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LINEAR PROGRAM -- ORIGINAL DATA

Title: Q1

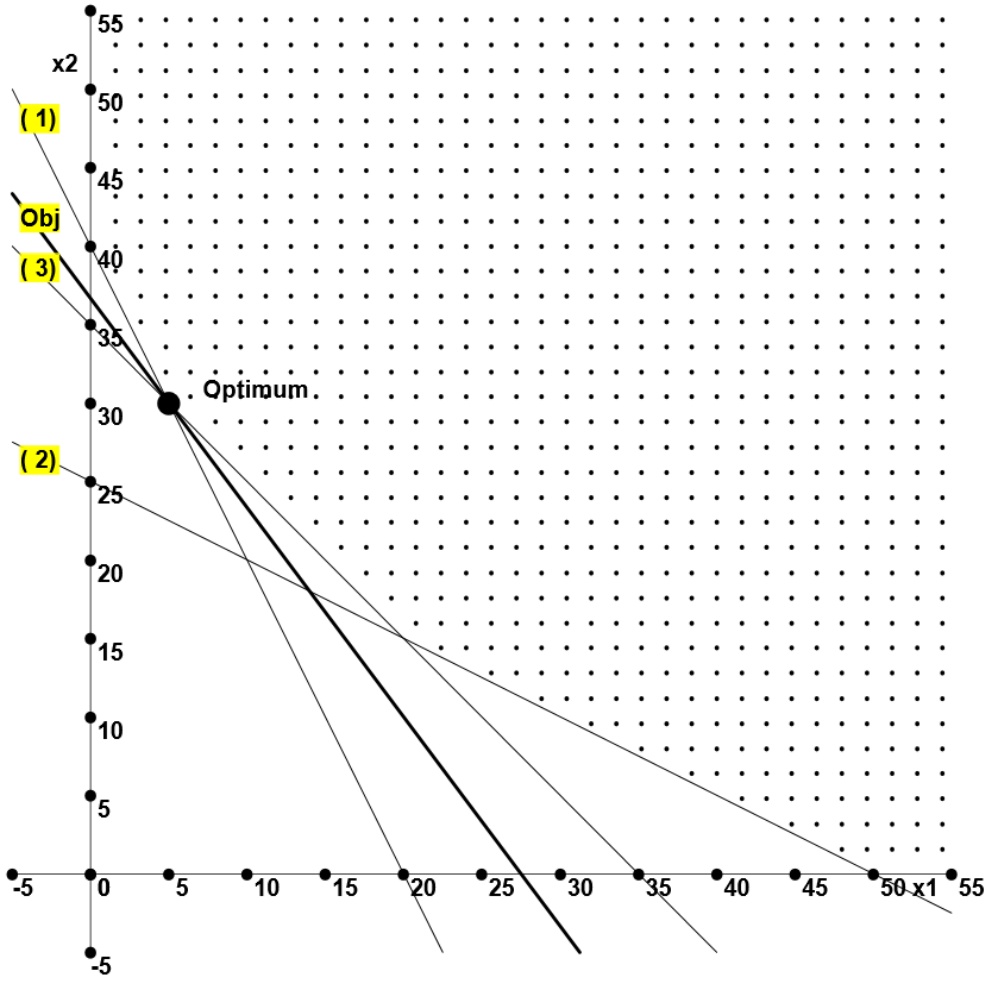
	A	B		
	x1	x2		
Minimize	4.00	3.00		
Subject to				
(1)	200.00	100.00	>=	4000.00
(2)	1.00	2.00	>=	50.00
(3)	40.00	40.00	>=	1400.00
Lower Bound	0.00	0.00		
Upper Bound	infinity	infinity		
Unrestr'd (y/n)?	n	n		

LINEAR PROGRAMMING -- GRAPHICAL SOLUTION

Title: Q1

Summary of Optimal Solution:

Objective Value = 110.00
x1 = 5.00
x2 = 30.00



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LINEAR PROGRAM -- ORIGINAL DATA

