元になる不等式

$$Max\ 480x_1 + 330x_2$$

$$105x_1 + 30x_2 \le 7900$$

$$30x_1 + 15x_2 \le 2800$$

$$12x_1 + 10x_2 \le 1400$$

$$0.1x_1 + 3x_2 \le 180$$

$$x_1, x_2 \ge 0$$

実行前



Linear Programming TPL-v2 ☆ 🖭 🗆

ファイル 編集 表示 挿入 表示形式 データ ツール 拡張機能

► ~ ☆ ? 100% ▼ ¥ % .0 123▼ デフォルト ▼ 10												
T18 ▼ <i>f</i> X												
	А	В	С	D	Е	F	G	Н	I	J	K	
1		f	-480	-330								
2	基底 b											
3	7900		105	30								
4	2800		30	15								
5	1400		12	10								
6	180		0.1	3								
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												

実行後



ファイル 編集 表示 挿入 表示形式 データ ツール 拡張機能

1	34		→ f	K								
基底 b X1 X2 X3 X4 X5 X6 基底 b 3 7900 X3 105 30 1 0 0 0 7900 75.238 4 2800 X4 30 15 0 1 0 0 2800 93.333 5 1400 X5 12 10 0 0 1 0 1400 116.66 6 180 X6 0.1 3 0 0 0 1 180 1800 7 f -480 -330 0 0 0 0 0 8 X1 X2 X3 X4 X5 X6 基底b 9 X1 1 0.2857 0.0095 0 0 0 75.238 263.33 10 X4 0 6.4288 -0.285 1 0 0 75.238 84.444 11 X5 0 6.5714 -0.114 0 1 0 497.14 75.652 12 X6 0 2.9714 -0.000 0 <th></th> <th>А</th> <th>В</th> <th>С</th> <th>D</th> <th>Е</th> <th>F</th> <th>G</th> <th>Н</th> <th>1</th> <th>J</th> <th>K</th>		А	В	С	D	Е	F	G	Н	1	J	K
7900 X3 105 30 1 0 0 0 7900 75.238 4 2800 X4 30 15 0 1 0 0 2800 93.333 5 1400 X5 12 10 0 0 1 0 1400 116.66 6 180 X6 0.1 3 0 0 0 0 1 180 1800 7	1		f	-480	-330							
4 2800 X4 30 15 0 1 0 0 2800 93.333 5 1400 X5 12 10 0 0 1 0 1400 116.66 6 180 X6 0.1 3 0 0 0 1 1800 7 f -480 -330 0 0 0 0 0 0 8 X1 X2 X3 X4 X5 X6 基底 b 9 X1 1 0.2857 0.009€ 0 0 75.23€ 263.33 10 X4 0 6.428€ -0.285 1 0 0 75.23€ 263.33 10 X4 0 6.428€ -0.285 1 0 0 75.23€ 263.33 12 X6 0 2.9714 -0.000 0 0 177.47 75.652 12 X6 0 2.9714 -0.000 0 0 36114 14 13 f	2	基底 b		X1	X2	X3	X4	X5	X6	基底 b		
5 1400 X5 12 10 0 0 1 0 1400 116.66 6 180 X6 0.1 3 0 0 0 1 1800 1800 7 f -480 -330 0 0 0 0 0 0 8 X1 X2 X3 X4 X5 X6 基底 b 9 X1 1 0.2857 0.009€ 0 0 0 75.23€ 263.33 10 X4 0 6.428€ -0.285 1 0 0 542.85 84.444 11 X5 0 6.5714 -0.114 0 1 0 497.14 75.652 12 X6 0 2.9714 -0.000 0 0 1 172.47 58.044 13 f 0 -192.8 4.5714 0 0 0 36114 14 X1 X2 X3 X4 X5 X6 基底 b 15 X4 <td>3</td> <td>7900</td> <td>X3</td> <td>105</td> <td>30</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>7900</td> <td>75.238</td> <td></td>	3	7900	X3	105	30	1	0	0	0	7900	75.238	
6 180 X6 0.1 3 0 0 0 1 180 1800 7	4	2800	X4	30	15	0	1	0	0	2800	93.333	
	5	1400	X5	12	10	0	0	1	0	1400	116.66	
8 X1 X2 X3 X4 X5 X6 基底 b 9 X1 1 0.2857 0.0095 0 0 0 75.236 263.33 10 X4 0 6.4285 -0.285 1 0 0 542.86 84.444 11 X5 0 6.5714 -0.114 0 1 0 497.14 75.652 12 X6 0 2.9714 -0.000 0 0 1 172.47 58.044 13 f 0 -192.8 4.5714 0 0 0 36114 14 X1 X2 X3 X4 X5 X6 基底 b 15 X1 1 0 0.0096 0 -0.096 58.653 16 X4 0 0 -0.283 1 0 -2.163 169.71 17 X5 0 0 -0.112 0 1 -2.211 115.70 18 X2 0 1 -0.000 0 0 64.903 47308 20 1 -0.000 0 0 64.903 47308	6	180	X6	0.1	3	0	0	0	1	180	1800	
