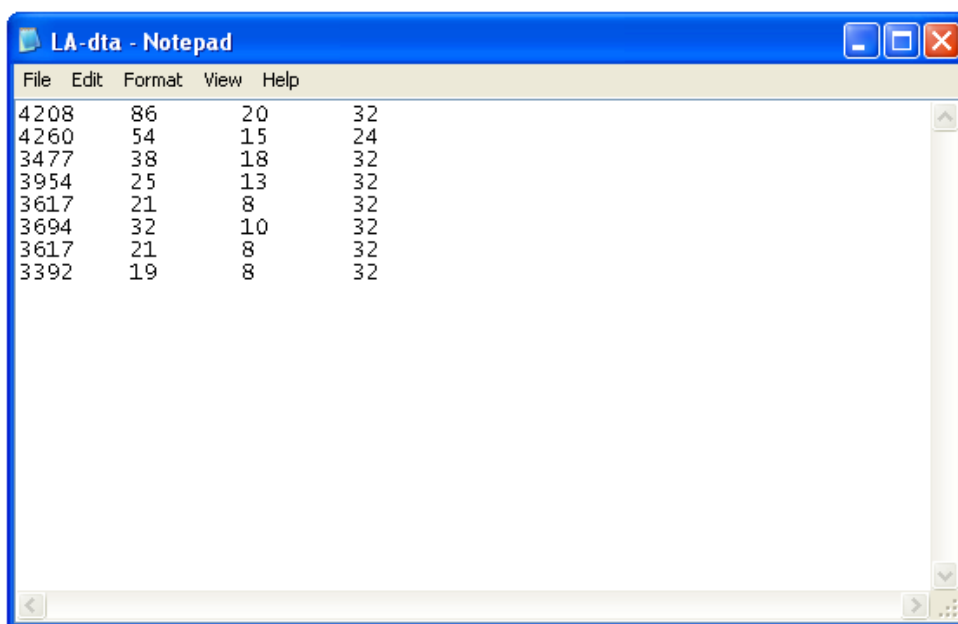


ภาคผนวก จ

การใช้โปรแกรม DEAP 2.1

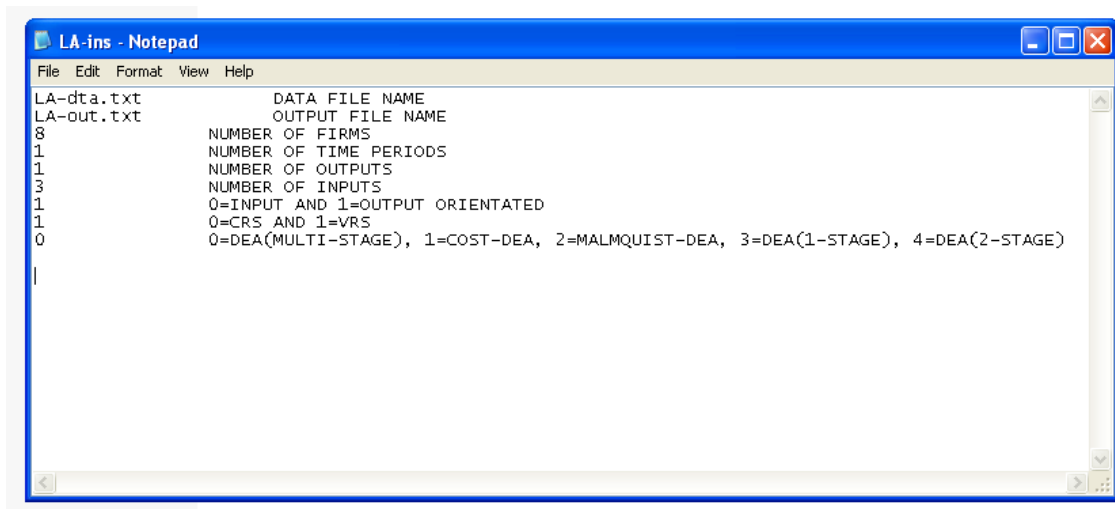


The screenshot shows a Notepad window with the title 'LA-dta - Notepad'. The window contains a table with 4 columns and 8 rows of data. The columns are separated by spaces. The data is as follows:

File	Edit	Format	View	Help
4208	86	20	32	
4260	54	15	24	
3477	38	18	32	
3954	25	13	32	
3617	21	8	32	
3694	32	10	32	
3617	21	8	32	
3392	19	8	32	