Title: Q2

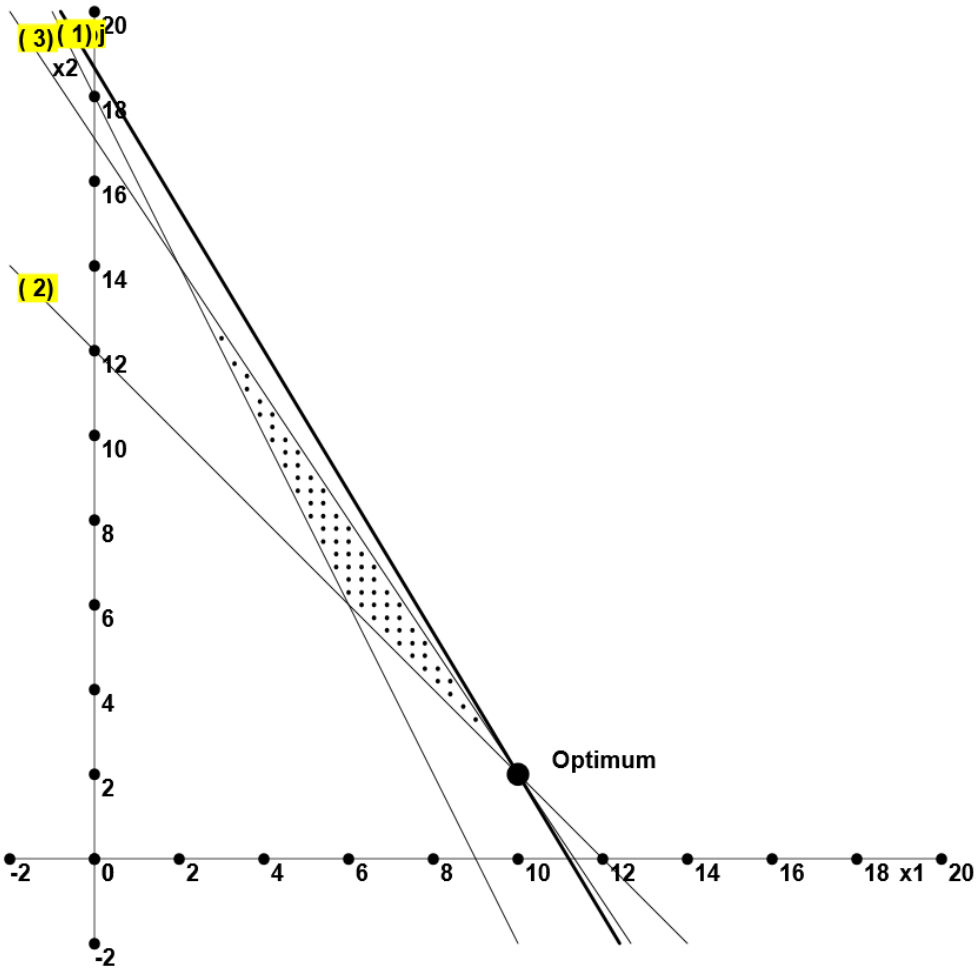
	X	Y		
	x1	x2		
Maximize	50.00	30.00		
Subject to				
(1)	2.00	1.00	>=	18.00
(2)	1.00	1.00	>=	12.00
(3)	3.00	2.00	<=	34.00
Lower Bound	0.00	0.00		
Upper Bound	infinity	infinity		
Unrestr'd (y/n)?	n	n		

LINEAR PROGRAMMING -- GRAPHICAL SOLUTION

Title: Q2

Summary of Optimal Solution:

Objective Value = 560.00
x1 = 10.00
x2 = 2.00



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LINEAR PROGRAM -- ORIGINAL DATA

Title: Q3(i)

