Xunzhe Zhou's slides 1

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Summary

Summary

Introduction

Theorem1

example equation

Theorem2

example equation

Summary

Part 1

Part 1

Theorem3

Theorem

$$\text{example equation}$$

Theorem4

Theorem

$$\text{example equation}$$

Theorem5

Theorem

$$\text{example equation}$$

Part 2

Part 2

7	3 6 8 9	6 8 9	3	2 3 6	5	1	2 8 9	4
3 5 6	3 5 6 8 9	2	4	1 3 6	1 3	5 6 8	5 7 8 9	6 7 8
1	5 6	4 6	7	9	8	2 5 6	3	2 6
9	7 8	3	1	5	1 2 7	2 4 8	6	2 7 8
4 5	5 7	1	8	2 3	6	9	2 4 5 7	2 7
5 6	2	6 8	9	4	7 9	3	5 7 8	1
2 3	4	5	6	7	1 3	2 8	1 2 8	9
2 3 6	3 6 9	1 6 9	1 3 5 9	1 3 8	4	7	1 2 8	2 3 6 8
8	1 3 6 9	7	2	1 3	1 3 9	4 6	1 4	5

Theorem6

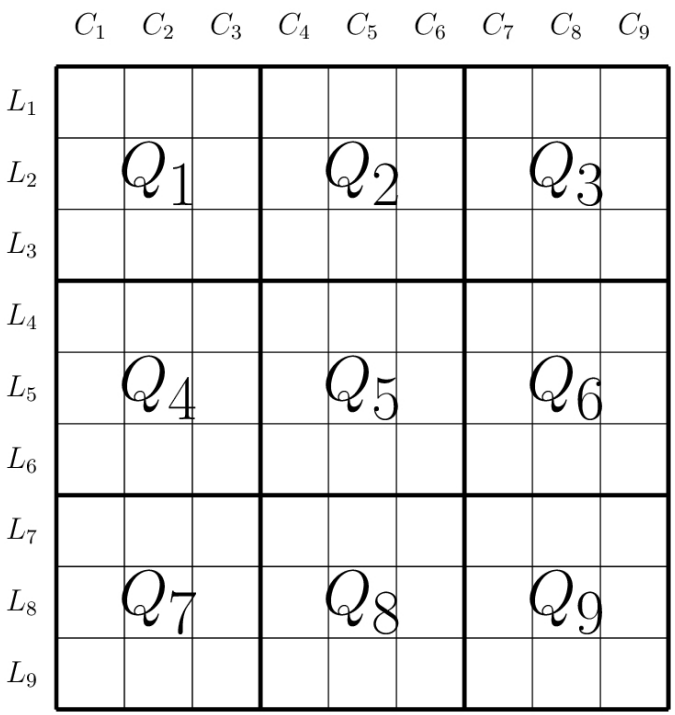
Theorem

example equation

Theorem7

Theorem

example equation



Theorem8

Theorem

example equation

a_{11}	a_{12}	a_{13}	a_{14}	a_{15}	a_{16}	a_{17}	a_{18}	a_{19}
a_{21}	a_{22}	a_{23}	a_{24}	a_{25}	a_{26}	a_{27}	a_{28}	a_{29}
a_{31}	a_{32}	a_{33}	a_{34}	a_{35}	a_{36}	a_{37}	a_{38}	a_{39}
a_{41}	a_{42}	a_{43}	a_{44}	a_{45}	a_{46}	a_{47}	a_{48}	a_{49}
a_{51}	a_{52}	a_{53}	a_{54}	a_{55}	a_{56}	a_{57}	a_{58}	a_{59}
a_{61}	a_{62}	a_{63}	a_{64}	a_{65}	a_{66}	a_{67}	a_{68}	a_{69}
a_{71}	a_{72}	a_{73}	a_{74}	a_{75}	a_{76}	a_{77}	a_{78}	a_{79}
a_{81}	a_{82}	a_{83}	a_{84}	a_{85}	a_{86}	a_{87}	a_{88}	a_{89}
a_{91}	a_{92}	a_{93}	a_{94}	a_{95}	a_{96}	a_{97}	a_{98}	a_{99}

Theorem9

Theorem

example equation

Part 3

Theorem10

example equation

1	3	6				7		
2	5	9		1	6	8		
4	7	8						
			4					3
	4		1		2		2	9
		5						
8	9			7				4
				2	1		3	
3			5					

Part 3

Theorem11

example equation

Theorem12

example equation

6	7		3				2	
		5		4				
	2		7					6
	5					1		
2				5	4			3
				1			5	
5								
1	4					8	9	
			9	8		7		

Part 3

Theorem13

example equation

Theorem

example equation

	4		8		9			
	6		4			5	9	
							6	
	2			5		1	7	
	5		7			9		
	9		6	3		2		
			2	8	7			
	1	4		9	6	3		
						8		9

Part 3

Theorem14

example equation

Theorem15

example equation

	9	7	3	6		2		8
3		8	7	2		9		
2			9		8	3		7
		4			9	7	8	
8	1			7		4	2	
5				8		6	9	
4			3	3	2	8	7	9
9			8	3	7	3	3	3
7	8	3	6	9	3	3	4	3

Part 4

Part 4

Theorem16

example equation

Theorem17

example equation

Summary

Reference

Lorch, C.; Lorch, J.
Enumerating small sudoku puzzles in a first abstract algebra course.
Primus, Taylor & Francis, v. 18, n. 2, p. 149157, 2008.

West, D. B. et al.
Introduction to graph theory.
[S.l.]: Prentice hall Upper Saddle River, 2001. v. 2.0.

Keedwell, A. D.; Dénes, J.
Latin squares and their applications.
[S.l.]: Elsevier, 2015.

Ross, S. M.
Topics in finite and discrete mathematics.
[S.l.]: Cambridge University Press, 2000.