

# Inaba Puzzles

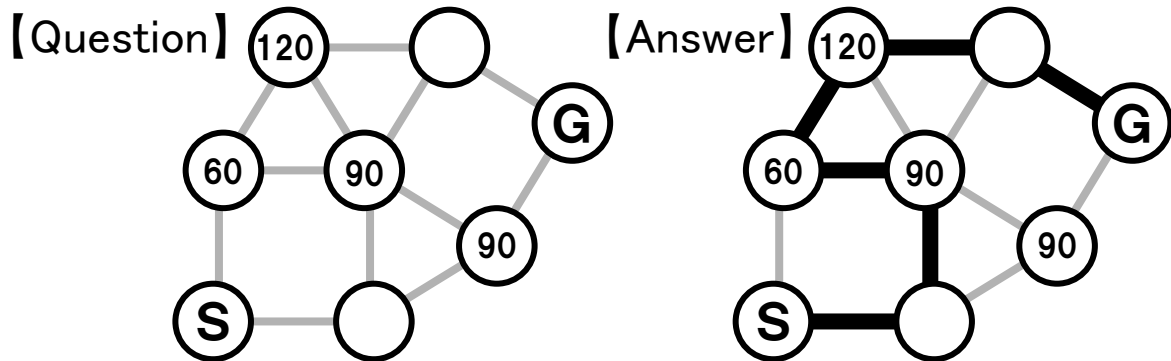
<http://inabapuzzle.com/study/index.html>

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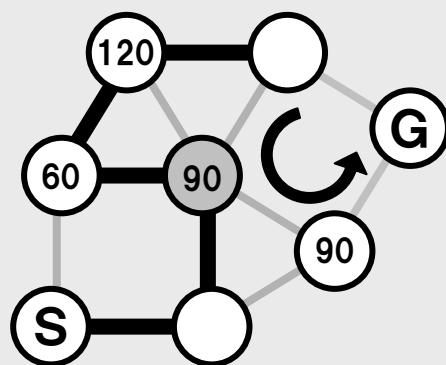
# 角度メイズ - Kakudo Meizu - Angle Maze

Draw a line from the start (S) to the goal (G)

- You can only pass through each circle once
- If you pass through a circle with a number, you must turn that many degrees

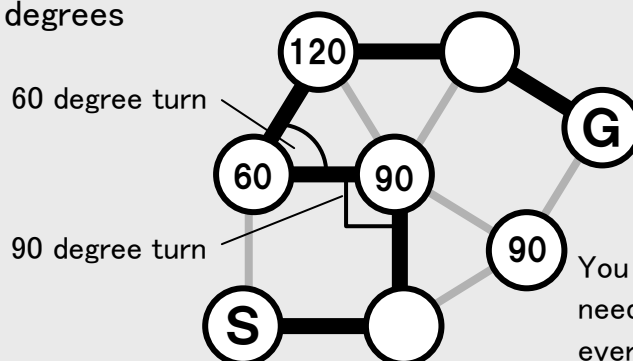


You can only pass through each circle once



The only path would go through the highlighted circle for a second time.

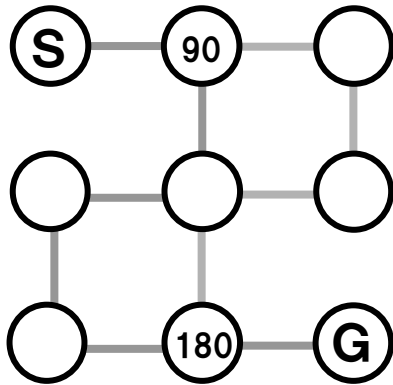
If you pass through a circle with a number, you must turn that many degrees



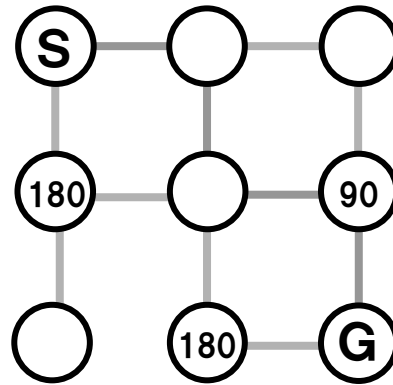
You don't need to use every circle

# 角度メイズ - Kakudo Meizu - Angle Maze

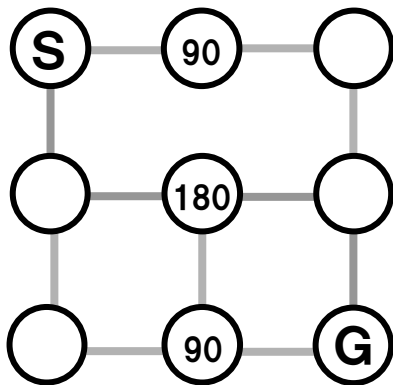
(1)



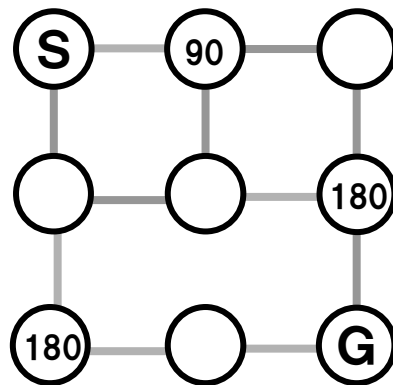
(2)



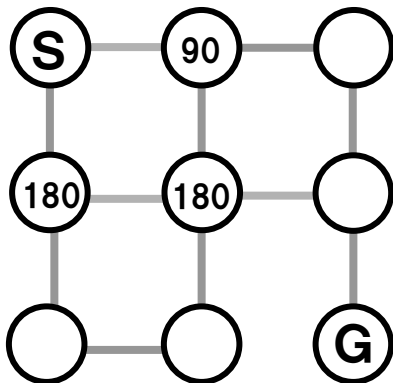
(3)



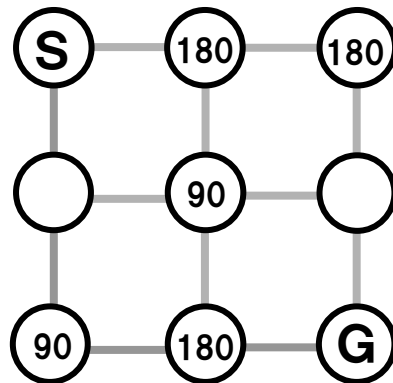
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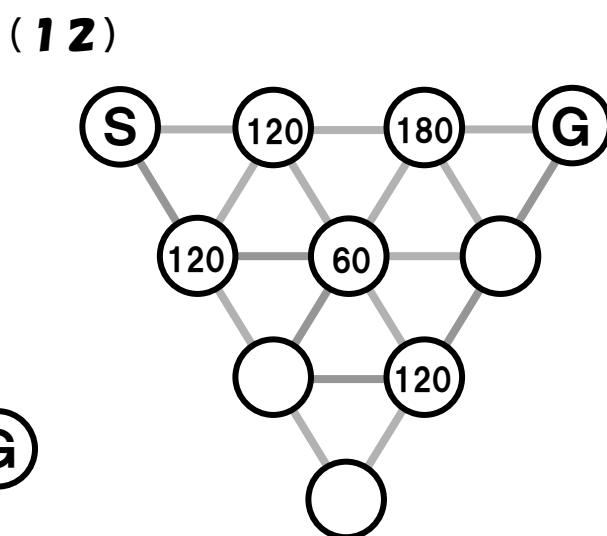
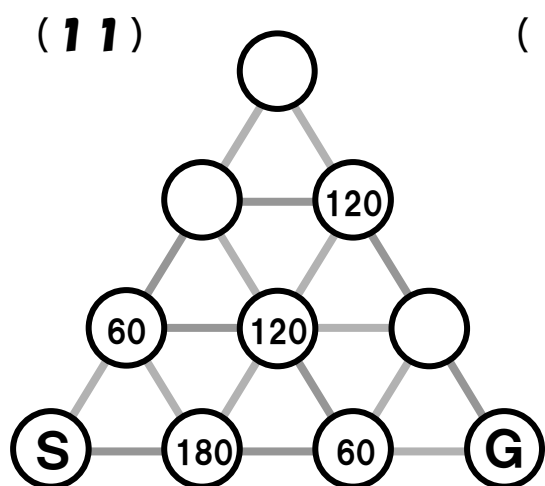
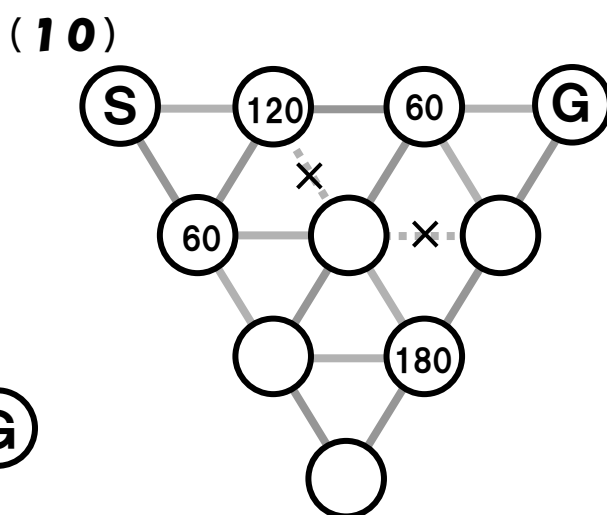
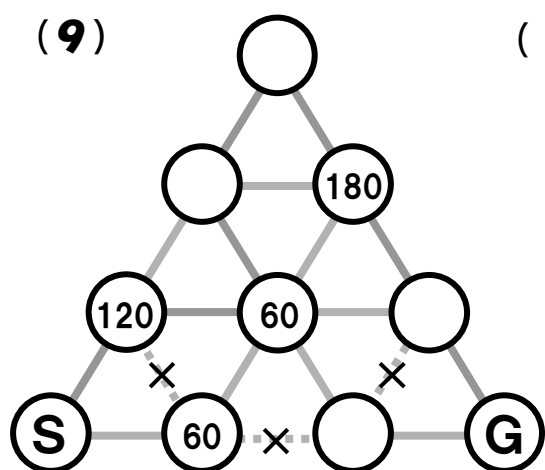
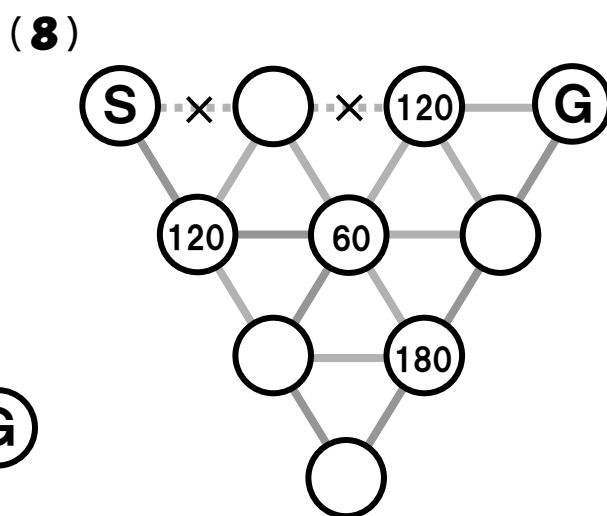
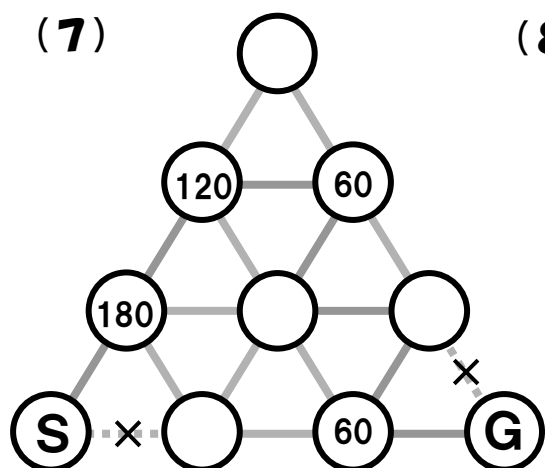
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(6)

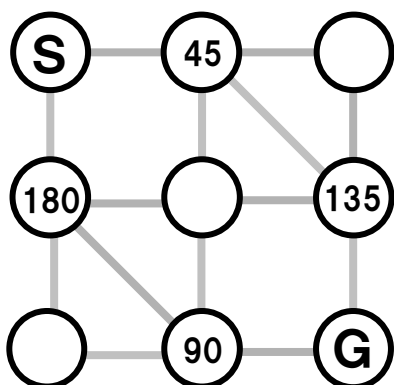


# 角度メイズ - Kakudo Meizu - Angle Maze

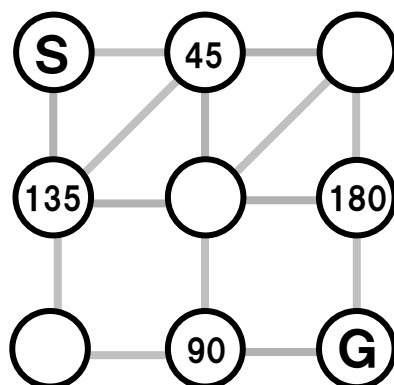


# 角度メイズ - Kakudo Meizu - Angle Maze

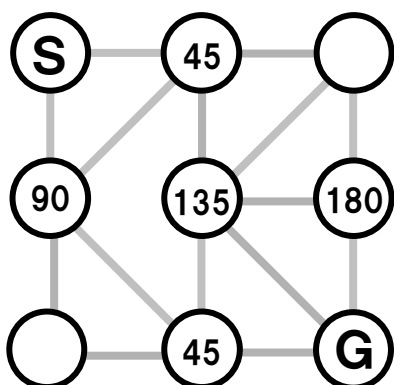
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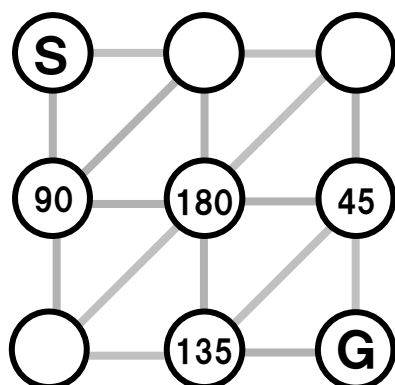
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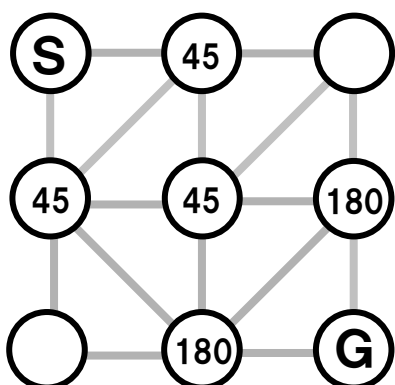
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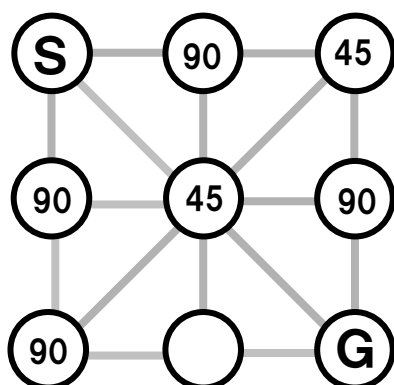
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(17)

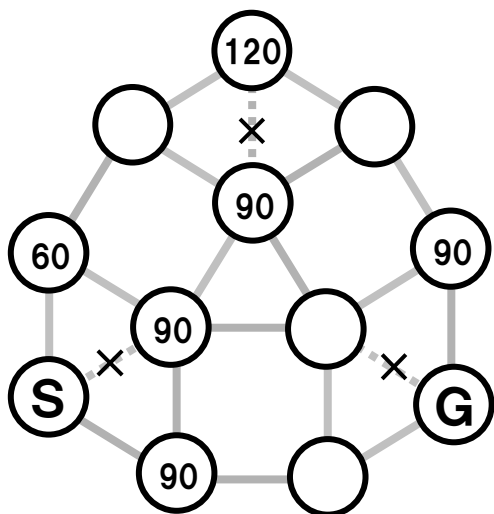


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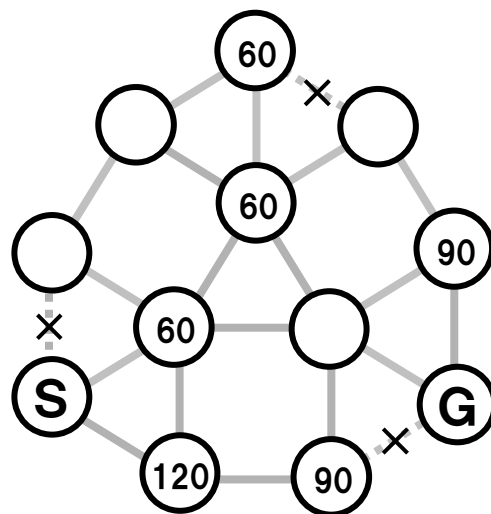


# 角度メイズ - Kakudo Meizu - Angle Maze

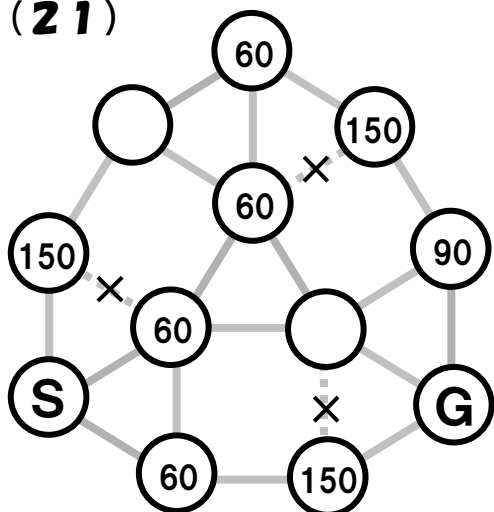
(19)