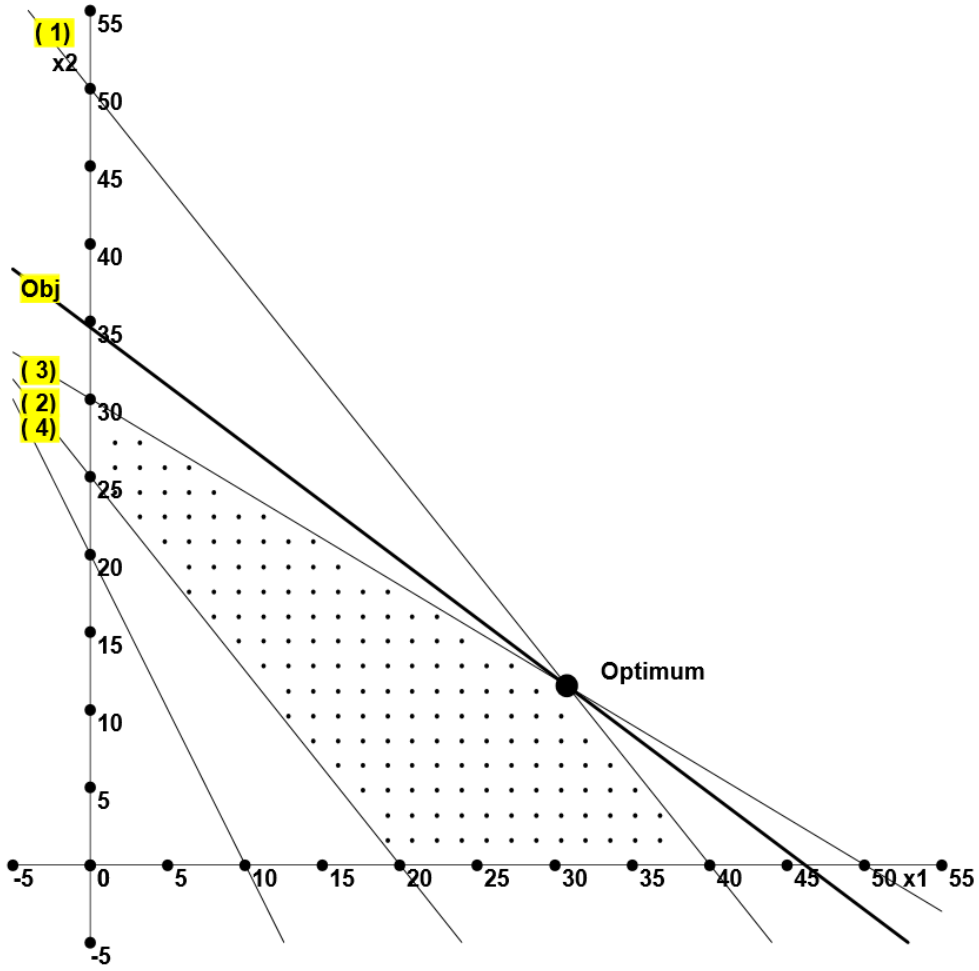
	x1	x2		
	x1	x2		
Maximize	300.00	400.00		
Subject to				
(1)	5.00	4.00	<=	200.00
(2)	5.00	4.00	>=	100.00
(3)	3.00	5.00	<=	150.00
(4)	8.00	4.00	>=	80.00
Lower Bound	0.00	0.00		
Upper Bound	infinity	infinity		
Unrestr'd (y/n)?	n	n		

LINEAR PROGRAMMING -- GRAPHICAL SOLUTION

Title: Q3(i)

Summary of Optimal Solution:

Objective Value = 13846.15
x1 = 30.77
x2 = 11.54



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LINEAR PROGRAM -- ORIGINAL DATA

Title: Q3(ii)

