA11	BS	30.00000	.	10.00000	30.00000	.
376	MOA11	BS	900.00000	.	.	NONE	.55442
377	TEC11	LL	.	.	.	NONE	.
378	CFIS11	LL	.	.	.	NONE	.

MPX/370 VIM3	MPSC EXECUTION	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
NUMBER	COLUMNS	AT	..ACTIVITY...		
379	CITRIC11	LL	101.18521		.79931
380	MOIPEL11	BS	122.26590		
381	MOVPEP11	BS	3312.65688		.10738
382	CFOL11	BS			.00048
383	PINQ11	BS			
384	MOPI11	BS			
385	CFIS11	BS			
386	MPNOC11	BS	1265.00000		.70771
387	TRAN11	BS	12935.53197		.67987
388	DESAL12	LL			.26216
389	DESP12	LL			
390	SOJAL12	BS			
391	MENYA12	BS	14.25210		
392	MDA12	BS	427.56297		
393	TFE12	BS	12.91115		
394	CITRIC12	LL			
395	MOIPEL12	BS	857.19527		.37323
396	MOVPEP12	BS	474.91033		
397	CFOL12	BS	15526.84749		
398	PINQ12	BS	17.08885		
399	MOPI12	BS	56.39320		
400	CFIS12	BS	497.62725		
401	MPNOC12	BS	1775.00000		
402	MOIPEP20	BS	1806.28539		
403	MOVPEP20	BS	1877.24478		
404	MOPI20	BS	359.81097		
405	MOIPEP25	BS	1753.22592		
406	MOVPEP25	BS	1926.22496		
407	MOPI25	BS	78.60870		

MPSX/370 VLM3 MPSCL EXECUTION

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST...	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
228	COTIERRA	BS	165.71835	1.00000		NONE	
229	DESAL	BS	56.74543			NONE	
230	DESPE1	BS	1.74543			NONE	
231	SOJA1	BS	26.70543		25.00000		31786-
232	MENTA1	UL	36.70543		10.00000	30.00000	
233	MOA1	BS	912.37472			NONE	.00013
234	TEI	LL				NONE	.01298
235	MOIPE1	LL				NONE	
236	MOVEPE1	RS				NONE	
237	CFI1	BS	4823.70163			NONE	
238	PINO1	BS	10.53874			NONE	
239	MOPI1	BS	34.77784			NONE	
240	CFIS1	BS	356.19915			NONE	
241	TPAN1	BS	4580.17471	.1000000E-04		NONE	
242	DESA2	LL				NONE	16932
243	DESPE2	LL				NONE	.01589
244	SOJA2	LL	25.00000		25.00000	NONE	.52300
245	MENTA2	UL	30.00000		10.00000	30.00000	.06563-
246	MOA2	BS	912.50000			NONE	.48253
247	TF2	LL				NONE	.01212
248	MOIPE2	LL				NONE	.01212
249	MOVEPE2	LL				NONE	.00021
250	CFI2	BS				NONE	.41671
251	PINO2	BS	52.69370			NONE	
252	MOPI2	BS	361.47880			NONE	.72720
253	CFIS2	BS	15418.16800	.1000000E-04		NONE	.72625
254	TRAN2	LL				NONE	.57985
255	DESA3	LL				NONE	
256	DESPE3	LL	25.00000		25.00000	NONE	
257	SOJA3	BS	28.25057		10.00000	NONE	.17976
258	MENTA3	UL	866.01707			NONE	.49774
259	MOA3	BS				NONE	
260	TF3	LL				NONE	.00202
261	CITRICO3	LL				NONE	.16006
262	MOIPE3	BS				NONE	
263	MOVEPE3	LL				NONE	
264	CFI3	BS				NONE	
265	PINO3	BS	63.23244			NONE	
266	MOPI3	BS	427.87287			NONE	1.63100
267	CFIS3	BS	24017.03009	.1000000E-04		NONE	1.49453
268	TRAN3	LL				NONE	.57088
269	DESA4	LL				NONE	
270	DESPE4	LL				NONE	
271	SOJA4	BS	25.00000		25.00000	NONE	
272	MENTA4	UL	26.50114		10.00000	30.00000	
273	MOA4	BS	807.53414			NONE	
274	TF4	LL				NONE	.41943
275	CITRICO4	LL				NONE	
276	MOIPE4	BS				NONE	