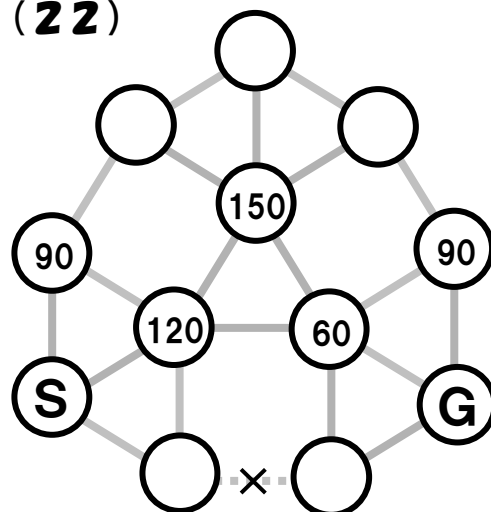
(20)



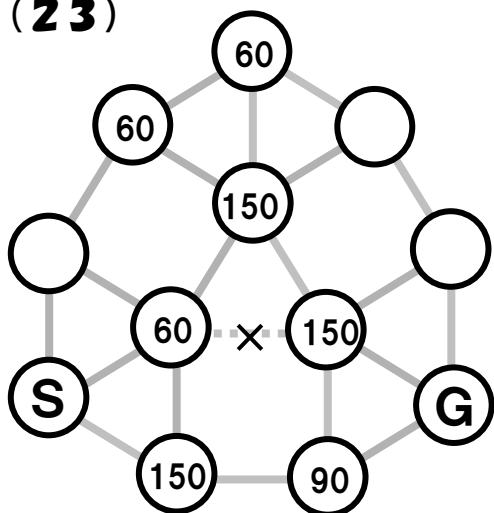
(21)



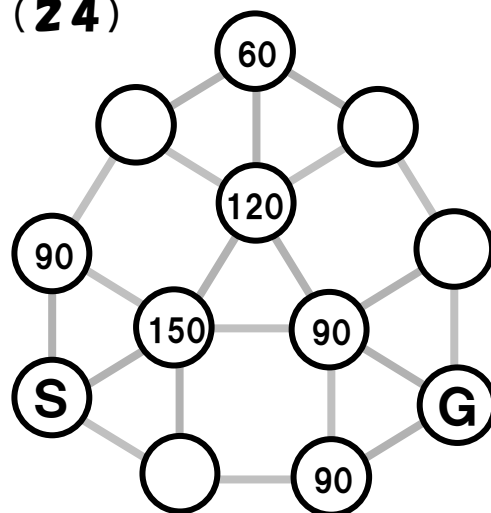
(22)



(23)

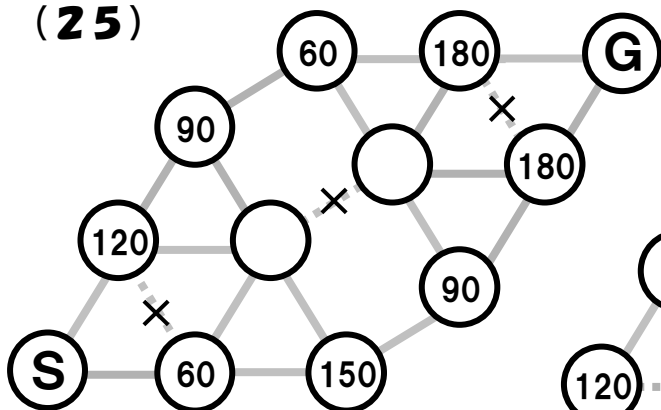


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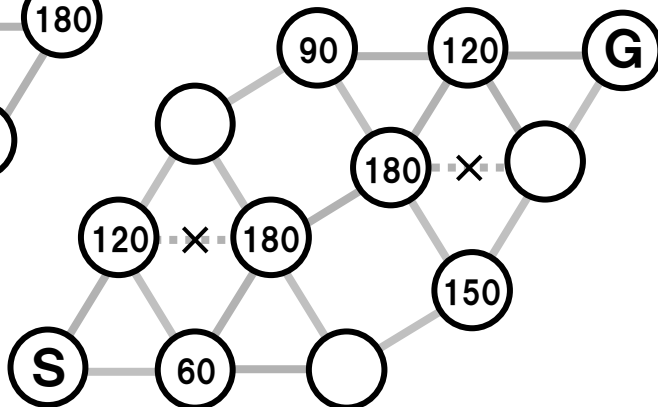


# 角度メイズ - Kakudo Meizu - Angle Maze

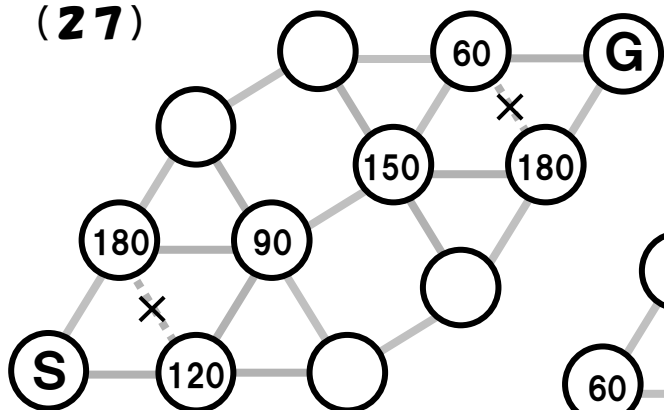
(25)



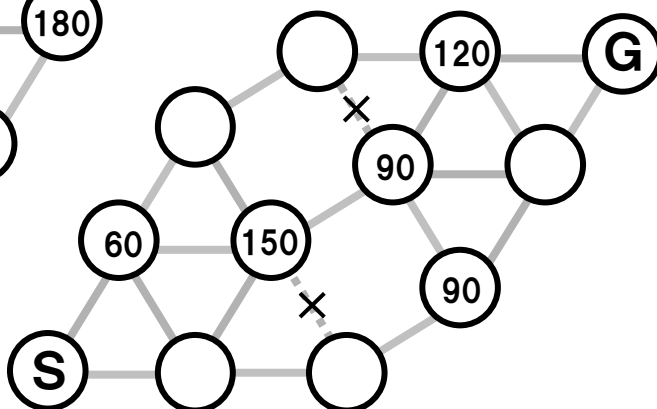
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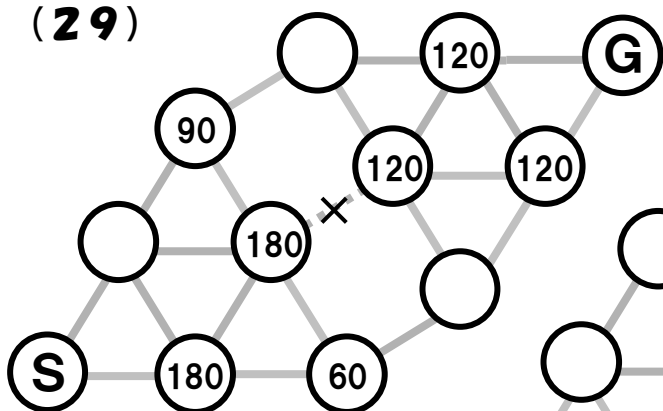
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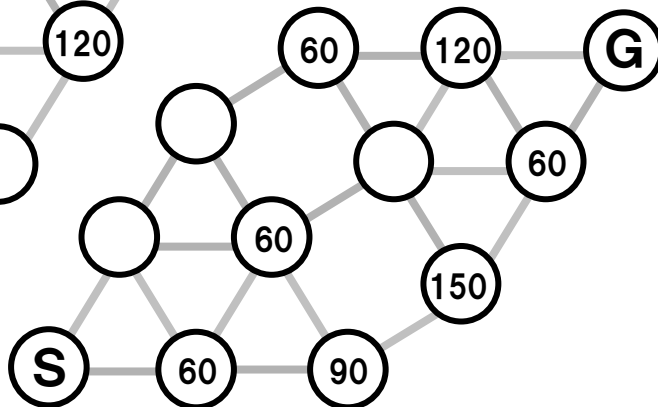
(28)



(29)

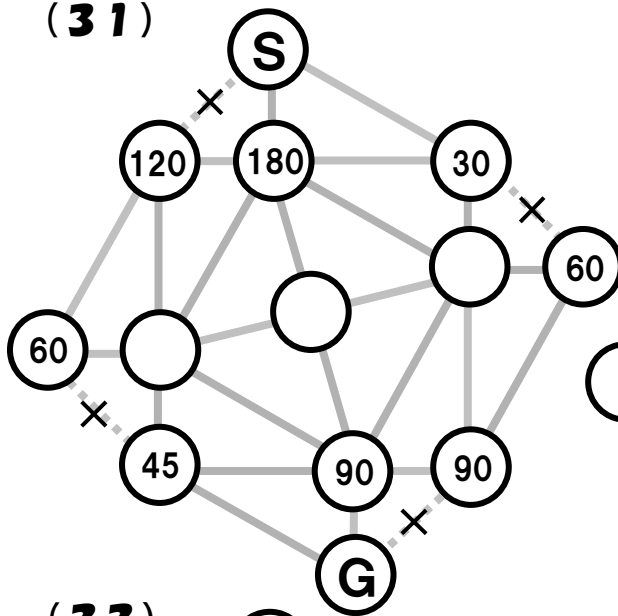


(30)

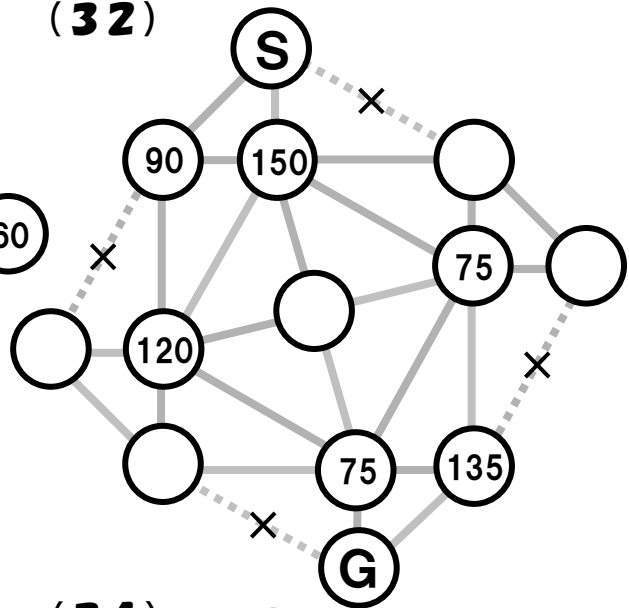


# 角度メイズ - Kakudo Meizu - Angle Maze

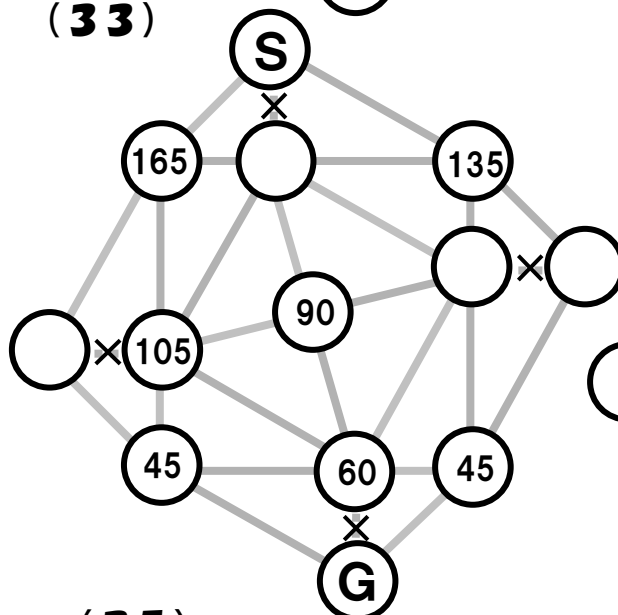
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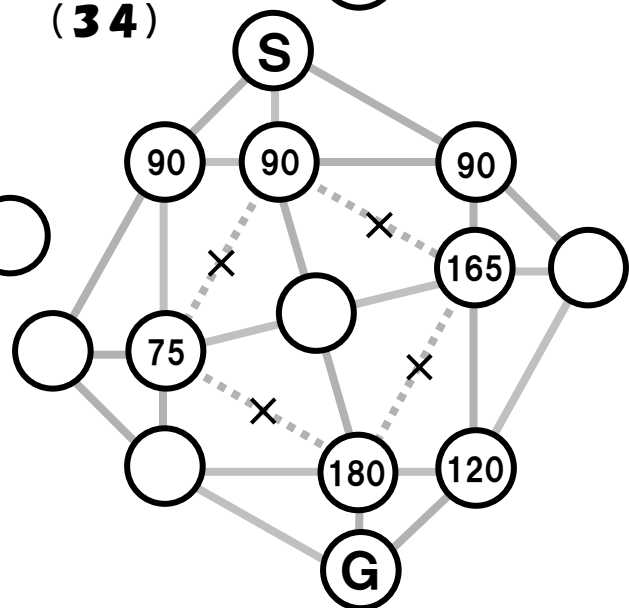
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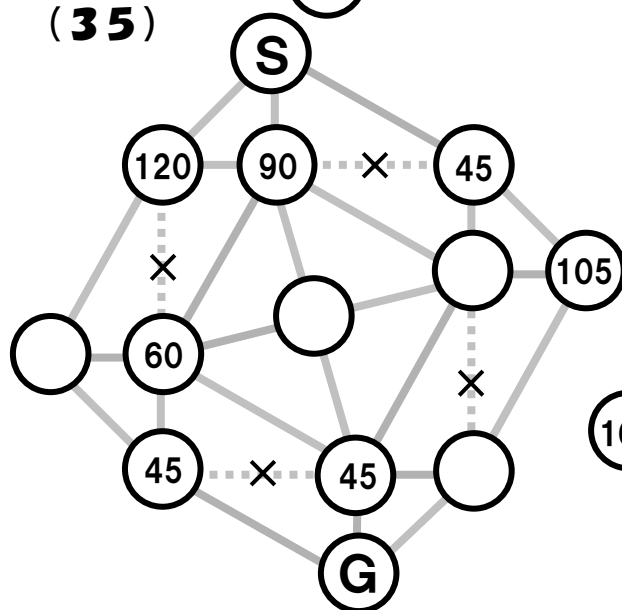
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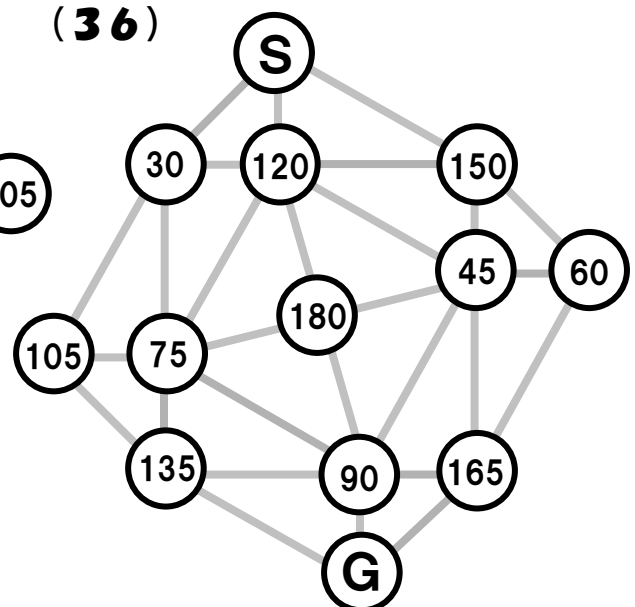
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(35)



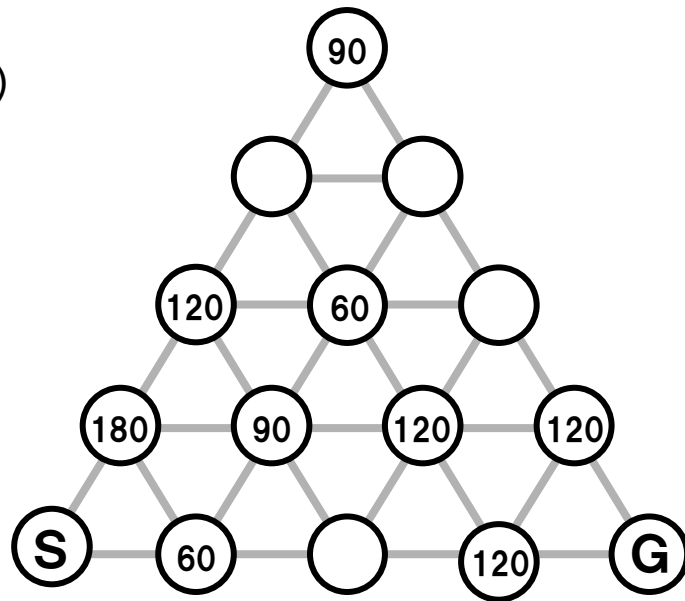
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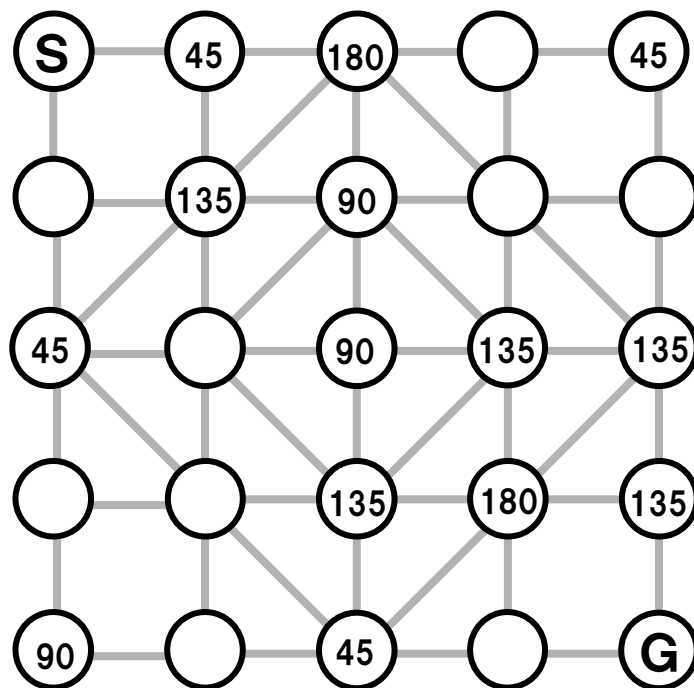