9 X1 1 0.2857 0.0095 0 0 75.238 263.33 10 X4 0 6.4285 -0.285 1 0 0 542.85 84.444 11 X5 0 6.5714 -0.114 0 1 0 497.14 75.652 12 X6 0 2.9714 -0.000 0 0 1 172.47 58.044 13 f 0 -192.8 4.5714 0 0 0 36114 14 X1 X2 X3 X4 X5 X6 基底 b 15 X1 1 0 0.0096 0 0 -0.096 58.653 16 X4 0 0 -0.283 1 0 -2.163 169.71 17 X5 0 0 -0.112 0 1 -2.211 115.70 18 X2 0 1 -0.000 0 0 0.3365 58.044 19 f 0 0 4.5096 0 0 64.903 47308	7		f	- 480	-330	0	0	0	0	0		
10	8			X1	X2	X3	X4	X5	X6	基底 b		
11 X5 0 6.5714 -0.114 0 1 0 497.14 75.652 12 X6 0 2.9714 -0.000 0 0 1 172.47 58.044 13 f 0 -192.8 4.5714 0 0 0 36114 14 X1 X2 X3 X4 X5 X6 基底 b 15 X1 1 0 0.009€ 0 0 -0.096 58.653 16 X4 0 0 -0.283 1 0 -2.163 169.71 17 X5 0 0 -0.112 0 1 -2.211 115.70 18 X2 0 1 -0.000 0 0 0.3365 58.044 19 f 0 0 4.509€ 0 0 64.903 47308	9		X1	1	0.2857	0.0095	0	0	0	75.238	263.33	
12 X6 0 2.9714 -0.000 0 0 1 172.47 58.044 13 f 0 -192.8 4.5714 0 0 0 36114 14 X1 X2 X3 X4 X5 X6 基底 b 15 X1 1 0 0.0096 0 0 -0.096 58.653 16 X4 0 0 -0.283 1 0 -2.163 169.71 17 X5 0 0 -0.112 0 1 -2.211 115.70 18 X2 0 1 -0.000 0 0 0.3365 58.044 19 f 0 0 4.5096 0 0 64.903 47308	10		X4	0	6.4285	-0.285	1	0	0	542.85	84.444	
13 f 0 -192.8 4.5714 0 0 0 36114 14 X1 X2 X3 X4 X5 X6 基底 b 15 X1 1 0 0.0096 0 0 -0.096 58.653 16 X4 0 0 -0.283 1 0 -2.163 169.71 17 X5 0 0 -0.112 0 1 -2.211 115.70 18 X2 0 1 -0.000 0 0.3365 58.044 19 f 0 0 4.5096 0 0 64.903 47308 20 0 0 0 0 0	11		X5	0	6.5714	-0.114	0	1	0	497.14	75.652	
14 X1 X2 X3 X4 X5 X6 基底 b 15 X1 1 0 0.0096 0 0 -0.096 58.653 16 X4 0 0 -0.283 1 0 -2.163 169.71 17 X5 0 0 -0.112 0 1 -2.211 115.70 18 X2 0 1 -0.000 0 0 0.3365 58.044 19 f 0 0 4.5096 0 0 64.903 47308 20	12		X6	0	2.9714	-0.000	0	0	1	172.47	58.044	
15 X1 1 0 0.0096 0 0 -0.096 58.653 16 X4 0 0 -0.283 1 0 -2.163 169.71 17 X5 0 0 -0.112 0 1 -2.211 115.70 18 X2 0 1 -0.000 0 0 0.3365 58.044 19 f 0 0 4.5096 0 0 64.903 47308	13		f	0	-192.8	4.5714	0	0	0	36114.		
16 X4 0 0 -0.283 1 0 -2.163 169.71 17 X5 0 0 -0.112 0 1 -2.211 115.70 18 X2 0 1 -0.000 0 0 0.3365 58.044 19 f 0 0 4.5096 0 0 64.903 47308	14			X1	X2	X3	X4	X5	X6	基底 b		
17 X5 0 0 -0.112 0 1 -2.211 115.70 18 X2 0 1 -0.000 0 0.3365 58.044 19 f 0 0 4.5096 0 0 64.903 47308 20	15		X1	1	0	0.0096	0	0	-0.096	58.653		
18 X2 0 1 -0.000 0 0 0.3365 58.044	16		X4	0	0	-0.283	1	0	-2.163	169.71		
19 f 0 0 4.5096 0 0 64.903 47308 20	17		X5	0	0	-0.112	0	1	-2.211	115.70		
20	18		X2	0	1	-0.000	0	0	0.3365	58.044		
	19		f	0	0	4.5096	0	0	64.903	47308		
21	20											
	21											