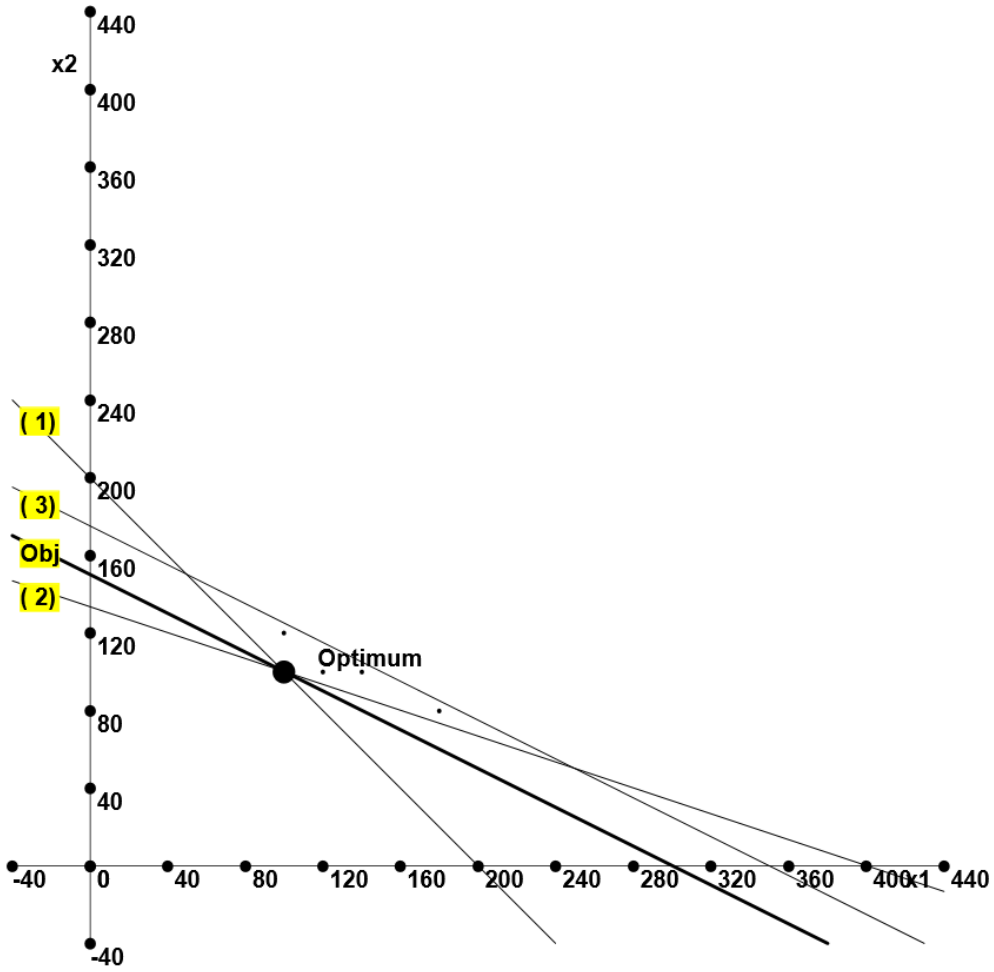
	x1	x2		
	x1	x2		
Minimize	200.00	400.00		
Subject to				
(1)	1.00	1.00	>=	200.00
(2)	1.00	3.00	>=	400.00
(3)	1.00	2.00	<=	350.00
Lower Bound	0.00	0.00		
Upper Bound	infinity	infinity		
Unrestr'd (y/n)?	n	n		

LINEAR PROGRAMMING -- GRAPHICAL SOLUTION

Title: Q3(ii)

Summary of Optimal Solution:

Objective Value = 60000.00
x1 = 100.00
x2 = 100.00



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LINEAR PROGRAM -- ORIGINAL DATA