# 角度メイズ - Kakudo Meizu - Angle Maze

(37)



(38)



# 双子式 – Futago Shiki – Gemini Equations

There are two equations with missing symbols:

- Use the same symbols in both equations so that the answer is correct
- The symbols you can use are  $+$   $-$   $\times$   $\div$  and  $( )$

【Question】

$$\begin{array}{l} 1 \quad 1 \quad 2 = 4 \\ 2 \quad 1 \quad 1 = 3 \end{array}$$

【Answer】

$$\begin{array}{l} (1 + 1) \times 2 = 4 \\ (2 + 1) \times 1 = 3 \end{array}$$

Use  $+$   $-$   $\times$   $\div$  and  $( )$  to make the equation equal four

$$1 \quad 1 \quad 2 = 4$$

$$1 + 1 + 2 = 4$$



Correct equation

$$1 + 1 \times 2 = 4$$



Incorrect order of operations, this equals 3

Use the same symbols in both equations

$$(1 + 1) \times 2 = 4$$

$$(2 + 1) \times 1 = 3$$



Same symbols

$$1 \oplus 1 + 2 = 4$$

$$2 \otimes 1 + 1 = 3$$



Different symbols

# 双子式 – Futago Shiki – Gemini Equations

(1)

$$2 \ 2 \ 3 \ = \ 7$$

$$4 \ 2 \ 2 \ = \ 8$$

(3)

$$8 \ 8 \ 8 \ = \ 8$$

$$4 \ 2 \ 3 \ = \ 5$$

(5)

$$4 \ 2 \ 6 \ = \ 8$$

$$9 \ 7 \ 2 \ = \ 4$$

(2)

$$8 \ 5 \ 1 \ = \ 2$$

$$6 \ 1 \ 3 \ = \ 2$$

(4)

$$3 \ 2 \ 2 \ = \ 3$$

$$2 \ 2 \ 4 \ = \ 0$$

(6)

$$2 \ 7 \ 5 \ = \ 4$$

$$8 \ 4 \ 2 \ = \ 10$$

## 双子式 – Futago Shiki – Gemini Equations

(7)

$$2 \quad 2 \quad 4 \quad = 8$$

$$8 \quad 1 \quad 1 \quad = 9$$

(9)

$$1 \quad 2 \quad 3 \quad = 6$$

$$1 \quad 4 \quad 1 \quad = 4$$

(11)

$$4 \quad 1 \quad 2 \quad = 2$$

$$7 \quad 2 \quad 1 \quad = 5$$

(8)

$$6 \quad 1 \quad 4 \quad = 2$$

$$6 \quad 4 \quad 7 \quad = 17$$

(10)

$$7 \quad 1 \quad 6 \quad = 13$$

$$4 \quad 3 \quad 2 \quad = 10$$

(12)

$$8 \quad 3 \quad 4 \quad = 20$$

$$3 \quad 5 \quad 3 \quad = 18$$

## 双子式 – Futago Shiki – Gemini Equations

**(13)**

$$6 \quad 4 \quad 2 \quad = 12$$

$$7 \quad 9 \quad 7 \quad = 9$$

**(14)**

$$8 \quad 4 \quad 2 \quad = 0$$

$$8 \quad 2 \quad 2 \quad = 2$$

**(15)**

$$6 \quad 3 \quad 8 \quad = 10$$

$$3 \quad 1 \quad 3 \quad = 0$$

**(16)**

$$7 \quad 4 \quad 2 \quad = 9$$

$$3 \quad 2 \quad 1 \quad = 5$$

**(17)**

$$3 \quad 3 \quad 2 \quad = 3$$

$$4 \quad 2 \quad 1 \quad = 4$$

**(18)**

$$5 \quad 1 \quad 6 \quad = 11$$

$$8 \quad 7 \quad 6 \quad = 50$$

## 双子式 – Futago Shiki – Gemini Equations

**(19)**

$$1 \quad 5 \quad 1 \quad = 4$$

$$8 \quad 4 \quad 2 \quad = 16$$

**(20)**

$$9 \quad 9 \quad 3 \quad = 6$$

$$1 \quad 7 \quad 7 \quad = 0$$

**(21)**

$$8 \quad 8 \quad 4 \quad = 4$$

$$5 \quad 1 \quad 1 \quad = 6$$

**(22)**

$$6 \quad 1 \quad 2 \quad = 3$$

$$8 \quad 2 \quad 2 \quad = 2$$

**(23)**

$$8 \quad 4 \quad 2 \quad = 4$$

$$6 \quad 3 \quad 2 \quad = 6$$

**(24)**

$$3 \quad 3 \quad 6 \quad = 0$$

$$8 \quad 3 \quad 4 \quad = 20$$

## 双子式 – Futago Shiki – Gemini Equations

**(25)**

$$3 \ 2 \ 3 \ = \ 15$$

$$4 \ 2 \ 2 \ = \ 16$$

**(26)**

$$7 \ 3 \ 2 \ = \ 2$$

$$9 \ 5 \ 1 \ = \ 4$$

**(27)**

$$4 \ 4 \ 4 \ = \ 4$$

$$6 \ 3 \ 9 \ = \ 18$$

**(28)**

$$9 \ 3 \ 6 \ = \ 1$$

$$8 \ 2 \ 2 \ = \ 2$$

**(29)**

$$4 \ 4 \ 8 \ = \ 8$$

$$6 \ 1 \ 5 \ = \ 1$$

**(30)**

$$7 \ 6 \ 3 \ = \ 39$$

$$8 \ 7 \ 4 \ = \ 60$$

## 双子式 – Futago Shiki – Gemini Equations

**(31)**

$$8 \ 3 \ 4 \ = \ 20$$

$$6 \ 3 \ 9 \ = \ 27$$

**(33)**

$$3 \ 2 \ 2 \ = \ 12$$

$$2 \ 4 \ 3 \ = \ 14$$

**(35)**

$$9 \ 4 \ 2 \ = \ 18$$

$$3 \ 3 \ 1 \ = \ 6$$

**(32)**

$$6 \ 3 \ 9 \ = \ 18$$

$$4 \ 2 \ 8 \ = \ 16$$

**(34)**

$$5 \ 4 \ 3 \ = \ 3$$

$$6 \ 6 \ 4 \ = \ 3$$

**(36)**

$$2 \ 2 \ 2 \ = \ 6$$

$$9 \ 8 \ 7 \ = \ 65$$



## 双子式 – Futago Shiki – Gemini Equations

(37)

$$12 \quad 2 \quad 3 \quad = 18$$

$$6 \quad 6 \quad 2 \quad = 18$$

(38)

$$8 \quad 16 \quad 4 = 96$$

$$9 \quad 8 \quad 4 = 68$$

(39)

$$28 \quad 8 \quad 2 \quad = 18$$

$$15 \quad 3 \quad 3 \quad = 6$$

(40)

$$18 \quad 3 \quad 24 = 30$$

$$6 \quad 3 \quad 1 \quad = 3$$

(41)

$$4 \quad 13 \quad 7 \quad = 24$$

$$12 \quad 8 \quad 6 \quad = 24$$



(42)

$$18 \quad 12 \quad 2 \quad = 3$$

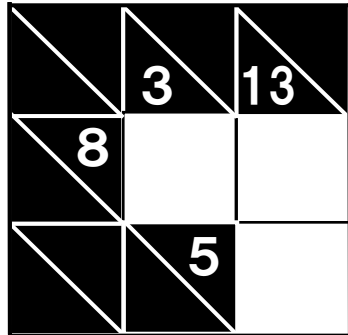
$$12 \quad 6 \quad 2 \quad = 4$$

# 倍数クロス – Baisū Kurosu – Multiple Cross

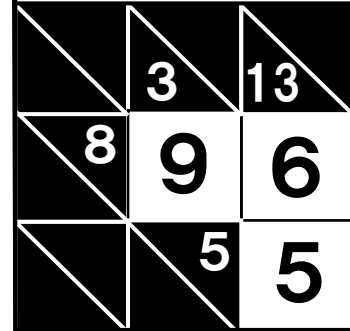
Put the numbers **0** to **9** in the white squares

- Write a multiple of the number in a  below it
- Write a multiple of the number in a  to the right of it

【Question】



【Answer】



Position of the clues and answers

Caution!

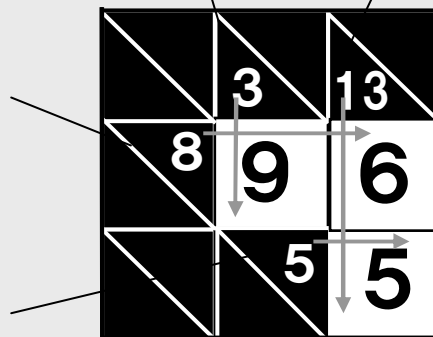
**0** can't be used  
at the front

「**9**」 is written  
below the clue, **3**

「**65**」 is written  
below the clue, **13**

「**96**」 is written to  
the right of the clue, **8**

「**5**」 is written to  
the right of the clue, **5**



Each answer is a multiple of the clue



**96** is  $8 \times 12$



**5** is  $5 \times 1$



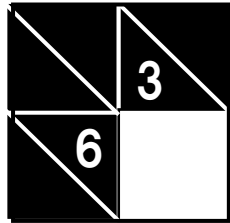
**65** is  $13 \times 5$



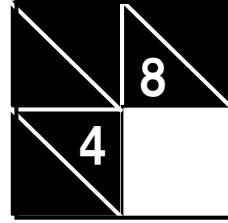
**9** is  $3 \times 3$

# 倍数クロス – Baisū Kurosu – Multiple Cross

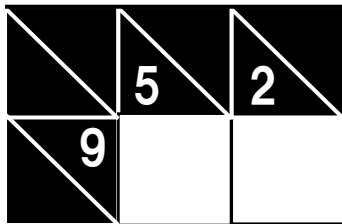
(1)



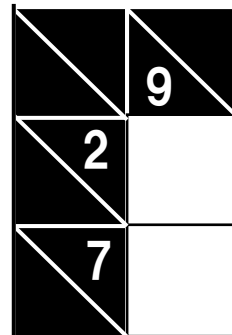
(2)



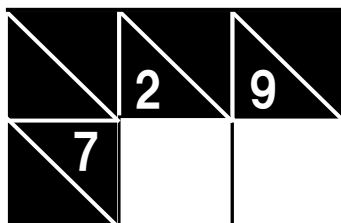
(3)



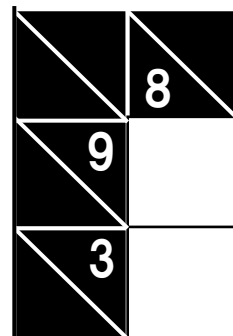
(4)



(5)

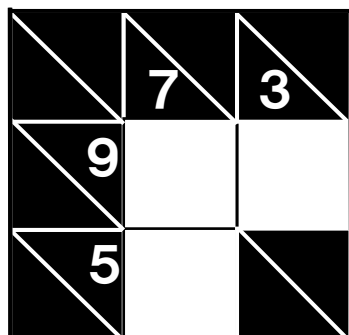


(6)

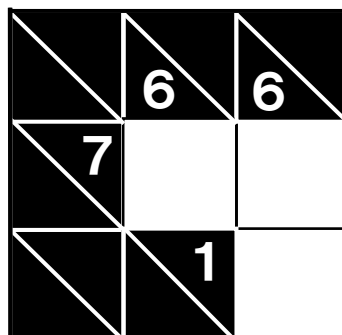


# 倍数クロス – Baisū Kurosu – Multiple Cross

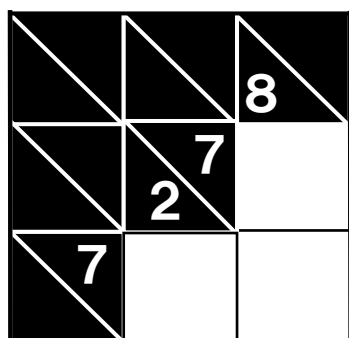
(7)



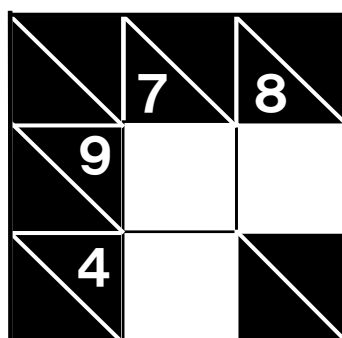
(8)



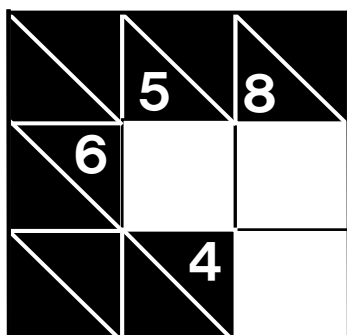
(9)



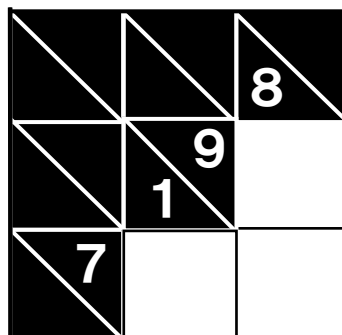
(10)



(11)



(12)



# 倍数クロス - Baisū Kurosu - Multiple Cross

(13)

/	/	9	4
/	8	6	/
7	/	/	/

(14)

/	8	8	/
9	/	/	/
/	8	/	2

(15)

/	7	8	1
6	/	/	/

(16)

/	7
1	/
5	/
6	/

(17)

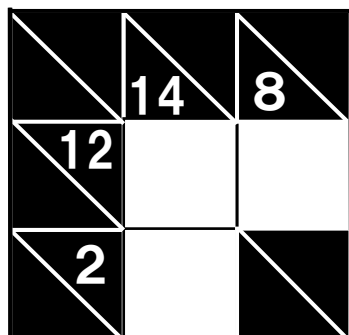
/	6	8	3
7	/	/	/

(18)

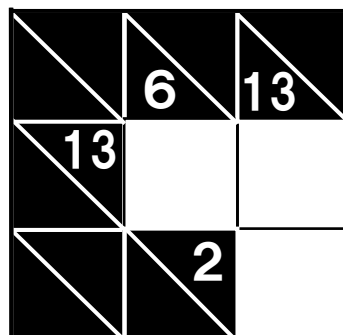
/	9
3	/
7	/
5	/

# 倍数クロス - Baisū Kurosu - Multiple Cross

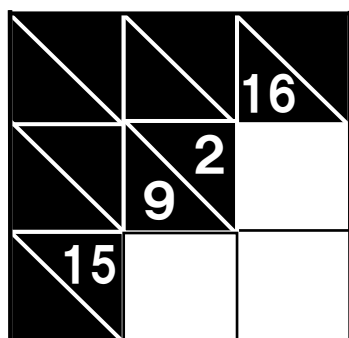
(19)



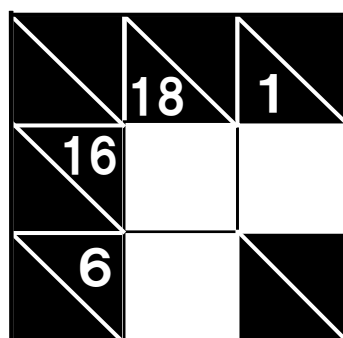
(20)



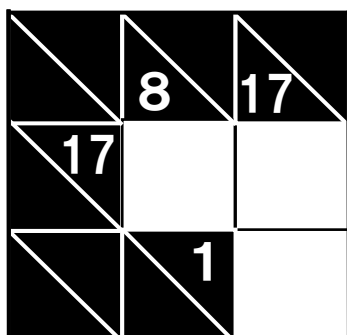
(21)



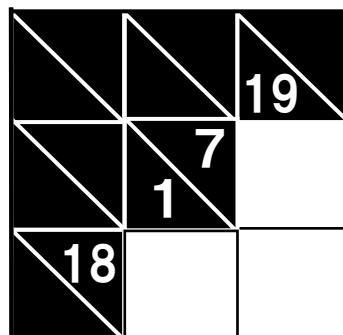
(22)



(23)



(24)



# 倍数クロス - Baisū Kurosu - Multiple Cross

(25)

/	/	11	4
/	7	12	
13			/

(26)

/	1	11	/
14			/
/	17		8

(27)

/	8	9	2
16			

(28)

/	17
9	
1	
9	

(29)

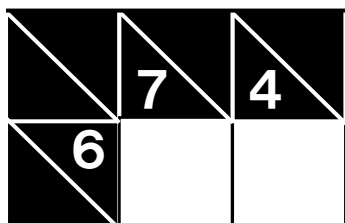
/	2	5	8
14			

(30)