MPSX/370 VLM3 MPSCL EXECUTION

NUMBER	COLUMNS	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
277	MOVEPE4	LL	.	.	.	NONE	.01155
278	CF04	LL	.	.	.	NONE	.00044
279	PIN04	BS	.	.	.	NONE	.
280	MOP14	BS	63.23244	.	.	NONE	.
281	CF1S4	BS	440.51936	.	.	NONE	.
282	TRAN4	BS	31235.55950	.1000000E-04	.	NONE	.
283	DESA5	BS	56.74943	.	.	NONE	2.25493
284	DESA5	BS	.	.	.	NONE	.
285	DESA5	BS	26.74943	.	25.00000	NONE	.56175-
286	SOJA5	UL	30.00000	.	10.00000	30.00000	.
287	MENTA5	BS	913.37472	.	.	NONE	.
288	MOA5	BS	15.75171	.	.	30.00000	.08876-
289	CITRIC05	UL	30.00000	.	.	NONE	.
290	MOTPE5	BS	1535.59901	.	.	NONE	.00022
291	MOVEPE5	BS	287.51707	.	.	NONE	.16650
292	CF05	LL	.	.	.	NONE	.
293	PIN05	LL	66.39407	.	.	NONE	.
294	MOP15	BS	461.38607	.	.	NONE	.
295	CF1S5	BS	.	.	.	NONE	.
296	MOPNOC5	BS	4435.55210	.1000000E-04	.	NONE	.18652
297	TRAN5	BS	.	.	.	NONE	.03396
298	DESA6	LL	.	.	.	NONE	.41989
299	DESA6	LL	25.00000	.	25.00000	NONE	.13692-
300	SOJA6	LL	30.00000	.	10.00000	30.00000	2.18205
301	MENTA6	UL	912.50000	.	.	NONE	2.17546
302	MOA6	BS	.	.	.	NONE	.
303	TFB6	LL	.	.	.	NONE	.
304	CITRIC06	LL	307.26878	.	.	NONE	.
305	MOTPE6	BS	377.51707	.	.	NONE	.
306	MOVEPE6	BS	5505.46806	.	.	NONE	.39548
307	CF06	BS	.	.	.	NONE	.
308	PIN06	BS	66.39407	.	.	NONE	.
309	MOP16	BS	474.66488	.	.	NONE	.
310	CF1S6	BS	.	.	.	NONE	.
311	MOPNOC6	BS	5989.60766	.1000000E-04	.	NONE	.77551
312	TRAN6	BS	.	.	.	NONE	.64550
313	DESA7	LL	.	.	.	NONE	.54734
314	DESA7	LL	25.00000	.	25.00000	NONE	.
315	SOJA7	LL	30.00000	.	10.00000	30.00000	1.54388
316	MENTA7	BS	912.50000	.	.	NONE	1.40028
317	MOA7	BS	.	.	.	NONE	.
318	TEC7	LL	.	.	.	NONE	.
319	CITRIC07	LL	262.26878	.	.	NONE	.
320	MOTPE7	BS	283.51024	.	.	NONE	.16799
321	MOVEPE7	BS	7243.10368	.	.	NONE	.
322	CF07	BS	.	.	.	NONE	.
323	PIN07	BS	.	.	.	NONE	.
324	MOP17	BS	.	.	.	NONE	.
325	CF1S7	BS	63.23244	.	.	NONE	.
326	MOPNOC7	BS	15558.13061	.1000000E-04	.	NONE	.
327	TRAN7	BS	.	.	.	NONE	.