Title: Q4

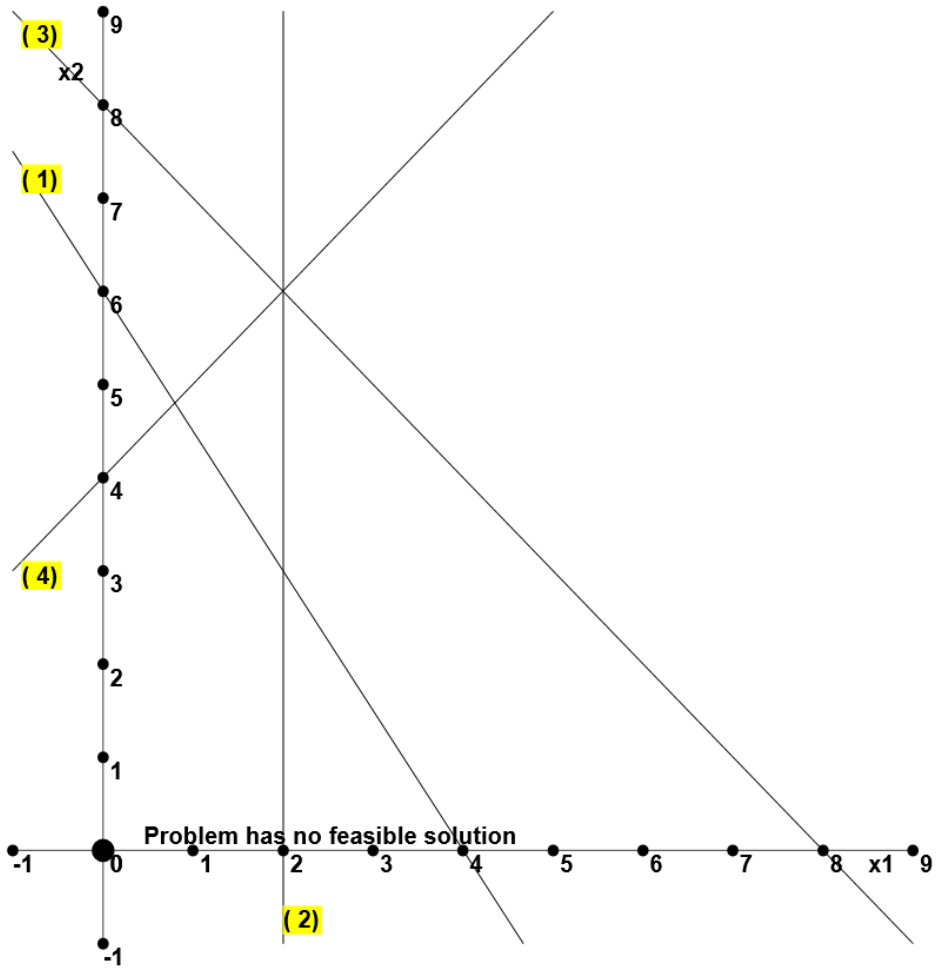
	x1	x2		
	x1	x2		
Maximize	1.00	0.50		
Subject to				
(1)	3.00	2.00	<=	12.00
(2)	5.00	0.00	=	10.00
(3)	1.00	1.00	>=	8.00
(4)	-1.00	1.00	>=	4.00
Lower Bound	0.00	0.00		
Upper Bound	infinity	infinity		
Unrestr'd (y/n)?	n	n		

LINEAR PROGRAMMING -- GRAPHICAL SOLUTION

Title: Q4

Summary of Optimal Solution:

Objective Value = -999999.00
x1 = 0.00
x2 = 0.00



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LINEAR PROGRAM -- ORIGINAL DATA