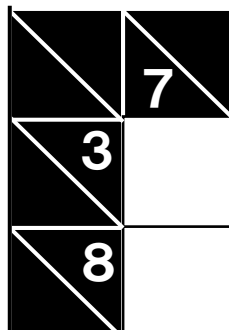
/	12
7	
1	
8	

# 倍数クロス – Baisū Kurosu – Multiple Cross

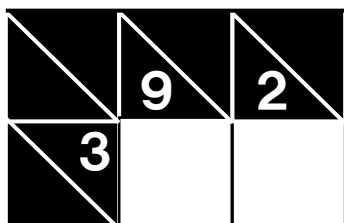
(31)



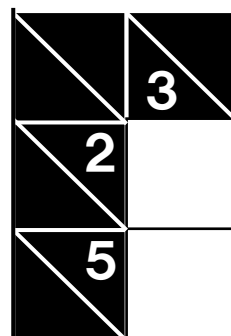
(32)



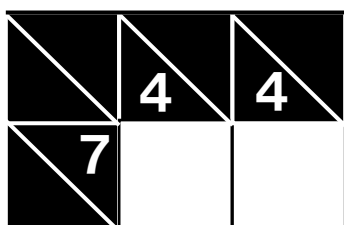
(33)



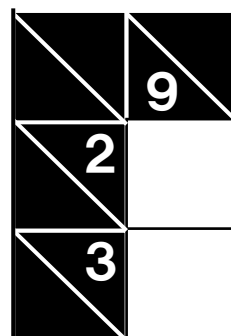
(34)



(35)



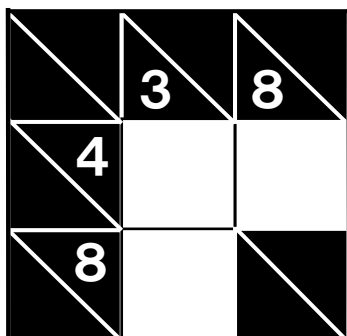
(36)



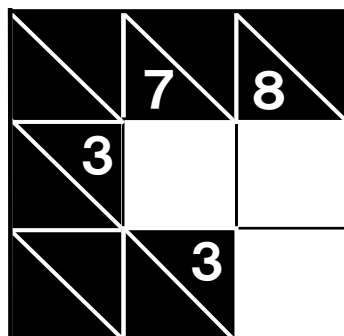


# 倍数クロス - Baisū Kurosu - Multiple Cross

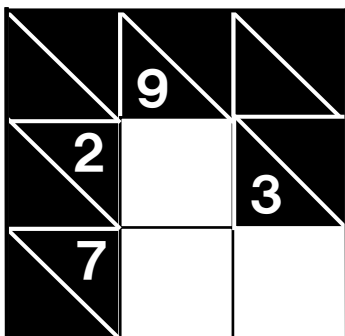
(37)



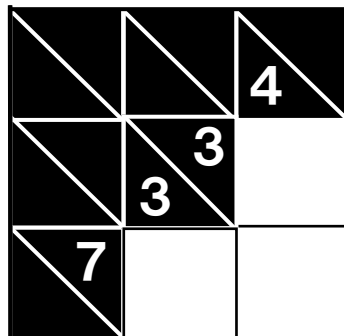
(38)



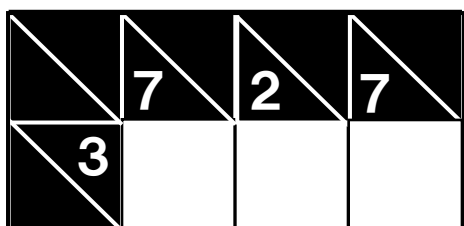
(39)



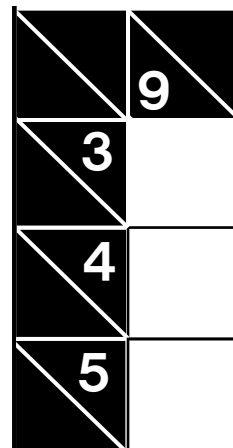
(40)



(41)



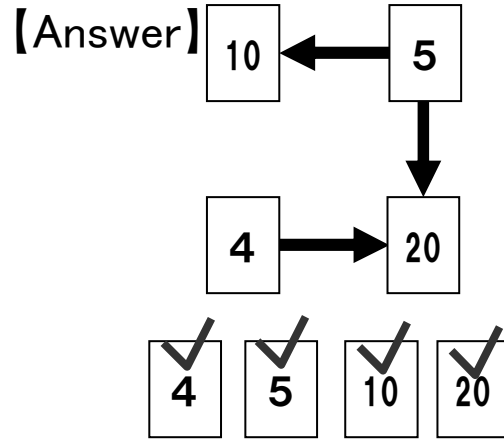
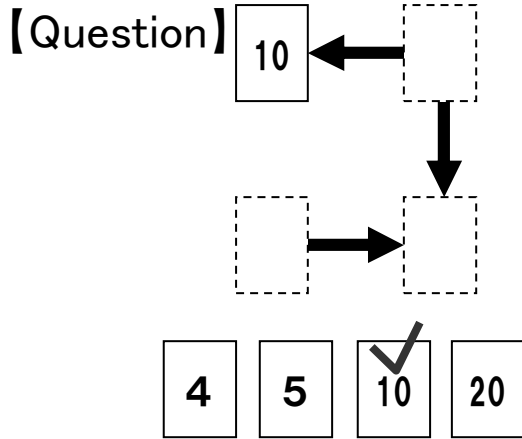
(42)



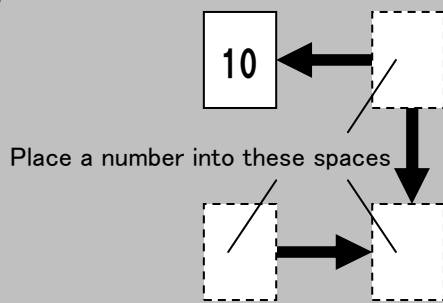
# 倍数リンク - Baisū Rinku - Multiple Link

Place one of the numbers listed below into a space enclosed by a dotted line

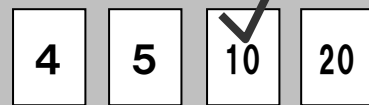
- The number at the end of each arrow is a multiple of the number at the beginning



Place one of the numbers listed below the diagram into a space enclosed by a dotted line



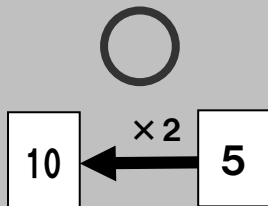
Number list



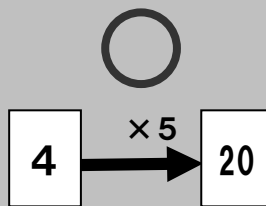
- 10 has already been used
- Each number can only be used once

**! Caution !** You don't always need to use every number

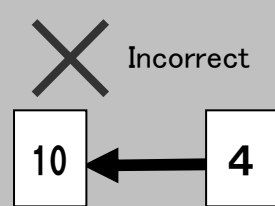
The number at the end of each arrow is a multiple of the number at the beginning



• 10 is a multiple of 5



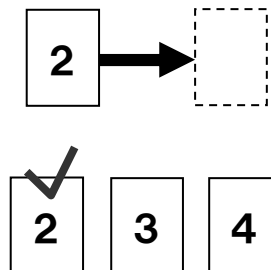
• 20 is a multiple of 4



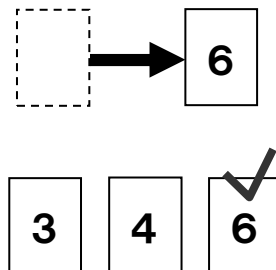
• 10 is not a multiple of 4

# 倍数リンク - Baisū Rinku - Multiple Link

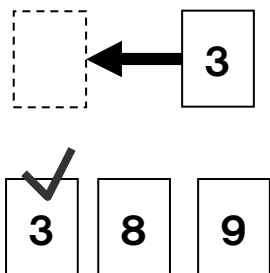
(1)



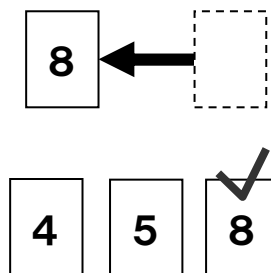
(2)



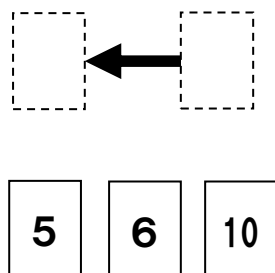
(3)



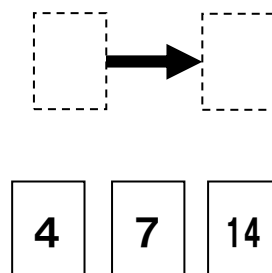
(4)



(5)

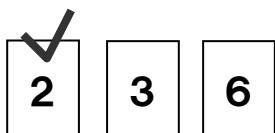
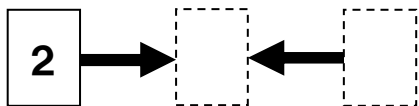


(6)

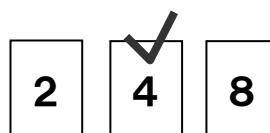
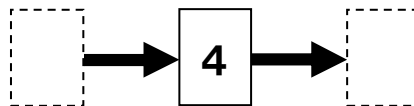


# 倍数リンク - Baisū Rinku - Multiple Link

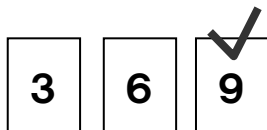
(7)



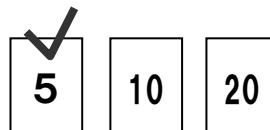
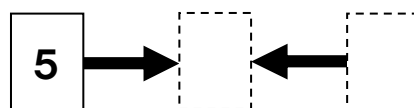
(8)



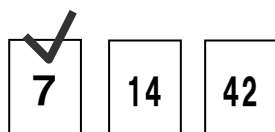
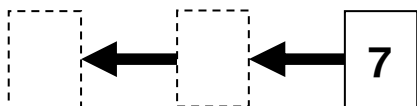
(9)



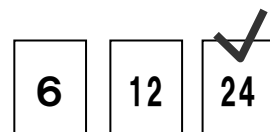
(10)



(11)

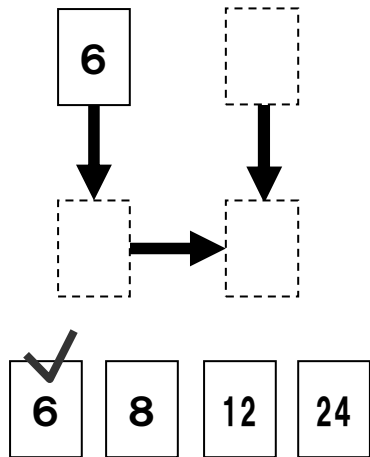


(12)

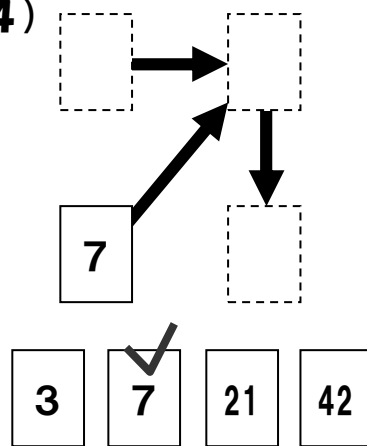


# 倍数リンク - Baisū Rinku - Multiple Link

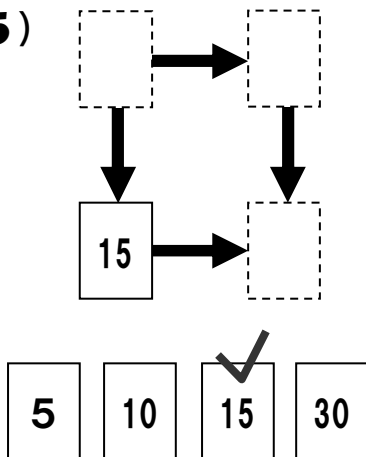
(13)



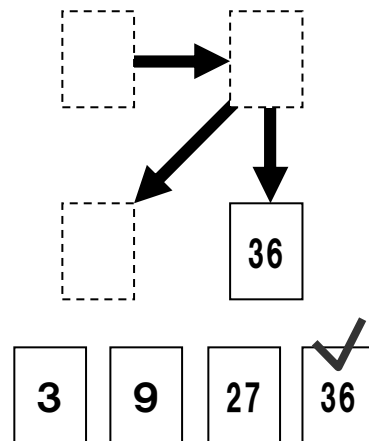
(14)



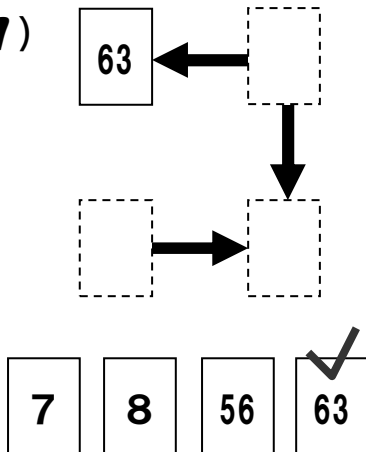
(15)



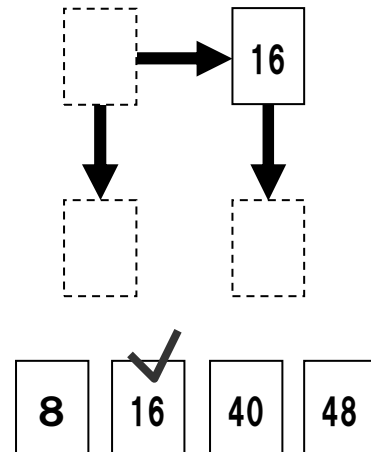
(16)



(17)

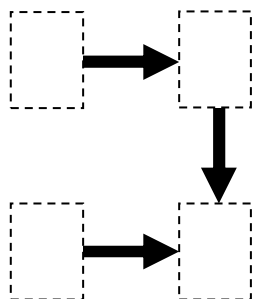


(18)



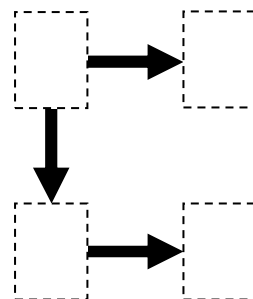
# 倍数リンク - Baisū Rinku - Multiple Link

(19)



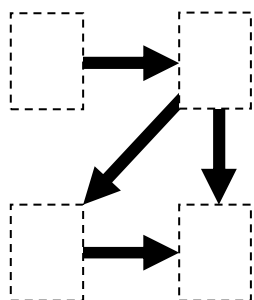
5	8	20	40
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(20)



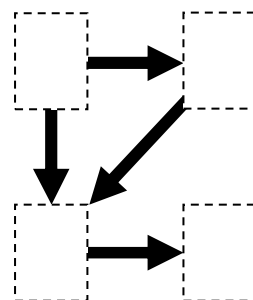
3	12	27	36
---	----	----	----

(21)



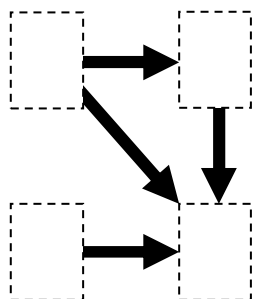
8	16	32	64
---	----	----	----

(22)



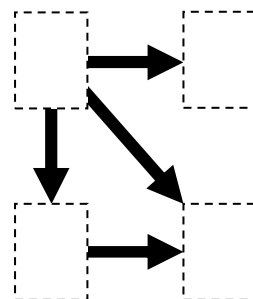
9	18	36	72
---	----	----	----

(23)



6	8	36	72
---	---	----	----

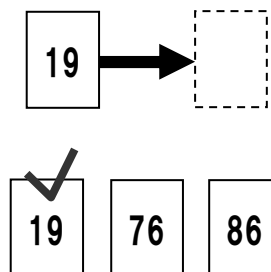
(24)



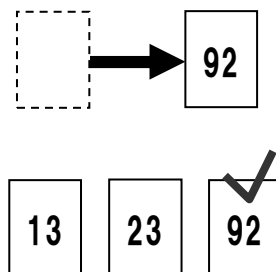
7	14	42	49
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# 倍数リンク - Baisū Rinku - Multiple Link

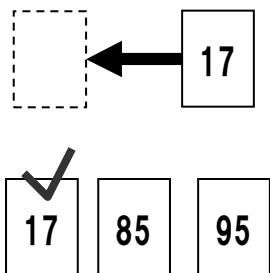
(25)



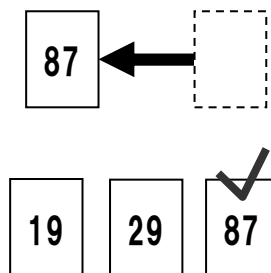
(26)



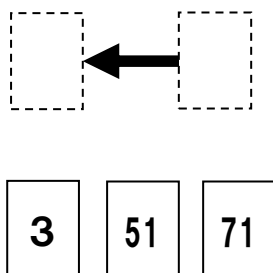
(27)



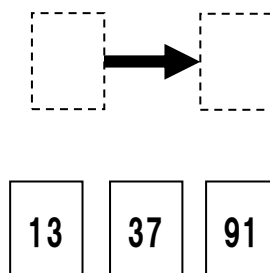
(28)



(29)

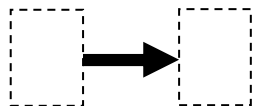


(30)

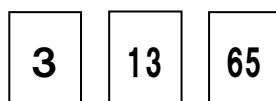
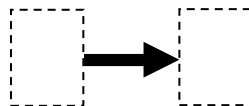