MPX/370 VIM3

MPX/370 VIM3

NUMBER	COLUMNS	AT	ACTIVITY...	INPUT COST..	LOWER LIMIT.	UPPER LIMIT.	REDUCED COST.
328	DESAB	LL	.	.	.	NONE	1.49287
329	DESAB	LL	25.00000	25.00000	.	NONE	2.03186
330	SOJA3	LL	30.00000	10.00000	30.00000	NONE	.53327
331	MCNT48	RS	912.50000	.	.	NONE	.
332	MOA8	RS	.	.	.	NONE	.13914
333	TECH	LL	.	.	.	NONE	.01340
334	CITRIC08	LL	277.26878	.	.	NONE	.
335	MOIPE8	BS	834.04097	.	.	NONE	.
336	MOVEPE8	BS	10012.73995	.	.	NONE	.
337	CFQ8	BS	.	.	.	NONE	.
338	PINO8	BS	.	.	.	NONE	.
339	MOPI8	BS	.	.	.	NONE	.
340	CFISB	BS	46.37046	.	.	NONE	.
341	MOPNOC8	BS	20450.01070	.1000000E-04	.	NONE	2.11279
342	TSAN8	BS	30.54171	.	.	NONE	.52342-
343	DESPE9	LL	.	.	10.00000	NONE	.
344	SOJA9	RS	54171	.	.	NONE	.
345	MENT49	UL	30.00000	.	30.00000	NONE	.35700-
346	MENT49	UL	900.27085	.	.	NONE	.
347	TEF9	BS	25.00000	.	30.00000	NONE	.
348	CITRIC09	UL	30.00000	.	.	NONE	.
349	MOIPE9	BS	1840.00000	.	.	NONE	.
350	MOVEPE9	BS	340.00000	.	.	NONE	.30110
351	CFQ9	RS	32725.04510	.	.	NONE	.
352	PINO9	LL	.	.	.	NONE	.
353	MOPI9	BS	.	.	.	NONE	.
354	CFIS9	BS	830.67827	.	.	NONE	.
355	MOPNOC9	BS	11855.51382	.1000000E-04	.	NONE	.
356	TRAN9	BS	.	.	.	NONE	.
357	DESAL9	BS	.	.	.	NONE	.
358	DESPE10	RS	54171	.	.	NONE	.51340-
359	SOJA10	BS	30.00000	.	30.00000	NONE	.
360	MENTA10	UL	900.27085	.	.	NONE	1.45889
361	MOA10	RS	.	.	.	NONE	1.37373
362	TEF10	LL	.	.	.	NONE	.
363	CITRIC10	LL	365.00000	.	.	NONE	.
364	MOIPE10	RS	430.00000	.	.	NONE	.
365	MOVEPE10	BS	11557.00000	.	.	NONE	.40278
366	CFQ10	BS	.	.	.	NONE	.
367	PINO10	LL	.	.	.	NONE	.00111
368	MOPI10	BS	.	.	.	NONE	.
369	CFIS10	BS	1056.48638	.	.	NONE	.
370	MOPNOC10	BS	15978.18727	.1000000E-04	.	NONE	.17268
371	TPANA10	LL	.	.	.	NONE	.13478
372	DESAL11	LL	.	.	.	NONE	.
373	CFSPAL1	BS	54171	.	.	NONE	.51677-
374	SOJA11	RS	30.00000	.	30.00000	NONE	.
375	MENTA11	UL	900.27085	.	.	NONE	.92559
376	MOA11	BS	.	.	.	NONE	.
377	TEF11	LL	.	.	.	NONE	.
378	TEF11	LL	.	.	.	NONE	.

MPSX/370 VIM3 MPSCL EXECUTION

NUMBER	COLUMNS	AT	...ACTIVITY...	..INPUT COST..	...LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
379	CITRIC11	LL	320.00000	.	.	NONE	1.07452
380	MOIPEF11	BS	315.00000	.	.	NONE	.
381	MOVEPF11	BS	8531.00000	.	.	NONE	.16769
382	CF011	BS	.	.	.	NONE	.00153
383	PIN011	BS	.	.	.	NONE	.
384	MUPI11	BS	.	.	.	NONE	.
385	CFIS11	LL	.	.	.	NONE	.03550
386	MOPWQC11	BS	1682.27089	.	.	NONE	.52014
387	TRAN11	BS	12649.04396	.1000000E-04	.	NONE	.
388	DESA12	BS	.	.	10.00000	30.00000	.
389	SQJAI12	LL	.	.	.	NONE	.59715
390	MFNTA12	BS	25.47178	.	.	NONE	.78991
391	MGA12	BS	764.15351	.	.	NONE	.
392	TEF12	LL	.	.	.	NONE	.
393	CITRIC12	LL	.	.	.	NONE	.
394	MOIPEF12	BS	335.00000	.	.	NONE	.
395	MOVEPF12	BS	960.00000	.	.	NONE	.
396	CF012	BS	12037.00000	.	.	NONE	.
397	PIN012	BS	30.54171	.	.	NONE	.
398	MUPI12	BS	100.79763	.	.	NONE	.
399	CFIS12	BS	889.37451	.	.	NONE	.
400	MOPWQC12	BS	2192.27089	.	.	NONE	.
401	TRAN20	BS	2227.75884	.	.	NONE	.
402	MOIPEF20	BS	2735.03414	.	.	NONE	.
403	MOVEPF20	BS	157.48193	.	.	NONE	.
404	MUPI20	BS	2764.77502	.	.	NONE	.
405	CFIS25	BS	2934.04097	.	.	NONE	.
406	MOVEPF25	BS	262.74124	.	.	NONE	.
407	MOP125	BS	.	.	.	NONE	.