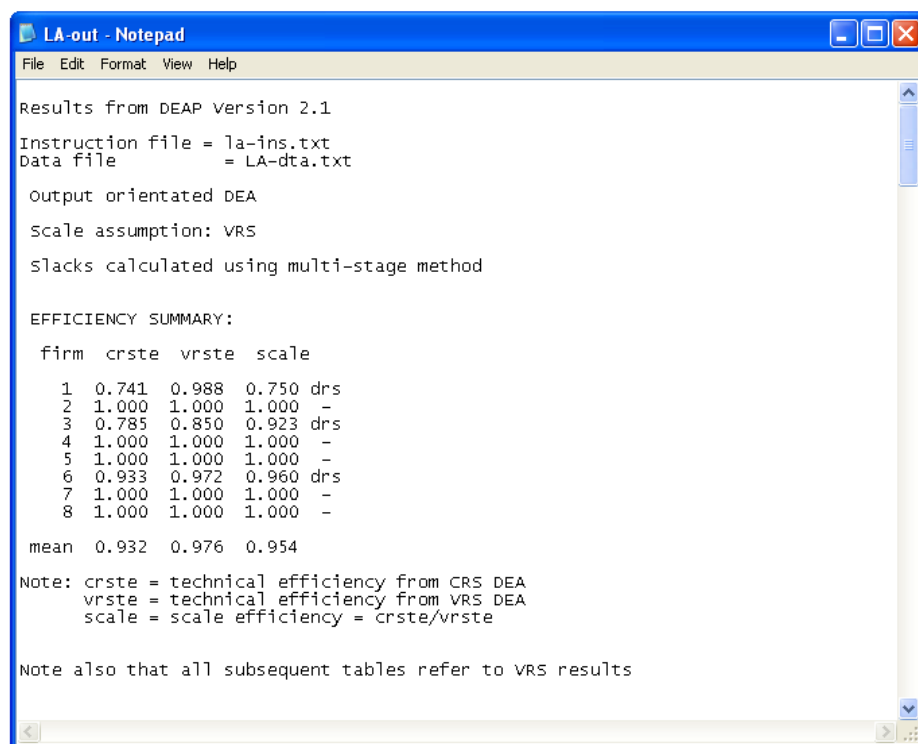
ภาพที่ จ-1

การป้อนข้อมูล โปรแกรม DEAP 2.1



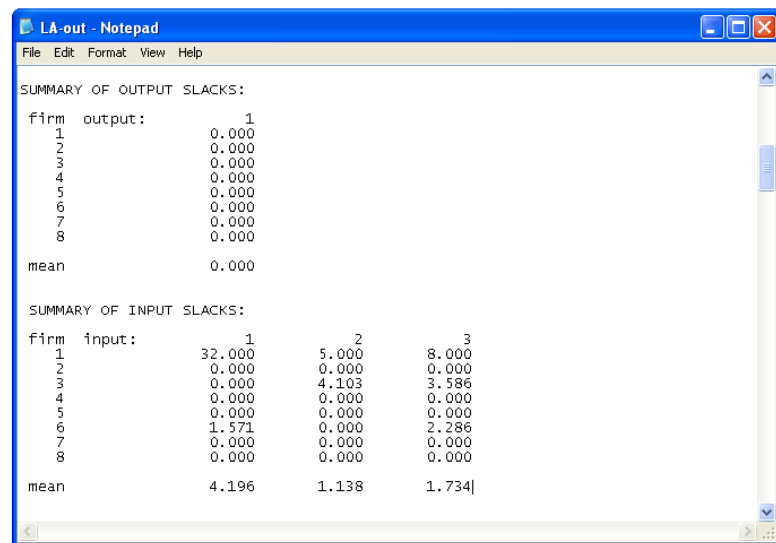
ภาพที่ จ-2

การใช้คำสั่งสำหรับโปรแกรม DEAP 2.1



ภาพที่ จ-3

ผลจากโปรแกรม DEAP 2.1



LA-out - Notepad

File Edit Format View Help

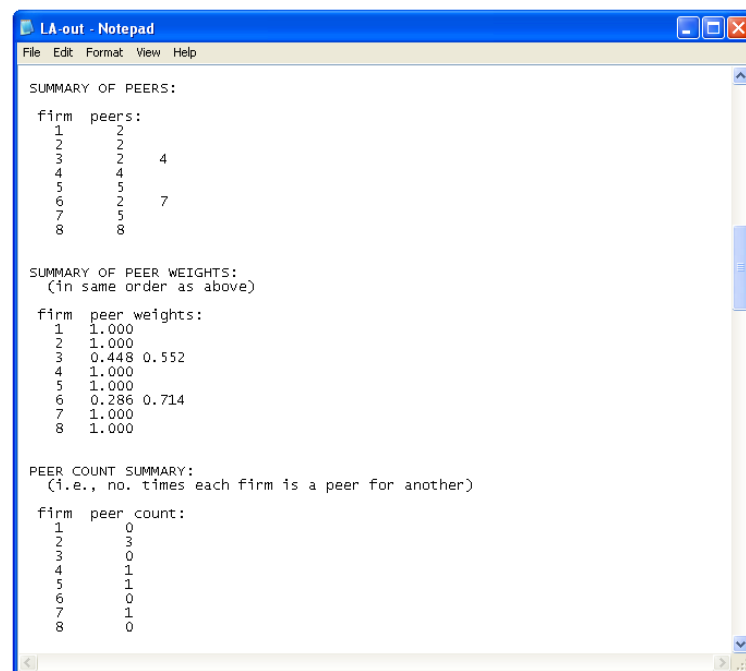
SUMMARY OF OUTPUT SLACKS:

firm	output:	1
1		0.000
2		0.000
3		0.000
4		0.000
5		0.000
6		0.000
7		0.000
8		0.000
mean		0.000

SUMMARY OF INPUT SLACKS:

firm	input:	1	2	3
1		32.000	5.000	8.000
2		0.000	0.000	0.000
3		0.000	4.103	3.586
4		0.000	0.000	0.000
5		0.000	0.000	0.000
6		1.571	0.000	2.286
7		0.000	0.000	0.000
8		0.000	0.000	0.000
mean		4.196	1.138	1.734

ภาพที่ จ-4
ผลจากโปรแกรม DEAP 2.1



LA-out - Notepad

File Edit Format View Help

SUMMARY OF PEERS:

firm	peers:
1	2
2	2
3	2 4
4	4
5	5
6	2 7
7	5
8	8

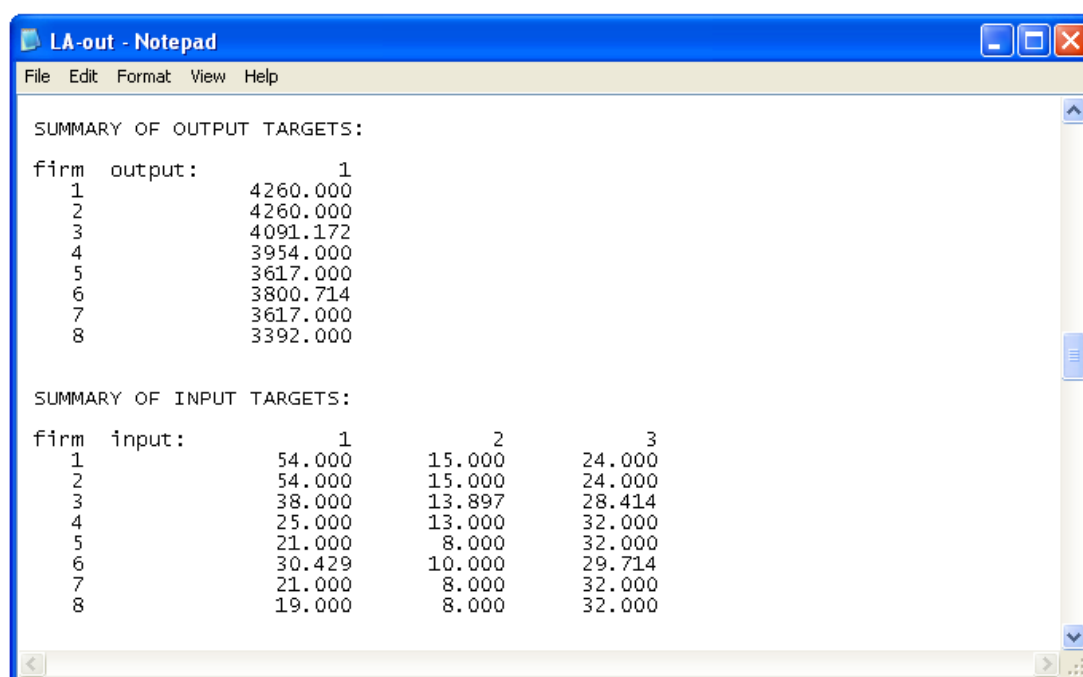
SUMMARY OF PEER WEIGHTS:
(in same order as above)

firm	peer weights:
1	1.000
2	1.000
3	0.448 0.552
4	1.000
5	1.000
6	0.286 0.714
7	1.000
8	1.000

PEER COUNT SUMMARY:
(i.e., no. times each firm is a peer for another)

firm	peer count:
1	0
2	3
3	0
4	1
5	1
6	0
7	1
8	0

ภาพที่ จ-5
ผลจากโปรแกรม DEAP 2.1



LA-out - Notepad

File Edit Format View Help

SUMMARY OF OUTPUT TARGETS:

firm	output:	1
1	4260.000	
2	4260.000	
3	4091.172	
4	3954.000	
5	3617.000	
6	3800.714	
7	3617.000	
8	3392.000	