# 倍数リンク - Baisū Rinku - Multiple Link

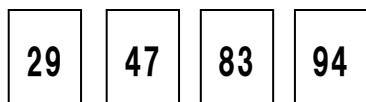
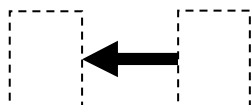
(31)



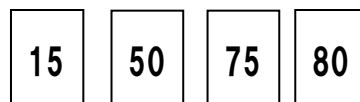
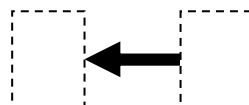
(32)



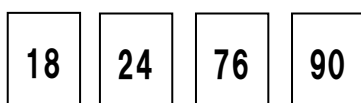
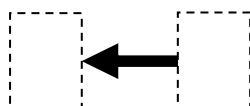
(33)



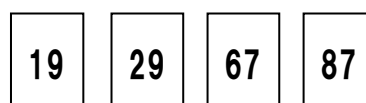
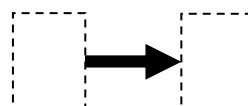
(34)



(35)



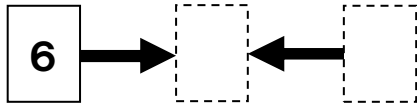
(36)





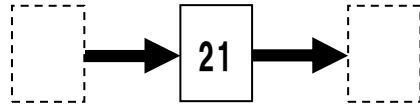
# 倍数リンク - Baisū Rinku - Multiple Link

(37)



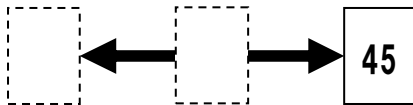
- 6   10   20   30

(38)



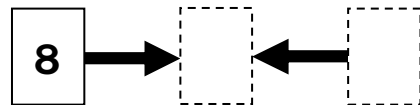
- 7    21   49   63

(39)



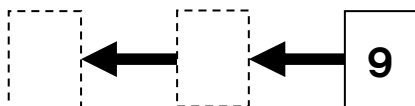
- 15   35    45   60

(40)



- 8   16   24   32

(41)



- 9   27   54   72

(42)



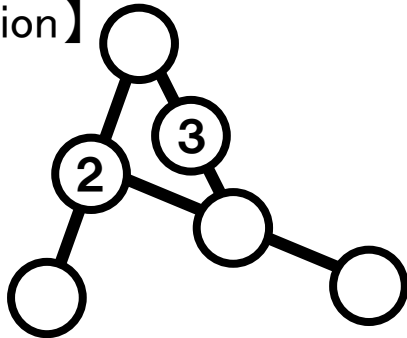
- 12   16   84    96

# 数字の階段 – Sūji no Kaidan – Number Staircase

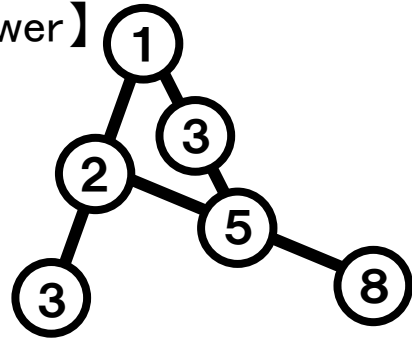
Write a number in each empty circle

- Each row can't have the same number more than once or a zero
- The numbers in each row increase by the same amount each time

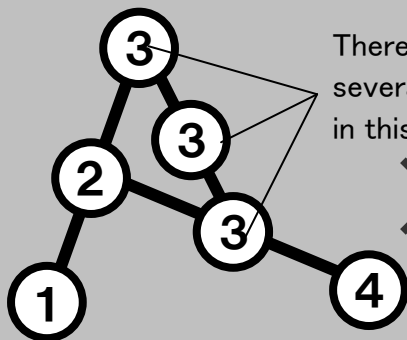
【Question】



【Answer】



Each row can't have the same number more than once

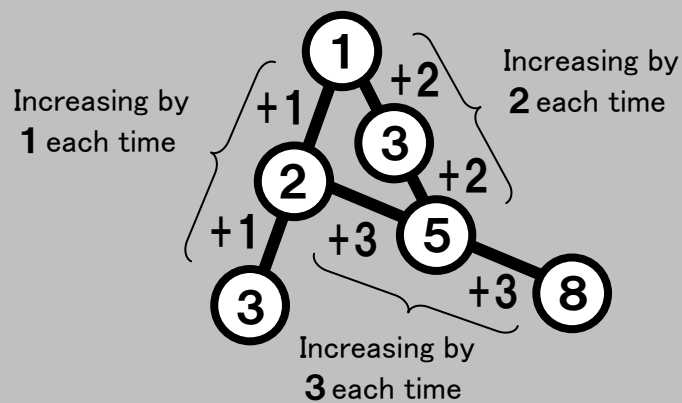


There are several 3s in this row

! Caution !

0 cannot be used but you can use two digit numbers

The numbers in each row increase by the same amount each time

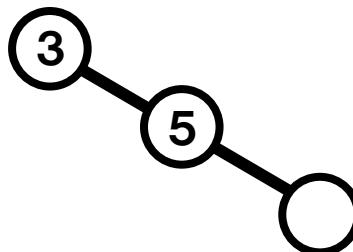


# 数字の階段 - Sūji no Kaidan - Number Staircase

(1)



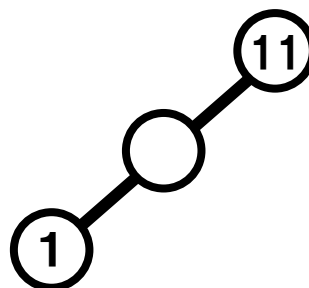
(2)



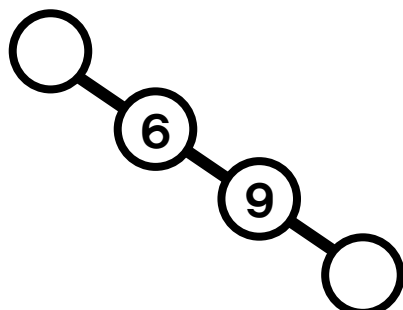
(3)



(4)



(5)

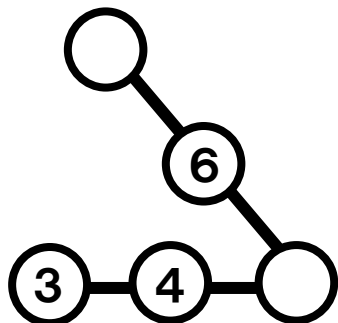


(6)

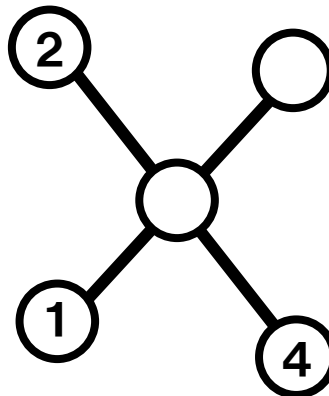


# 数字の階段 - Sūji no Kaidan - Number Staircase

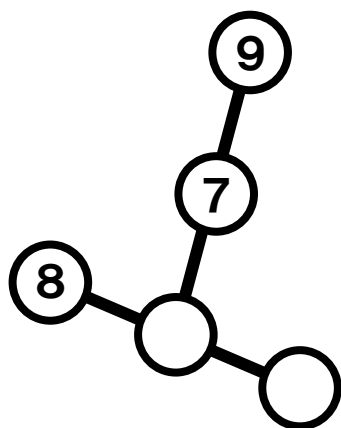
(7)



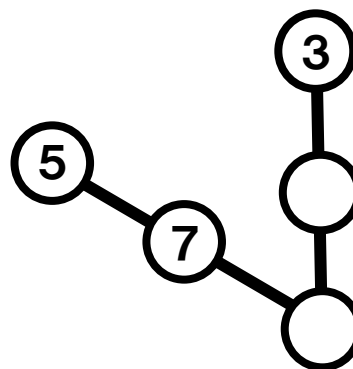
(8)



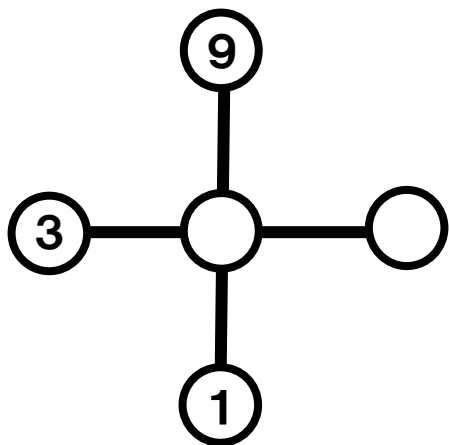
(9)



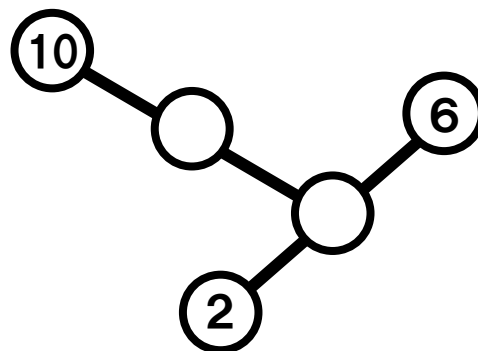
(10)



(11)

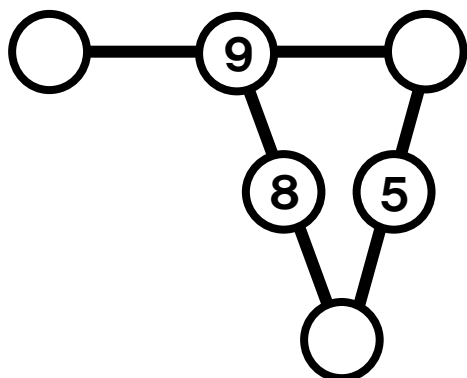


(12)

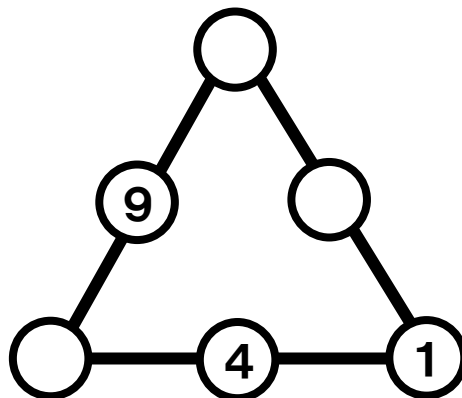


# 数字の階段 – Sūji no Kaidan – Number Staircase

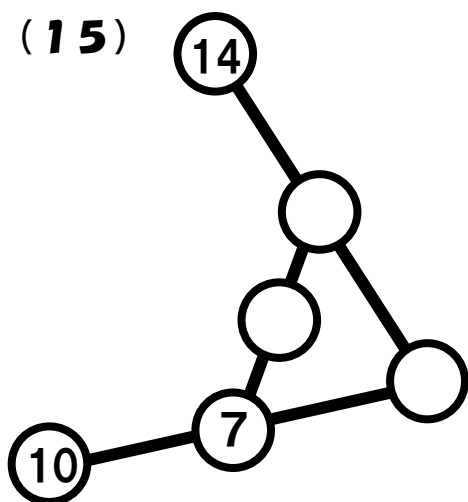
(13)



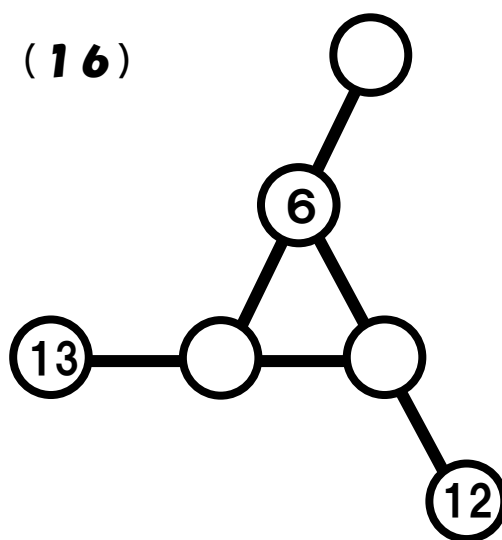
(14)



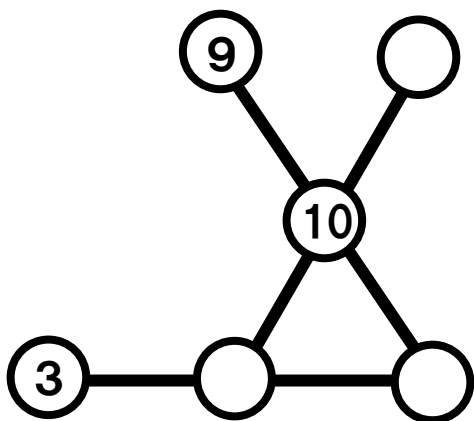
(15)



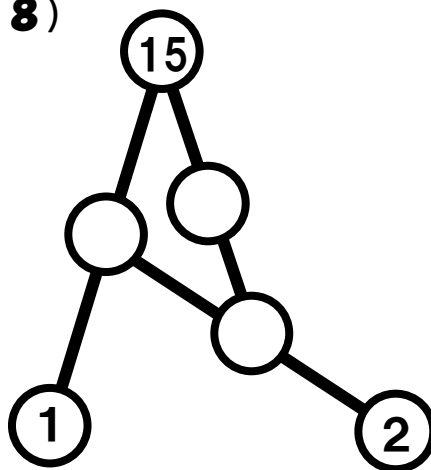
(16)



(17)

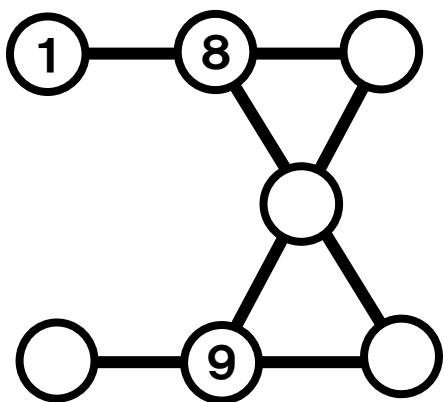


(18)

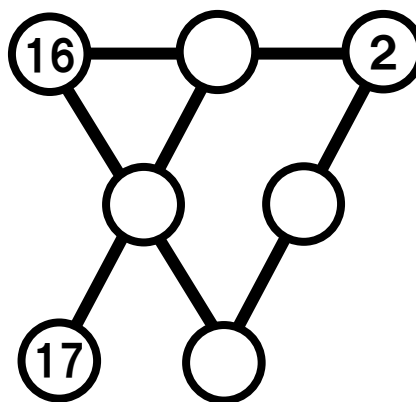


# 数字の階段 - Sūji no Kaidan - Number Staircase

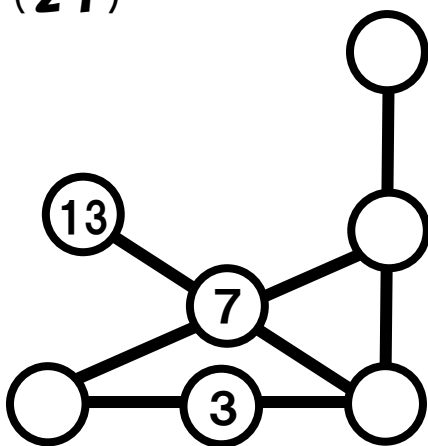
(19)



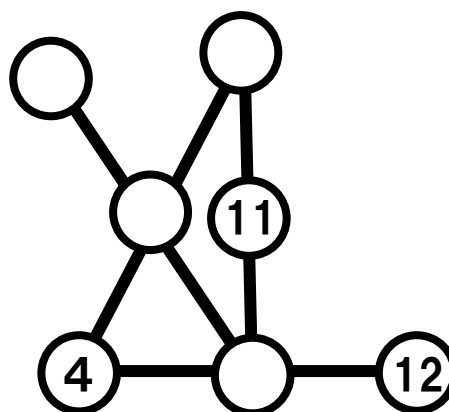
(20)



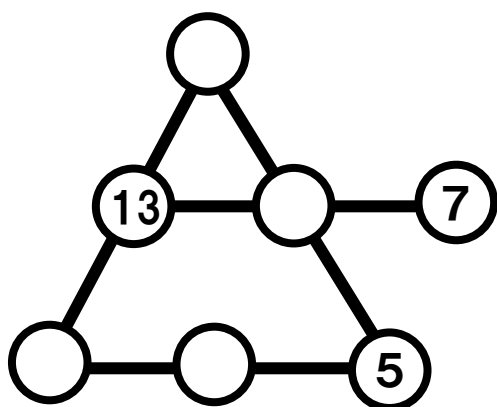
(21)



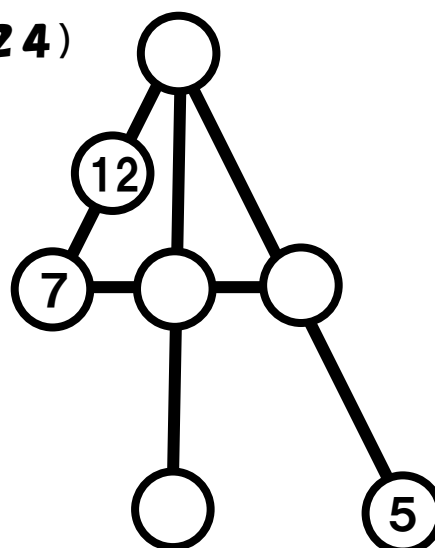
(22)



(23)

