

transportation.xls - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Help

Clipboard Font Background Styles Numbers

	A	B	C	D
3		Warehouses	Capacity	
4		Reno	35	
5		Chicago	25	
6		Newark	21	
7				
8		Customers	Demand	
9		San Francisco	15	
10		Dallas	17	
11		St. Louis	22	
12		Miami	12	
13				
14		Unit Costs	San Francisco	Totals
15		Reno	2	6
16		Chicago	6	4
17		Newark	9	5
18				
19		Shipments	San Francisco	Totals
20		Reno	15	5
21		Chicago	0	3
22		Newark	0	9
23				
24		Total Cost		
25		\$221.00		
26				

Ready

Lingo - Lingo Model - transportation

File Edit Lingo Window Help

Lingo Model - transportation

1.3 Warehouses, 4 Customer Transportation Problem
All data is imported from Excel, and the solution is also exported back to Excel.

SETS:
 WAREHOUSE: CAPACITY;
 CUSTOMER: DEMAND;
 ROUTES: WAREHOUSE, CUSTOMER: COST, VOLUME;

EXSETS

DATA:
 Imports the model data from Excel:
 WAREHOUSE, CUSTOMER, CAPACITY, DEMAND, COST =
 @OLE('TRANSPORTATION.XLS');

EXDATA

The objective:
 MIN = SUM(ROUTES: COST * VOLUME);

Lingo Chart - transportation

C:\models\transportation.lg4

Route	Volume	Percentage
(RENO, SAN_FRANCISCO)	15	22.73%
(RENO, DALLAS)	7	7.58%
(CHICAGO, DALLAS)	3	4.55%
(CHICAGO, ST_LOUIS)	30	30.00%
(NEWARK, DALLAS)	9	13.64%
(NEWARK, MIAMI)	9	18.18%

VOLUME

For Help, press F1

Lingo Solver Status (transportation)

Solver Status		Variables	
Model Class	LP	Total	12
State	Global Opt	Nonlinear	0
Objective	221	Integer	0
Infeasibility	0	Constraints	
Iterations	6	Total	8
		Nonlinear	0
		Ramp	
		Total	16
		Nonlinear	0
		Generate Memory Used (K)	
		25	
		Elapsed Runtime (Minutes)	
		00:00:00	

Extended Solver Status

Solver Type: ...

Start Obj: ...

Obj Bound: ...

Steps: ...

Active: ...

Update Interval: ...

Manual Solver

Close

Optimization Modeling With Spreadsheets Solution Manual

AW Chickering



Optimization Modeling With Spreadsheets Solution Manual:

Optimization Modeling With Spreadsheets Solution Manual Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Optimization Modeling With Spreadsheets Solution Manual**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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Table of Contents Optimization Modeling With Spreadsheets Solution Manual

1. Understanding the eBook Optimization Modeling With Spreadsheets Solution Manual
 - The Rise of Digital Reading Optimization Modeling With Spreadsheets Solution Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Optimization Modeling With Spreadsheets Solution Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Optimization Modeling With Spreadsheets Solution Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Optimization Modeling With Spreadsheets Solution Manual
 - Personalized Recommendations
 - Optimization Modeling With Spreadsheets Solution Manual User Reviews and Ratings
 - Optimization Modeling With Spreadsheets Solution Manual and Bestseller Lists

5. Accessing Optimization Modeling With Spreadsheets Solution Manual Free and Paid eBooks
 - Optimization Modeling With Spreadsheets Solution Manual Public Domain eBooks
 - Optimization Modeling With Spreadsheets Solution Manual eBook Subscription Services
 - Optimization Modeling With Spreadsheets Solution Manual Budget-Friendly Options
6. Navigating Optimization Modeling With Spreadsheets Solution Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Optimization Modeling With Spreadsheets Solution Manual Compatibility with Devices
 - Optimization Modeling With Spreadsheets Solution Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Optimization Modeling With Spreadsheets Solution Manual
 - Highlighting and Note-Taking Optimization Modeling With Spreadsheets Solution Manual
 - Interactive Elements Optimization Modeling With Spreadsheets Solution Manual
8. Staying Engaged with Optimization Modeling With Spreadsheets Solution Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Optimization Modeling With Spreadsheets Solution Manual
9. Balancing eBooks and Physical Books Optimization Modeling With Spreadsheets Solution Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Optimization Modeling With Spreadsheets Solution Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Optimization Modeling With Spreadsheets Solution Manual
 - Setting Reading Goals Optimization Modeling With Spreadsheets Solution Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Optimization Modeling With Spreadsheets Solution Manual
 - Fact-Checking eBook Content of Optimization Modeling With Spreadsheets Solution Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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