EMPRESA - C: FAMILIAR GRANDE

HIPOTESIS IV - b

MPSCL EXECUTION

MPSX/370 V1M3

SECTION 2 - COLUMNS

NUMBER	COLUMNS	AT	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT..	..UPPER LIMIT..	..REDUCED COST..
228	COTIERRA	BS	339.81110	1.00000	.	NONE	.
229	DESAL	BS	55.53122	.	.	NONE	.
230	DESPE1	BS	.	.	25.00000	NONE	1.01569-
231	SOJAL	UL	25.53122	.	10.00000	30.00000	.
232	MENTAL	UL	30.00000	.	.	NONE	.02313
233	MOAL	BS	912.76561	.	.	NONE	.04080
234	TE1	BS	.	.	.	NONE	.14746
235	MOIPE1	LL	.	.	.	NONE	.01878
236	MOVEPE1	LL	.	.	.	NONE	.
237	CF01	BS	4720.15330	.	.	NONE	.
238	PIND1	LL	.	.	.	NONE	.
239	MOP11	LL	.	.	.	NONE	.
240	CF1S1	BS	.	.	.	NONE	.
241	TRAN1	BS	772.56348	.1000000E-04	.	NONE	.05859
242	DESPE2	LL	.	.	.	NONE	.05982
243	SOJAL2	BS	25.53122	.	25.00000	NONE	1.87194-
244	MENTA2	UL	30.00000	.	10.00000	30.00000	.
245	MOA2	BS	912.76561	.	.	NONE	.
246	TE2	BS	.	.	.	NONE	.
247	MOIPE2	LL	.	.	.	NONE	.
248	MOVEPE2	LL	.	.	.	NONE	.00633
249	CF02	BS	.	.	.	NONE	.
250	PIND2	LL	.	.	.	NONE	.00356
251	MOP12	BS	.	.	.	NONE	.
252	CF1S2	BS	8005.11216	.1000000E-04	.	NONE	1.14466
253	DESPE3	LL	.	.	.	NONE	.65564
254	SOJAL3	UL	25.00000	.	25.00000	NONE	.38300
255	MENTA3	UL	30.00000	.	10.00000	NONE	1.45231-
256	MOA3	BS	912.50000	.	.	30.00000	2.65628
257	TEA3	BS	.	.	.	NONE	2.98883
258	CITRICO3	LL	.	.	.	NONE	.
259	MOIPE3	LL	.	.	.	NONE	.00306
260	MOVEPE3	LL	.	.	.	NONE	.00024
261	CF03	BS	.	.	.	NONE	.
262	PIND3	LL	3.20009	.	.	NONE	.
263	MOP13	BS	10.56030	.	.	NONE	.
264	CF1S3	BS	81.57035	.	.	NONE	.
265	TRAN3	BS	13758.82834	.1000000E-04	.	NONE	2.11763
266	DESPE4	LL	.	.	.	NONE	1.63507
267	SOJAL4	UL	25.00000	.	25.00000	NONE	1.79849
268	MENTA4	UL	25.46878	.	10.00000	NONE	.
269	MOA4	BS	896.56354	.	.	30.00000	.36318
270	TEA4	BS	.	.	.	NONE	.65684
271	CITRICO4	LL	.	.	.	NONE	.04086
272	MOIPE4	LL	.	.	.	NONE	.
273	MOVEPE4	LL	.	.	.	NONE	.
274	CF04	BS	.	.	.	NONE	.
275	PIND4	LL	.	.	.	NONE	.
276	MOP14	BS	.	.	.	NONE	.