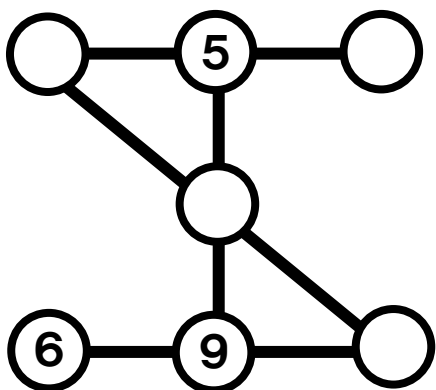


(24)

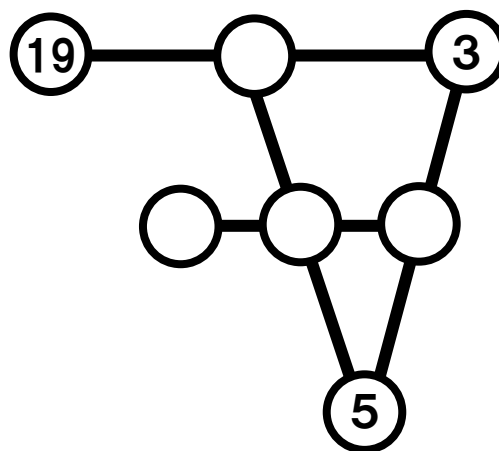


# 数字の階段 – Sūji no Kaidan – Number Staircase

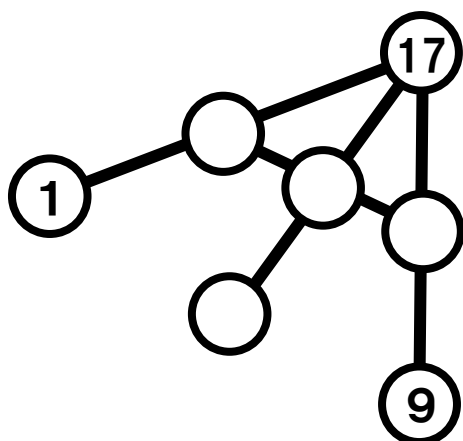
(25)



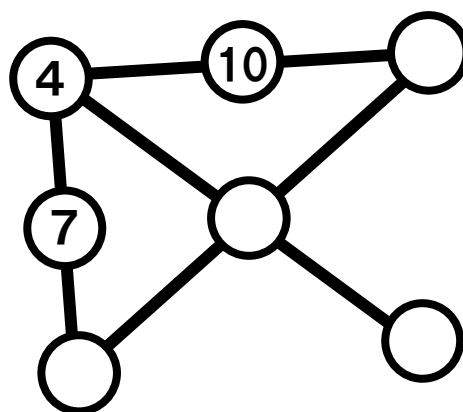
(26)



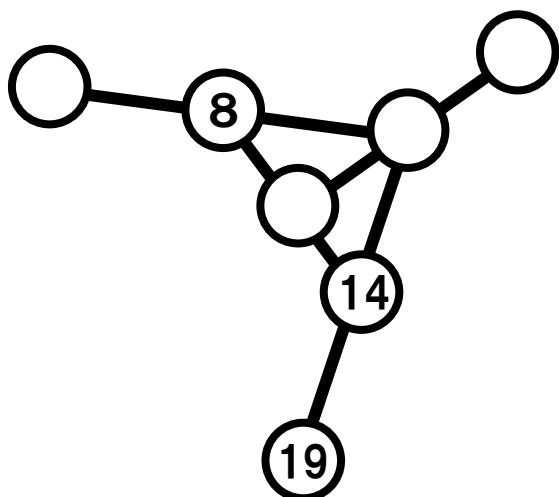
(27)



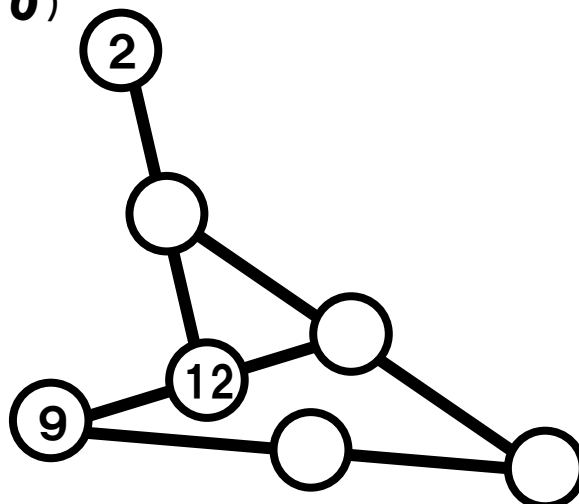
(28)



(29)



(30)

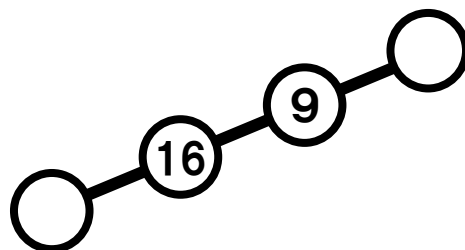


# 数字の階段 – Sūji no Kaidan – Number Staircase

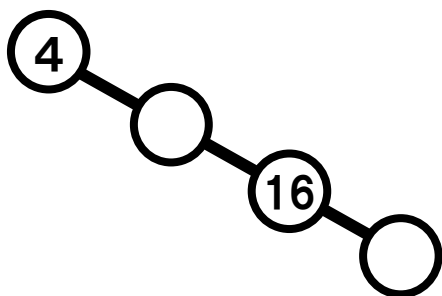
(31)



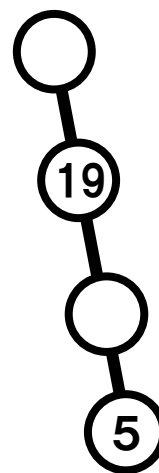
(32)



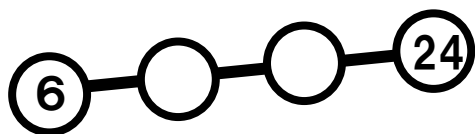
(33)



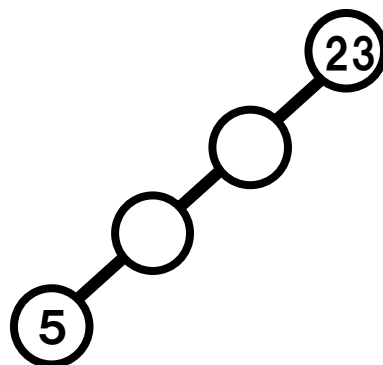
(34)



(35)



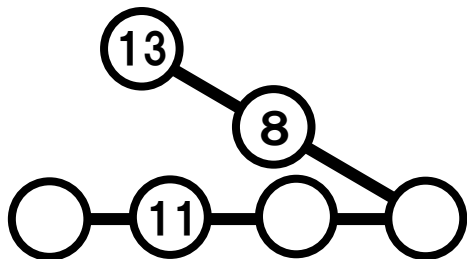
(36)



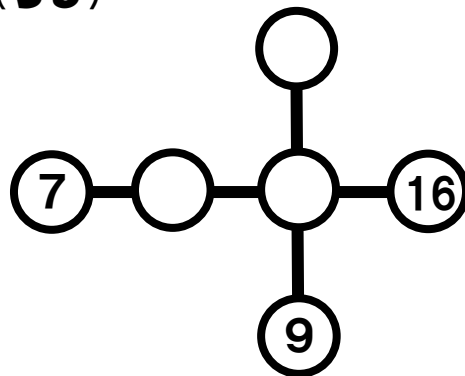


# 数字の階段 – Sūji no Kaidan – Number Staircase

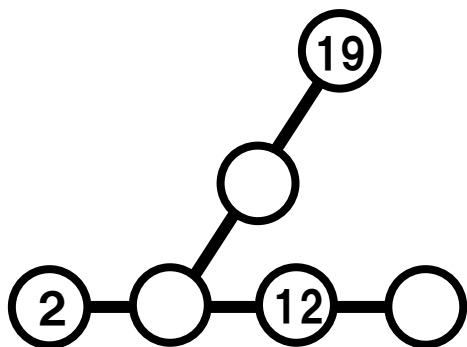
(37)



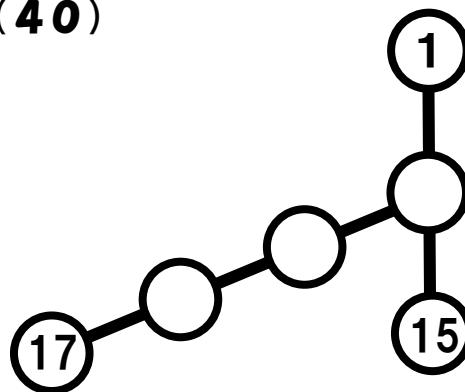
(38)



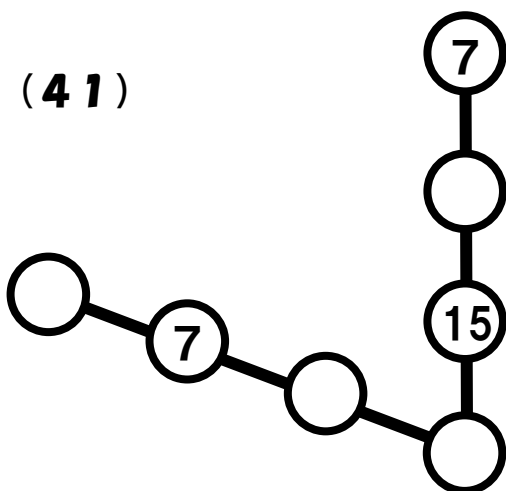
(39)



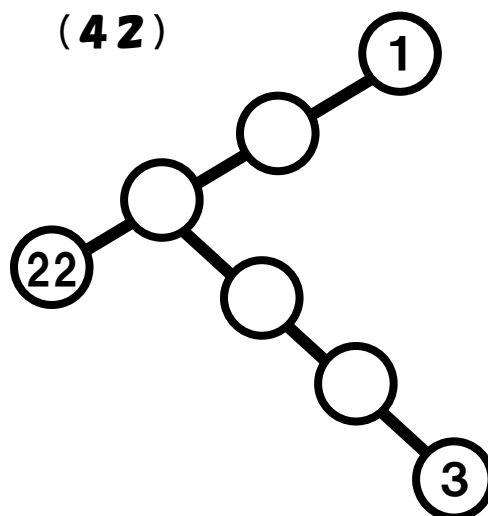
(40)



(41)



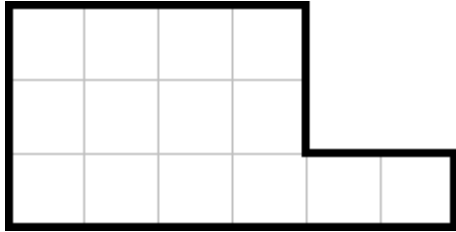
(42)



# 四角カット - Shikaku Katto - Quadrilateral Cut

Divide the shape up into rectangles which have areas matching the numbers below

【Question】

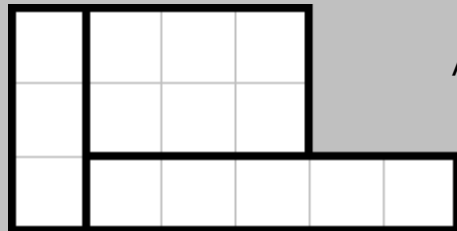


3, 5, 6

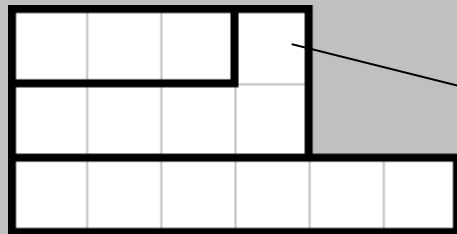
【Answer】



Divide the shape up into rectangles



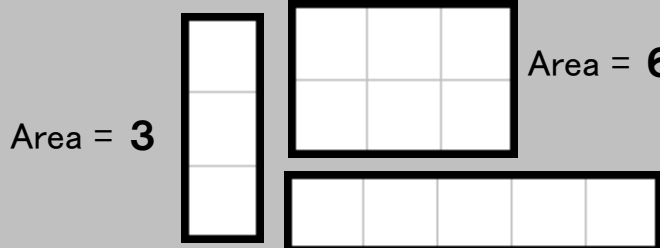
All are rectangles



This is not a rectangle



The rectangles have areas matching the numbers



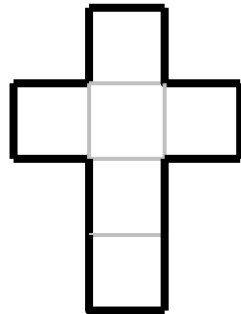
3, 5, 6



Area = 5

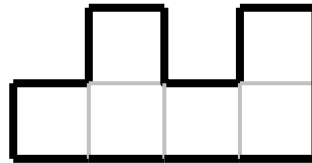
# 四角カット - Shikaku Katto - Quadrilateral Cut

(1)



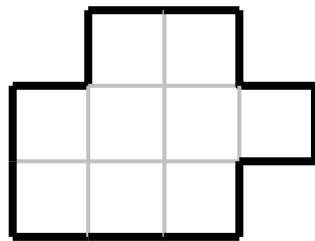
1, 2, 3

(2)



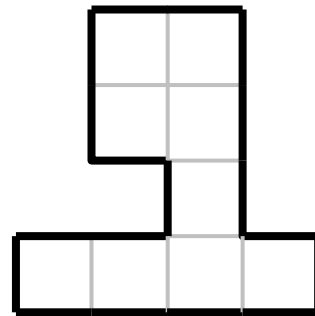
1, 2, 3

(3)



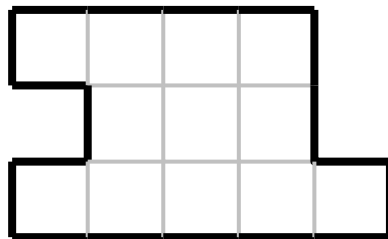
2, 3, 4

(4)



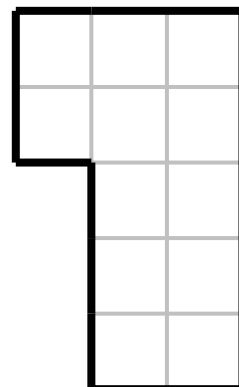
2, 3, 4

(5)



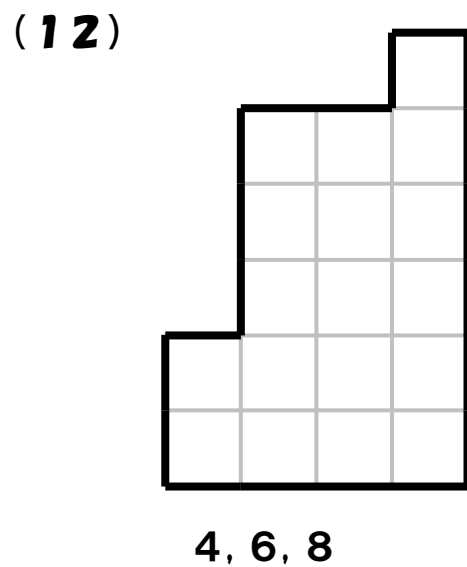
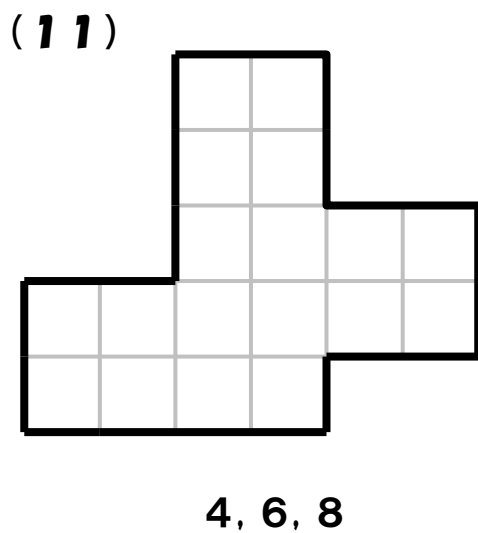
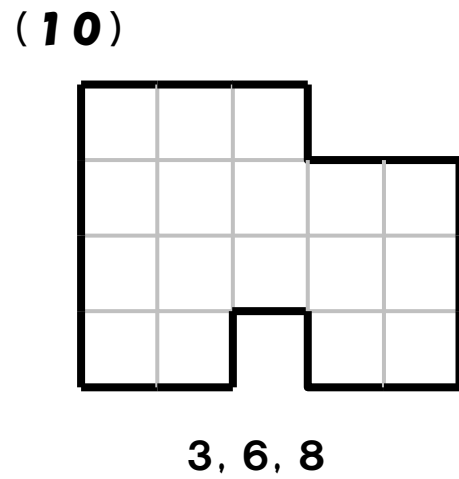
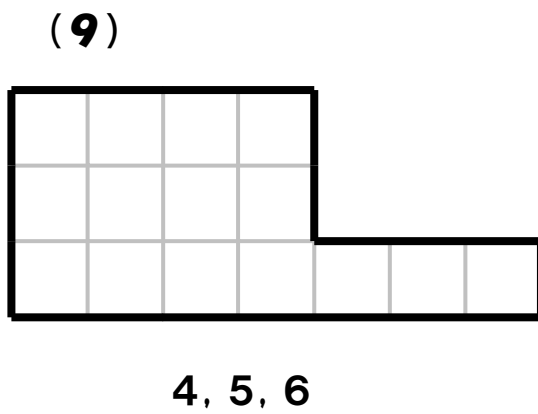
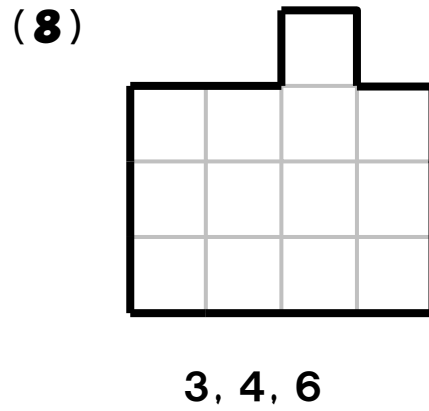
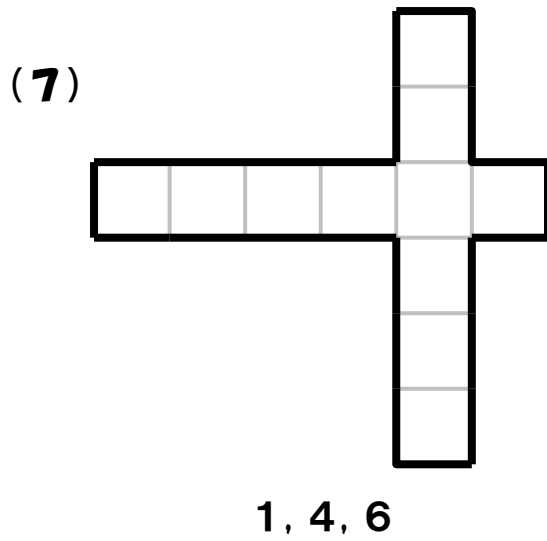
3, 4, 5