Title: Q5

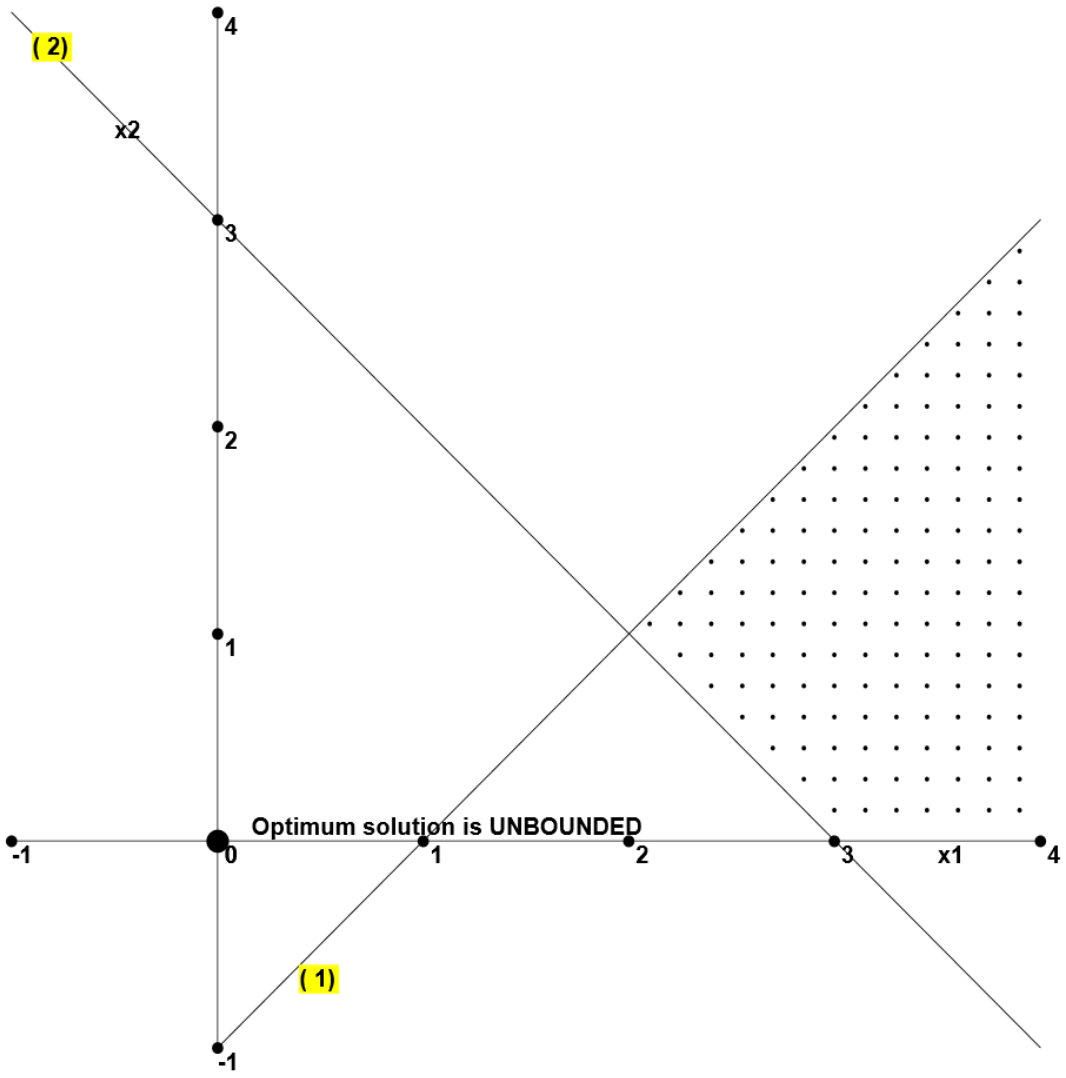
	x1	x2		
	x1	x2		
Maximize	3.00	2.00		
Subject to				
(1)	1.00	-1.00	>=	1.00
(2)	1.00	1.00	>=	3.00
Lower Bound	0.00	0.00		
Upper Bound	infinity	infinity		
Unrestr'd (y/n)?	n	n		

LINEAR PROGRAMMING -- GRAPHICAL SOLUTION

Title: Q5

Summary of Optimal Solution:

Objective Value = 999999.00
x1 = 0.00
x2 = 0.00



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LINEAR PROGRAM -- ORIGINAL DATA