MPSX/370		MPSCL EXECUTION		..INPUT COST..		..LOWER LIMIT..		..UPPER LIMIT..		..REDUCED COST..	
NUMBER	.COLUMNS	AT	..ACTIVITY...								
277	MOVEPE4	BS	.	.	.	.	.	NONE	.	.17838	.
278	CF04	BS	.	.	.	.	.	NONE	.	.	.
279	PINO4	LL	.	.	.	.	.	NONE	.	.	.
280	MOP14	RS	16.00046	.	.	.	.	NONE	.	.	.
281	CF1S4	BS	114.56330	.	.	.	.	NONE	.	.	.
282	TRAN4	RS	18620.51811	.	.	.	.	NONE	.	.	.
283	DESJ5	RS	56.59365	.	.	.	.	NONE	.	4.03060	.
284	DESJ5	LL	.	.	.	.	.	NONE	.	.	.
285	SOJA5	BS	26.59265	.	.	.	.	NONE	.	1.76150-	.
286	MENTA5	UL	30.00000	.	.	.	.	30.00000	.	.	.
287	MOA5	BS	912.29682	.	.	.	.	NONE	.	.	.
288	TEB5	RS	44.05393	.	.	.	.	30.00000	.	.	.
289	CITRIC05	RS	5.88364	.	.	.	.	NONE	.	.	.
290	MOIPE5	BS	2603.61511	.	.	.	.	NONE	.	.	.
291	MOVEPE5	BS	470.19020	.	.	.	.	NONE	.	.	.
292	CF05	BS	38217.14624	.	.	.	.	NONE	.	.14473	.
293	PINO5	LL	.	.	.	.	.	NONE	.	.	.
294	MOP15	BS	19.20055	.	.	.	.	NONE	.	.	.
295	CF1S5	BS	135.68391	.	.	.	.	NONE	.	.	.
296	MOPNOC5	BS	.	.	.	.	.	NONE	.	.	.
297	TRAN5	BS	12870.74537	.	.	.	.	NONE	.	.52728	.
298	DESJ6	LL	.	.	.	.	.	NONE	.	.14209	.
299	DESJ6	BS	26.06243	.	.	.	.	NONE	.	.	.
300	SOJA6	BS	30.00000	.	.	.	.	30.00000	.	1.73800-	.
301	MENTA6	UL	913.03122	.	.	.	.	NONE	.	3.76274	.
302	MOA6	RS	.	.	.	.	.	NONE	.	3.49088	.
303	TEB6	LL	.	.	.	.	.	NONE	.	.	.
304	CITRIC06	LL	514.24412	.	.	.	.	NONE	.	.	.
305	MOIPE6	BS	499.84112	.	.	.	.	NONE	.	.	.
306	MOVEPE6	BS	11226.67570	.	.	.	.	NONE	.	.	.
307	CF06	BS	.	.	.	.	.	NONE	.	.40972	.
308	PINO6	LL	19.20055	.	.	.	.	NONE	.	.	.
309	MOP16	RS	139.52402	.	.	.	.	NONE	.	.	.
310	CF1S6	BS	.	.	.	.	.	NONE	.	.	.
311	MOPNOC6	BS	13225.51648	.	.	.	.	NONE	.	1.05525	.
312	TRAN6	BS	.	.	.	.	.	NONE	.	.74056	.
313	DESJ7	LL	.	.	.	.	.	NONE	.	.	.
314	DESJ7	LL	25.53122	.	.	.	.	NONE	.	1.70068-	.
315	SOJA7	BS	30.00000	.	.	.	.	30.00000	.	2.83181	.
316	MENTA7	UL	912.76561	.	.	.	.	NONE	.	2.34323	.
317	MOA7	RS	.	.	.	.	.	NONE	.	.	.
318	TEB7	LL	.	.	.	.	.	NONE	.	.	.
319	CITRIC07	LL	499.41866	.	.	.	.	NONE	.	.11730	.
320	MOIPE7	BS	318.68359	.	.	.	.	NONE	.	.	.
321	MOVEPE7	BS	7965.70460	.	.	.	.	NONE	.	.	.
322	CF07	BS	.	.	.	.	.	NONE	.	.	.
323	PINO7	LL	.	.	.	.	.	NONE	.	.	.
324	MOP17	BS	20.16058	.	.	.	.	NONE	.	.	.
325	CF1S7	BS	146.14821	.	.	.	.	NONE	.	.	.
326	MOPNOC7	BS	.	.	.	.	.	NONE	.	.	.
327	TRAN7	BS	7427.16444	.	.	.	.	NONE	.	.	.