(6)



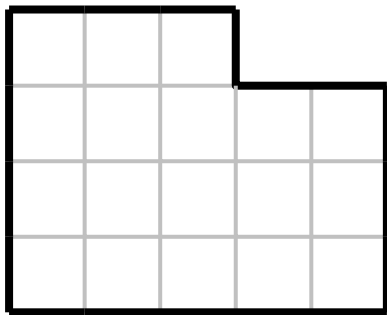
3, 4, 5

# 四角カット - Shikaku Katto - Quadrilateral Cut



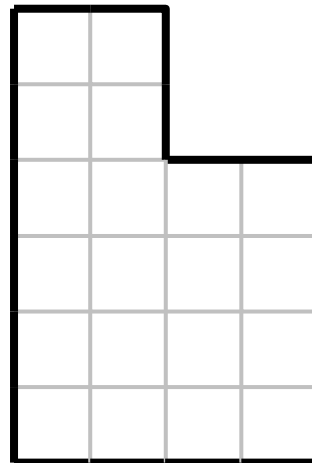
# 四角カット - Shikaku Katto - Quadrilateral Cut

(13)



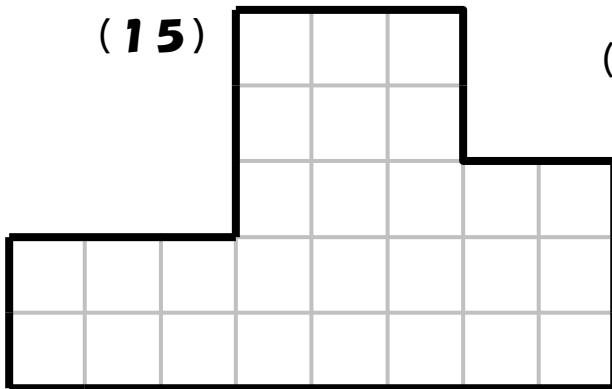
1, 8, 9

(14)



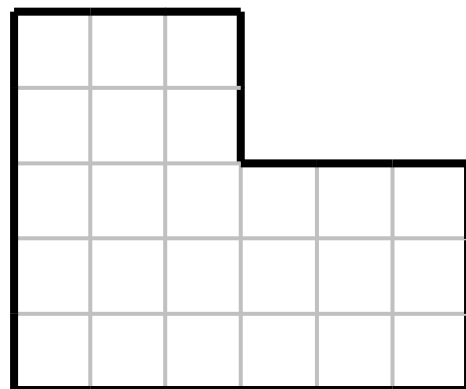
4, 6, 10

(15)



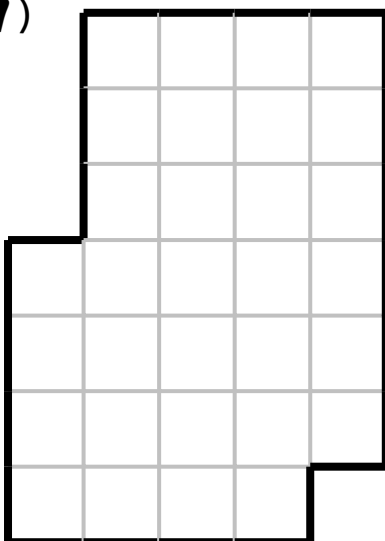
6, 9, 12

(16)



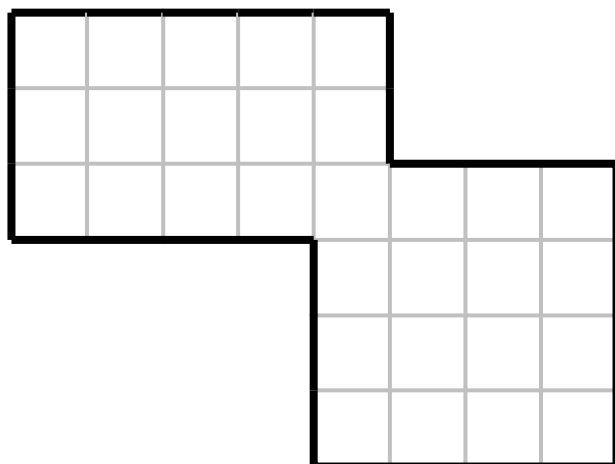
4, 5, 15

(17)



3, 12, 16

(18)

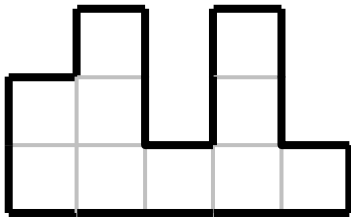


8, 10, 12



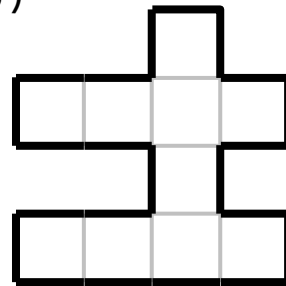
# 四角カット - Shikaku Katto - Quadrilateral Cut

(25)



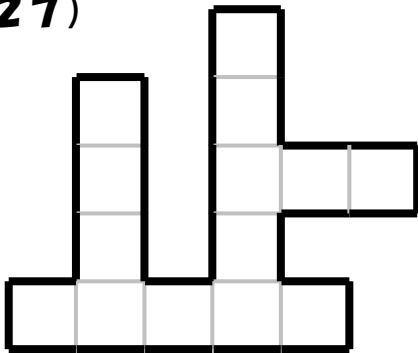
1, 2, 3, 4

(26)



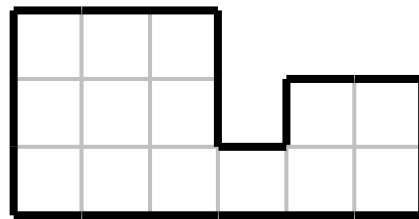
1, 2, 3, 4

(27)



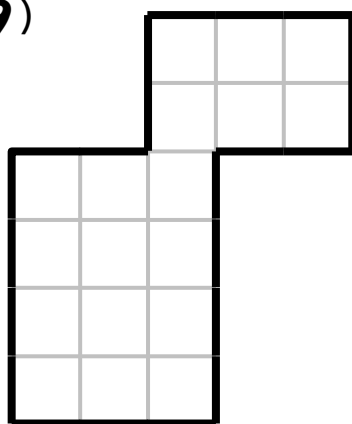
2, 3, 4, 5

(28)



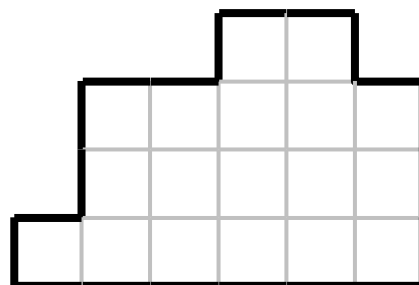
2, 3, 4, 5

(29)



3, 4, 5, 6

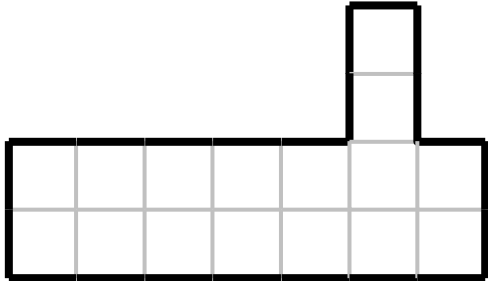
(30)



3, 4, 5, 6

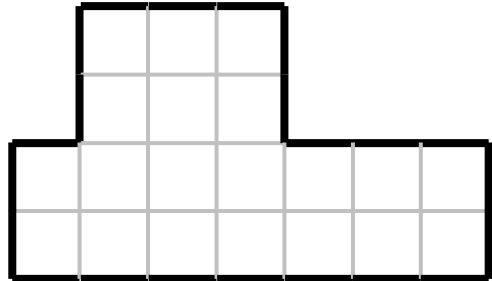
# 四角カット - Shikaku Katto - Quadrilateral Cut

(31)



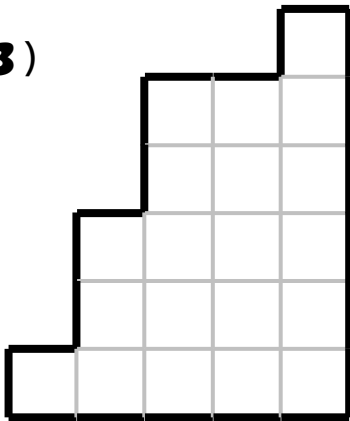
1, 3, 5, 7

(32)



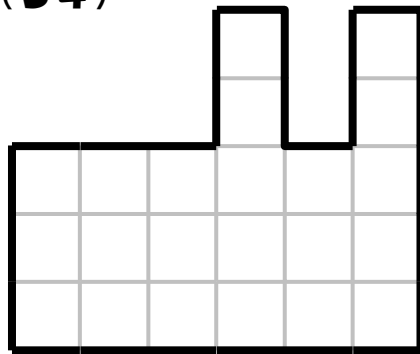
1, 4, 6, 9

(33)



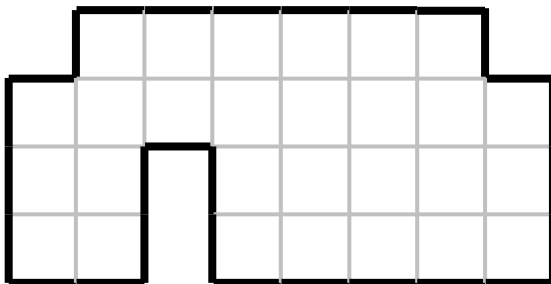
2, 4, 6, 8

(34)



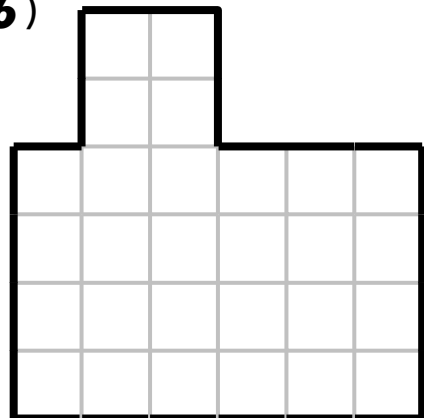
2, 4, 6, 10

(35)



4, 6, 8, 10

(36)

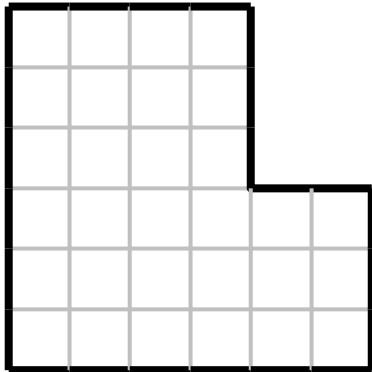


3, 6, 9, 10



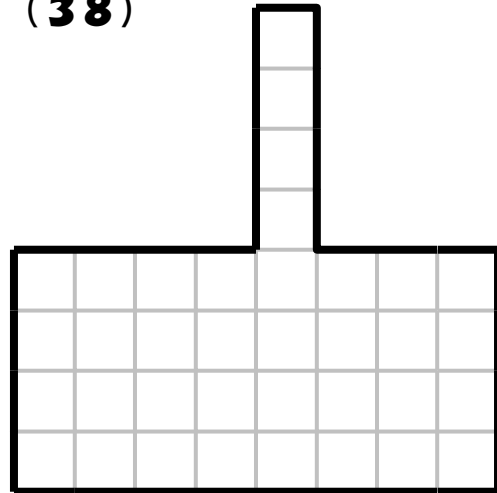
# 四角カッタ - Shikaku Katto - Quadrilateral Cut

(37)



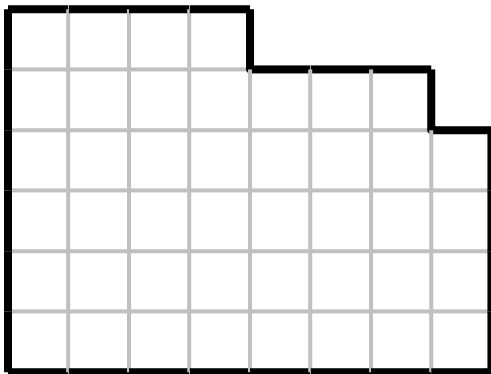
1, 8, 9, 12

(38)



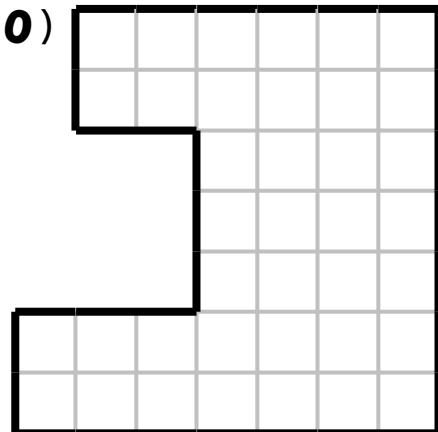
6, 8, 10, 12

(39)



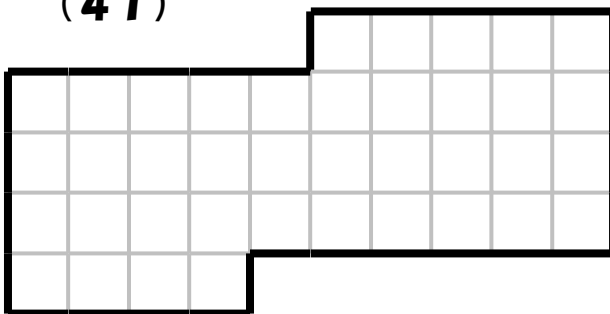
4, 9, 14, 16

(40)



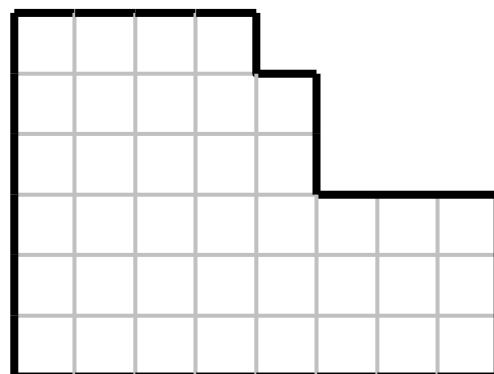
3, 6, 14, 15

(41)



6, 8, 10, 15

(42)

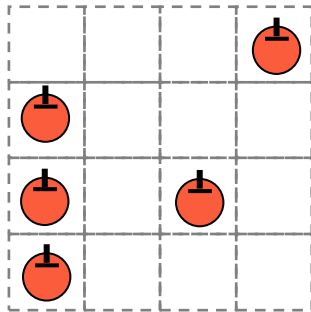


3, 4, 15, 16

# かずさがし - Kazu Sagashi - Quantity Search

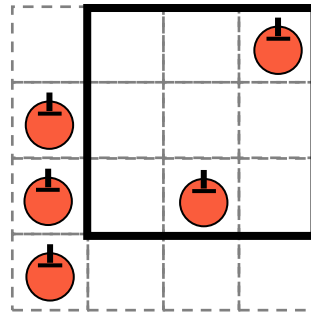
- Use a **3** by **3** square to contain exactly the fruit listed

【Question】

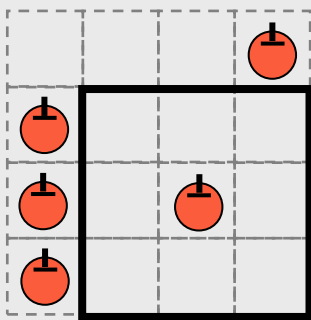


Apples = **2**

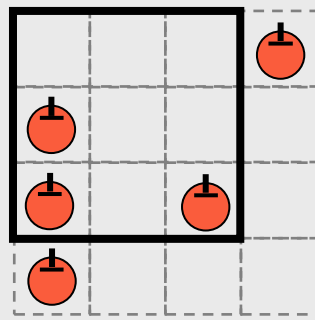
【Answer】



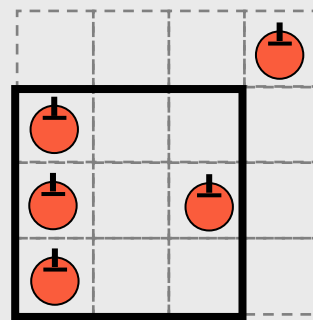
Contain exactly the fruit listed



Apples = **1**

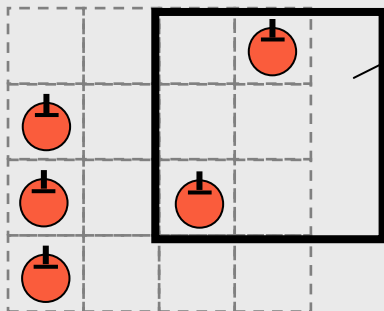


Apples = **3**



Apples = **4**

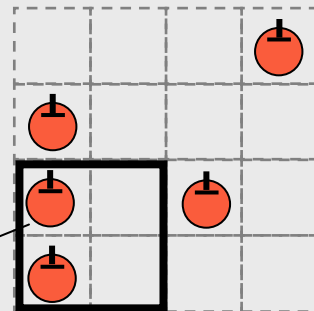
! Caution !