SUMMARY OF INPUT TARGETS:

firm	input:	1	2	3
1	54.000	15.000	24.000	
2	54.000	15.000	24.000	
3	38.000	13.897	28.414	
4	25.000	13.000	32.000	
5	21.000	8.000	32.000	
6	30.429	10.000	29.714	
7	21.000	8.000	32.000	
8	19.000	8.000	32.000	

ภาพที่ จ-6
ผลจากโปรแกรม DEAP 2.1

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LA-out - Notepad
File Edit Format View Help

FIRM BY FIRM RESULTS:

Results for firm:      1
Technical efficiency = 0.988
Scale efficiency      = 0.750 (drs)
PROJECTION SUMMARY:
  variable            original      radial      slack      projected
                        value         movement movement      value
output      1         4208.000        52.000      0.000      4260.000
input       1          86.000         0.000     -32.000      54.000
input       2          20.000         0.000     -5.000      15.000
input       3          32.000         0.000     -8.000      24.000
LISTING OF PEERS:
peer        lambda weight
2           1.000

Results for firm:      2
Technical efficiency = 1.000
Scale efficiency      = 1.000 (crs)
PROJECTION SUMMARY:
  variable            original      radial      slack      projected
                        value         movement movement      value
output      1         4260.000         0.000      0.000      4260.000
input       1          54.000         0.000      0.000      54.000
input       2          15.000         0.000      0.000      15.000
input       3          24.000         0.000      0.000      24.000
LISTING OF PEERS:
peer        lambda weight
2           1.000

Results for firm:      3
Technical efficiency = 0.850
Scale efficiency      = 0.923 (drs)
PROJECTION SUMMARY:
  variable            original      radial      slack      projected
                        value         movement movement      value
output      1         3477.000        614.172      0.000      4091.172
input       1          38.000         0.000      0.000      38.000
input       2          18.000         0.000     -4.103      13.897
input       3          32.000         0.000     -3.586      28.414
LISTING OF PEERS:
peer        lambda weight
2           0.448
4           0.552

Results for firm:      4
Technical efficiency = 1.000
Scale efficiency      = 1.000 (crs)
PROJECTION SUMMARY:
  variable            original      radial      slack      projected
                        value         movement movement      value
output      1         3954.000         0.000      0.000      3954.000
input       1          25.000         0.000      0.000      25.000
input       2          13.000         0.000      0.000      13.000
input       3          32.000         0.000      0.000      32.000
LISTING OF PEERS:
peer        lambda weight
4           1.000

```

ภาพที่ จ-7

ผลจากโปรแกรม DEAP

LA-out - Notepad					
File Edit Format View Help					
Results for firm: 5					
Technical efficiency = 1.000					
Scale efficiency = 1.000 (crs)					
PROJECTION SUMMARY:					
variable		original	radial	slack	projected
		value	movement	movement	value
output 1		3617.000	0.000	0.000	3617.000
input 1		21.000	0.000	0.000	21.000
input 2		8.000	0.000	0.000	8.000
input 3		32.000	0.000	0.000	32.000
LISTING OF PEERS:					
peer	lambda weight				
5	1.000				
Results for firm: 6					
Technical efficiency = 0.972					
Scale efficiency = 0.960 (drs)					
PROJECTION SUMMARY:					
variable		original	radial	slack	projected
		value	movement	movement	value
output 1		3694.000	106.714	0.000	3800.714
input 1		32.000	0.000	-1.571	30.429
input 2		10.000	0.000	0.000	10.000
input 3		32.000	0.000	-2.286	29.714
LISTING OF PEERS:					
peer	lambda weight				
2	0.286				
7	0.714				
Results for firm: 7					
Technical efficiency = 1.000					
Scale efficiency = 1.000 (crs)					
PROJECTION SUMMARY:					
variable		original	radial	slack	projected
		value	movement	movement	value
output 1		3617.000	0.000	0.000	3617.000
input 1		21.000	0.000	0.000	21.000
input 2		8.000	0.000	0.000	8.000
input 3		32.000	0.000	0.000	32.000
LISTING OF PEERS:					
peer	lambda weight				
5	1.000				
Results for firm: 8					
Technical efficiency = 1.000					
Scale efficiency = 1.000 (crs)					
PROJECTION SUMMARY:					
variable		original	radial	slack	projected
		value	movement	movement	value
output 1		3392.000	0.000	0.000	3392.000
input 1		19.000	0.000	0.000	19.000
input 2		8.000	0.000	0.000	8.000
input 3		32.000	0.000	0.000	32.000
LISTING OF PEERS:					
peer	lambda weight				
8	1.000				

ภาพที่ จ-8
ผลจากโปรแกรม DEAP