Title: Q6

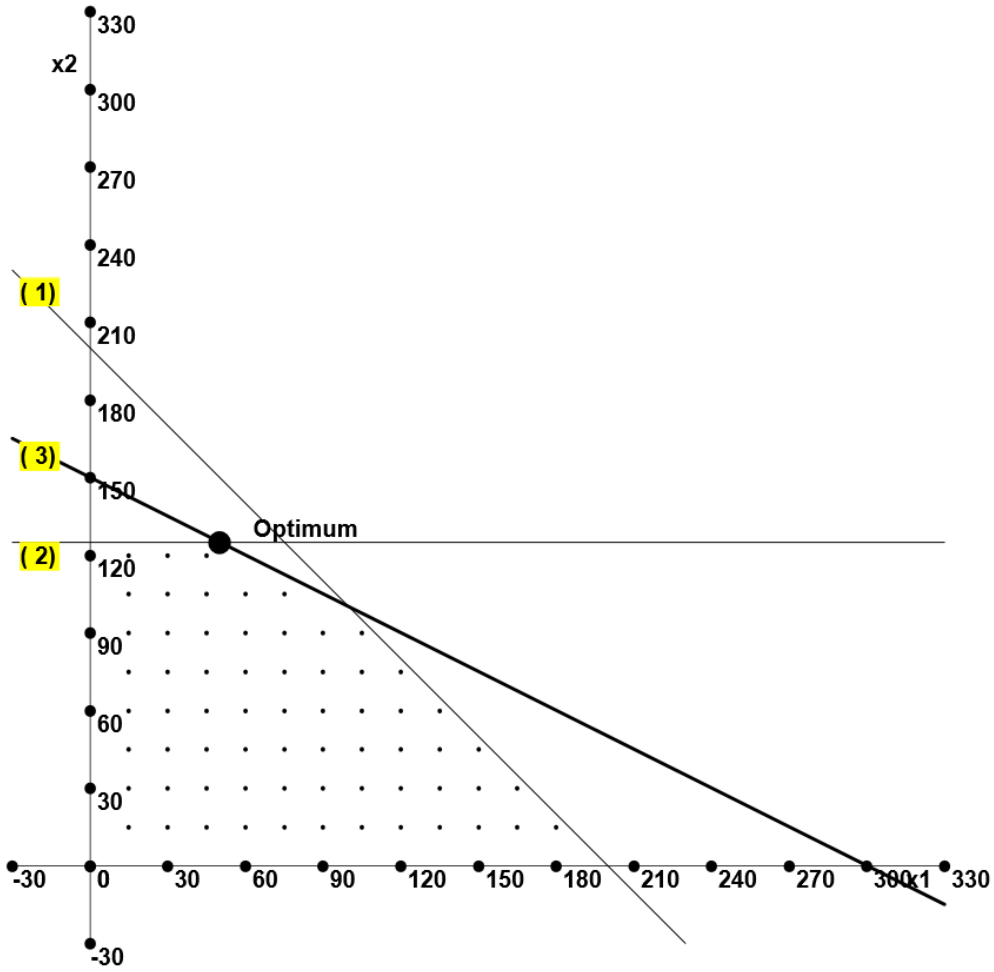
	x1	x2		
	x1	x2		
Maximize	8.00	16.00		
Subject to				
(1)	1.00	1.00	<=	200.00
(2)	0.00	1.00	<=	125.00
(3)	3.00	6.00	<=	900.00
Lower Bound	0.00	0.00		
Upper Bound	infinity	infinity		
Unrestr'd (y/n)?	n	n		

LINEAR PROGRAMMING -- GRAPHICAL SOLUTION

Title: Q6

Summary of Optimal Solution:

Objective Value = 2400.00
x1 = 50.00
x2 = 125.00



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LINEAR PROGRAM -- ORIGINAL DATA

Title: Q7

	x1	x2		
	x1	x2		
Maximize	20.00	30.00		
Subject to				
(1)	2.00	1.00	<=	40.00
(2)	4.00	-1.00	<=	20.00
(3)	1.00	0.00	>=	30.00
Lower Bound	0.00	0.00		
Upper Bound	infinity	infinity		
Unrestr'd (y/n)?	n	n		

LINEAR PROGRAMMING -- GRAPHICAL SOLUTION

Title: Q7

Summary of Optimal Solution:

Objective Value = -999999.00
x1 = 0.00
x2 = 0.00