MP5X/370 VIM3	NUMBER	COLUMNS	AT	MP5CL EXECUTION	...ACTIVITY...	..INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
328	DESAR	LL	LL	.	.	.	25.00000	NONE	1.58365
329	DESPEB	LL	LL	25.00000	.	.	10.00000	NONE	1.33963
330	SOJAB	UL	UL	30.00000	.	.	10.00000	NONE	.53443
331	MENTAB	BS	BS	912.50000	.	.	30.00000	NONE	1.11504-
332	MOA8	LL	LL	.	.	.	.	NONE	1.87318
333	TEC8	LL	LL	.	.	.	.	NONE	1.54713
334	CITRIC08	LL	LL	504.36048	.	.	.	NONE	.
335	MOIPE8	BS	BS	1175.89795	.	.	.	NONE	.12338
336	MOVEPE8	BS	BS	14074.62844	.	.	.	NONE	.
337	CF08	LL	LL	20.16058	.	.	.	NONE	.
338	PINO8	BS	BS	150.16033	.	.	.	NONE	.
339	MOPI8	BS	BS	1967.31336	.	.	.	NONE	.
340	CFIS8	BS	BS	186.89610	.1000000E-04	.	.	NONE	2.47349
341	MOPNOC8	BS	BS	156.89610	.	.	25.00000	NONE	1.61178-
342	TRAN8	BS	BS	30.00000	.	.	10.00000	NONE	.
343	DESPE9	LL	LL	978.44805	.	.	.	NONE	.
344	SOJAB	UL	UL	25.00000	.	.	.	NONE	.15716-
345	MENTAB	BS	BS	30.00000	.	.	.	NONE	.
346	MOA9	BS	BS	1840.00000	.	.	.	NONE	.
347	TEC9	LL	LL	340.00000	.	.	.	NONE	.
348	CITRIC09	UL	UL	46015.16873	.	.	.	NONE	.
349	MOIPE9	BS	BS	.	.	.	.	NONE	.
350	MOVEPE9	BS	BS	.	.	.	.	NONE	.
351	CF09	BS	BS	.	.	.	.	NONE	.
352	PINO9	BS	BS	.	.	.	.	NONE	.
353	MOPI9	BS	BS	.	.	.	.	NONE	.00475
354	CFIS9	LL	LL	1219.38515	.1000000E-04	.	.	NONE	.00185
355	MOPNOC9	LL	LL	.	.	.	.	NONE	.
356	TRAN9	BS	BS	.	.	.	.	NONE	.
357	DESAL0	BS	BS	.	.	.	.	NONE	.95013-
358	DESPE10	BS	BS	156.89610	.	.	25.00000	NONE	1.15101
359	SOJAB0	BS	BS	30.00000	.	.	10.00000	NONE	1.23683
360	MENTAB0	UL	UL	978.44805	.	.	.	NONE	.
361	MOA10	BS	BS	.	.	.	.	NONE	.
362	TEC10	LL	LL	.	.	.	.	NONE	.
363	CITRIC10	LL	LL	365.00000	.	.	.	NONE	.
364	MOIPE10	BS	BS	430.00000	.	.	.	NONE	.20649
365	MOVEPE10	BS	BS	11557.00000	.	.	.	NONE	.00282
366	CFD10	BS	BS	.	.	.	.	NONE	.
367	PINO10	LL	LL	.	.	.	.	NONE	.06990
368	MOPI10	BS	BS	.	.	.	.	NONE	.
369	CFIS10	LL	LL	1283.45050	.1000000E-04	.	.	NONE	.
370	MOPNOC10	BS	BS	12831.94150	.	.	.	NONE	.95350-
371	TRAN10	BS	BS	.	.	.	.	NONE	1.09514
372	DESAL1	LL	LL	156.89610	.	.	25.00000	NONE	.
373	DESPE11	BS	BS	30.00000	.	.	10.00000	NONE	.
374	SOJAB11	UL	UL	978.44805	.	.	.	NONE	.
375	MENTAB11	BS	BS	.	.	.	.	NONE	.
376	MOA11	BS	BS	.	.	.	.	NONE	.
377	TEC11	LL	LL	.	.	.	.	NONE	.
378				.	.	.	.	NONE	.

MPSX/370 V1M3 MPSCL EXECUTION

NUMPER	COLUMNS	AT	ACTIVITY...	INPUT COST..	..LOWER LIMIT.	..UPPER LIMIT.	..REDUCED COST.
379	CITRIC11	LS	320.00000	..	..	NONE	.94835
380	MOIPE11	BS	315.00000	..	..	NONE	..
381	MOVEPE11	RS	8531.00000	..	..	NONE	..
382	CFOL11	LS	..	..	..	NONE	.06911
383	PINO11	BS	..	..	..	NONE	..
384	MOP111	LS	..	..	..	NONE	.00211
385	CFIS11	BS	..	..	..	NONE	..
386	MOPNOC11	BS	1488.12691	..	..	NONE	..
387	TRAN11	LS	19015.90408	.1000000E+04	..	NONE	..
388	DESPFI12	LS	..	..	..	NONE	..
389	SOJAI12	RS	121.33740	..	..	NONE	.45792
390	MENTAI12	BS	30.00000	..	25.00000	NONE	.35515
391	MOAI12	LS	960.65870	..	10.00000	NONE	..
392	TEFI12	BS	5.43639	..	..	NONE	.95687-
393	CITRIC12	LS	650.31070	..	..	NONE	..
394	MOIPE12	BS	1014.36391	..	..	NONE	..
395	MOVEPE12	BS	16749.28402	..	..	NONE	..
396	CFN12	BS	181.45971	..	..	NONE	..
397	PINO12	BS	598.81705	..	..	NONE	..
398	MOP112	BS	5284.10680	..	..	NONE	..
399	CFIS12	BS	1660.94897	..	..	NONE	..
400	MOPNOC12	BS	1704.56525	..	..	NONE	..
401	MOP120	BS	2726.19928	..	..	NONE	..
402	MOP120	BS	2680.38972	..	..	NONE	..
403	MOP120	BS	2533.21237	..	..	NONE	..
404	MOP120	BS	3002.41499	..	..	NONE	..
405	MOP125	BS	850.07512	..	..	NONE	..
406	MOP125	BS	..	..	..	NONE	..
407	MOP125	BS	..	..	..	NONE	..

UNIDADES DEL SUELO	DISTRIBUCION DE LOS SUELOS SEGUN RANGOS DEPENDIENTES						AREA TOTAL
	RANGO I	RANGO II			RANGO III		
		0 a 5 %	5 a 10 %	10 a 15 %		5 a 15 %	
9							
	1773.-	-	-	10.260.-	158.-	12191.-	
6 As	-	-	-				
	-	-	-	813.-	384.-	1197.-	
6 B	-	-	-				
	-	-	-	268.-	301.-	569.-	
3	-	-	-		-		
(Valor despreciable)	-	-	-	68.-	-	68.-	
T O T A L E S	1773.-	-	-	11409.-	843.-	14025.-	

FUENTE: Elaboración del CFI

UNIDADES DE SUELOS	DISTRIBUCION DE LOS SUELOS SEGUN RANGOS DE PENDIENTES					AREA TOTAL
	RANGO I	RANGO II			RANGO III	
	0 - 5 %	5 a 10 %	10 a 15 %	5 a 15 %	15 %	
9	1171.-	-	-	8078.-	572.-	9821.-
6 Ap	43.-	3024.-	1068.-	-	339.-	4474.-
3 (Valor despreciable)	173.-			48.-	58.-	279.-
TOTALES p/pendiente	1387.-	3024.-	1068.-	8126.-	969.-	14574.-

FUENTE: Elaboración del CFI