Don't go  
outside  
the grid



The square  
is smaller  
than allowed

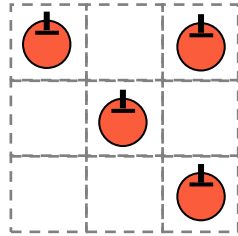


# かずさがし – Kazu Sagashi – Quantity Search

- Use a 2 by 2 square to contain exactly the fruit listed

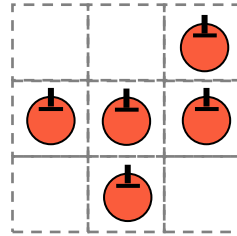
(1)

Apples = 1



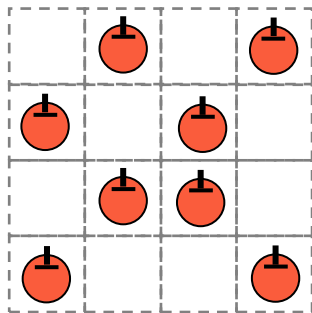
(2)

Apples = 2



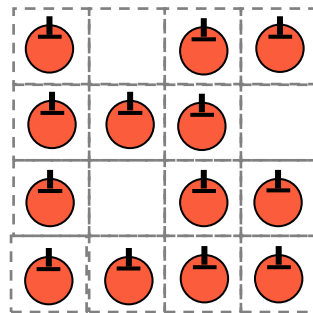
(3)

Apples = 3



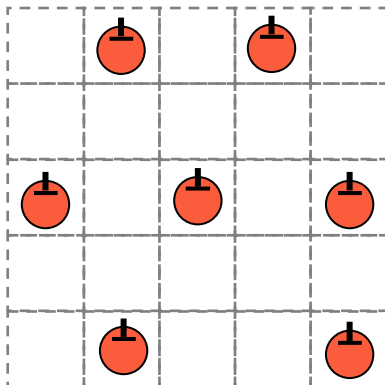
(4)

Apples = 4



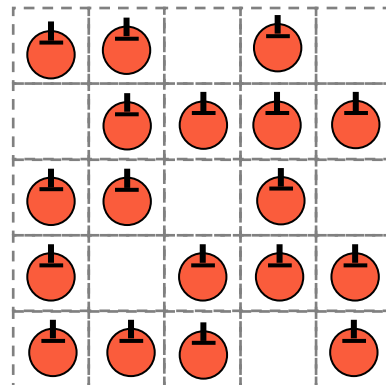
(5)

Apples = 0



(6)

Apples = 2

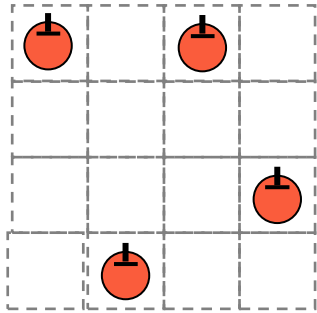


# かずさがし – Kazu Sagashi – Quantity Search

- Use a 3 by 3 square to contain exactly the fruit listed

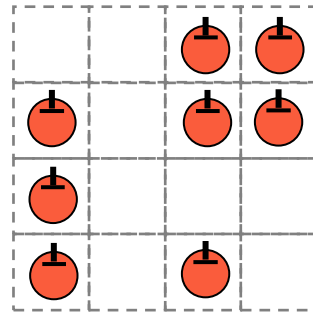
(7)

Apples = 1



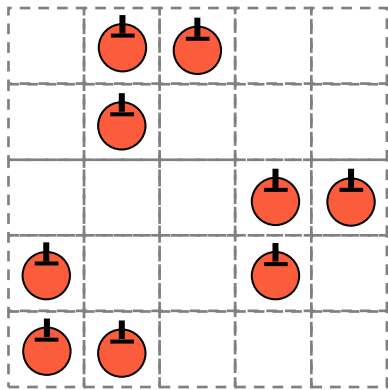
(8)

Apples = 3



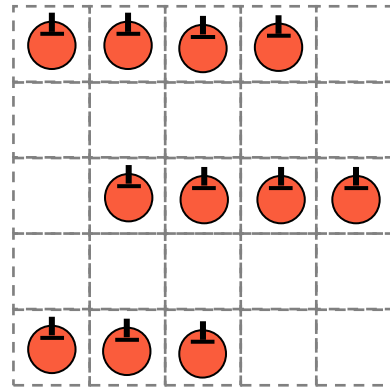
(9)

Apples = 2



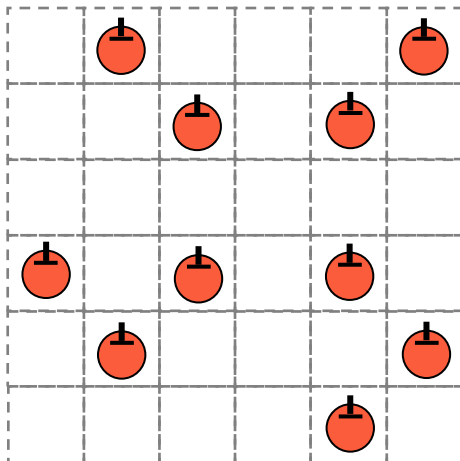
(10)

Apples = 4



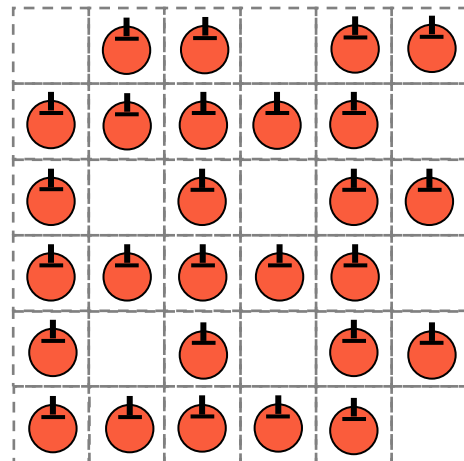
(11)

Apples = 4



(12)

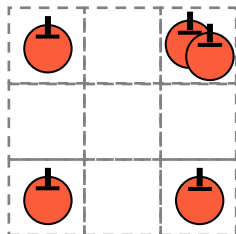
Apples = 5



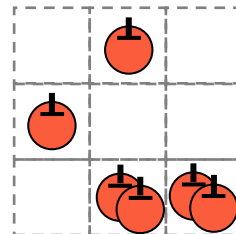
# かずさがし – Kazu Sagashi – Quantity Search

• Use a 2 by 2 square to contain exactly the fruit listed

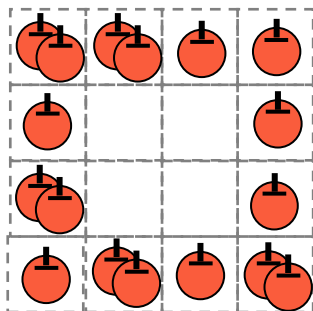
(13) Apples = 2



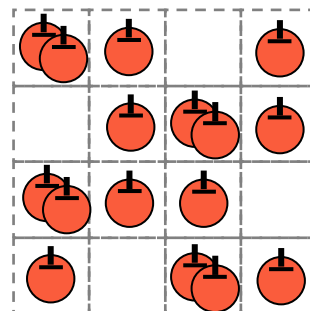
(14) Apples = 3



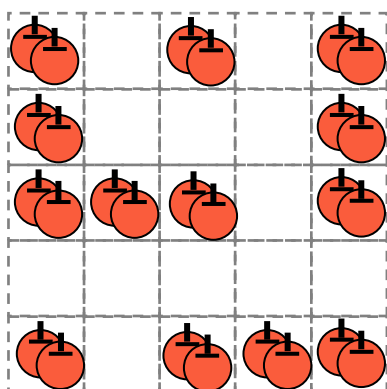
(15) Apples = 4



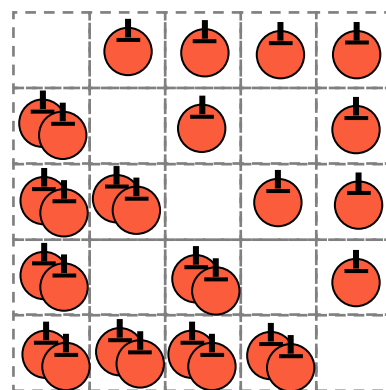
(16) Apples = 5



(17) Apples = 6



(18) Apples = 4

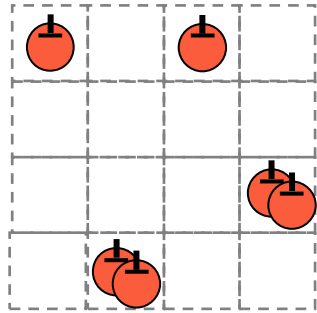


# かずさがし - Kazu Sagashi - Quantity Search

- Use a 3 by 3 square to contain exactly the fruit listed

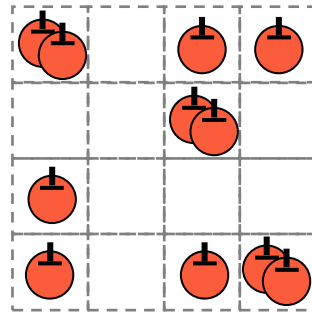
(19)

Apples = 3



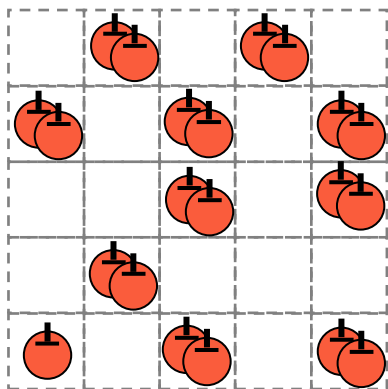
(20)

Apples = 6



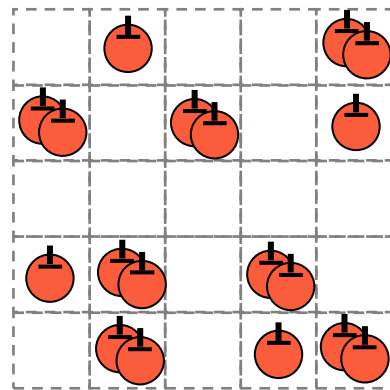
(21)

Apples = 7



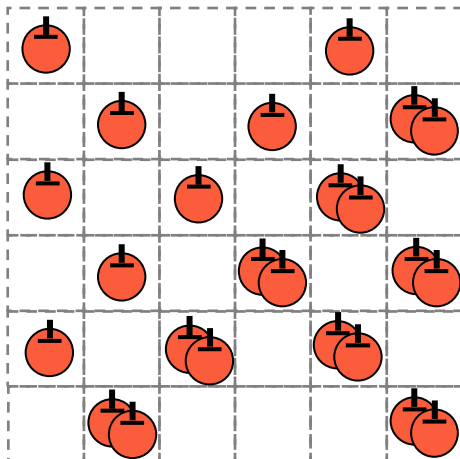
(22)

Apples = 6



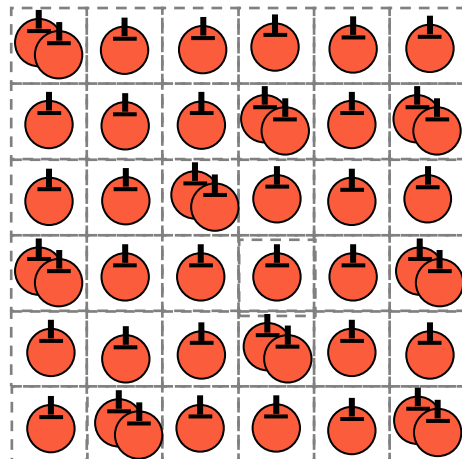
(23)

Apples = 5



(24)

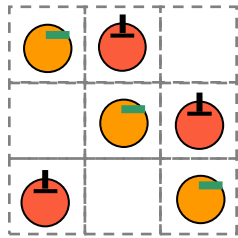
Apples = 10



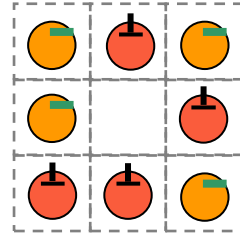
# かずさがし – Kazu Sagashi – Quantity Search

- Use a 2 by 2 square to contain exactly the fruit listed

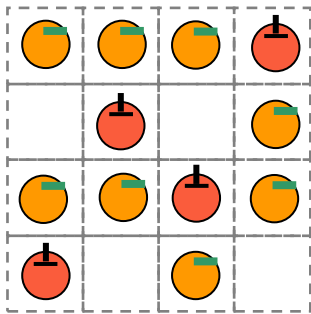
(25) Apples = Oranges



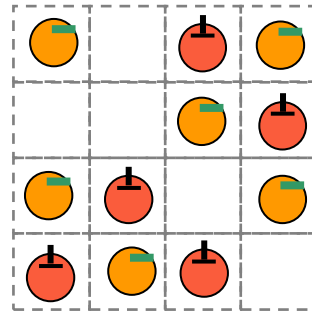
(26) Oranges > Apples



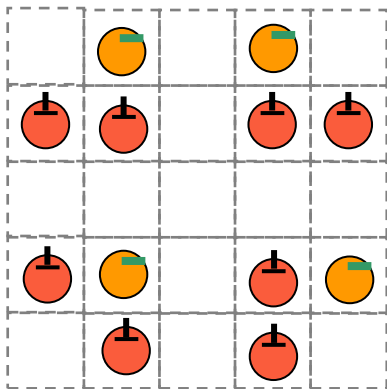
(27) Oranges < Apples



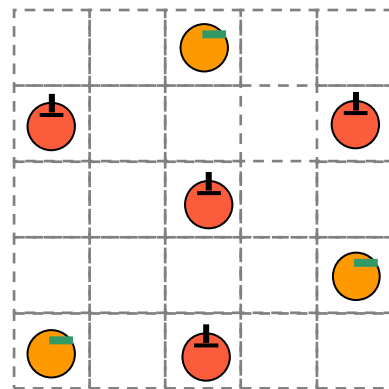
(28) Apples > Oranges



(29) Apples < Oranges



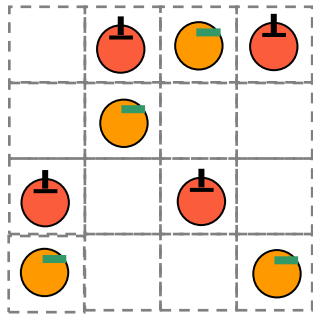
(30) Oranges = Apples



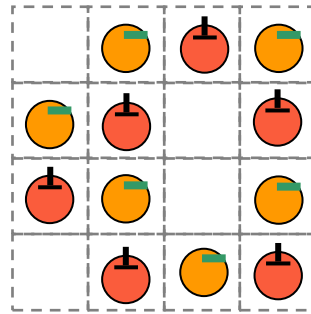
# かずさがし – Kazu Sagashi – Quantity Search

- Use a 3 by 3 square to contain exactly the fruit listed

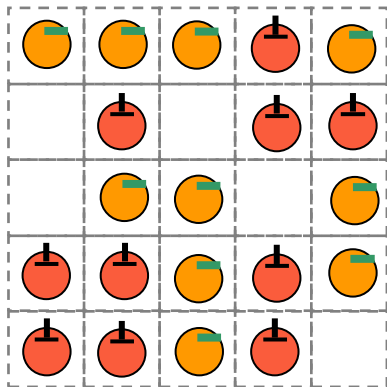
(31) Apples = Oranges



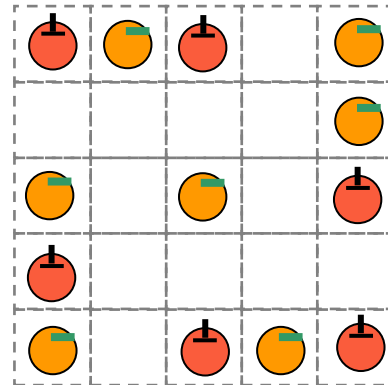
(32) Oranges > Apples



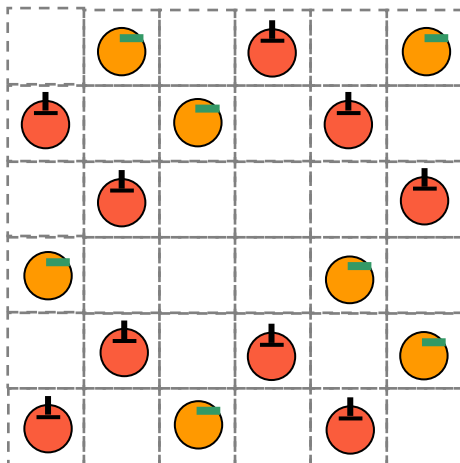
(33) Oranges < Apples



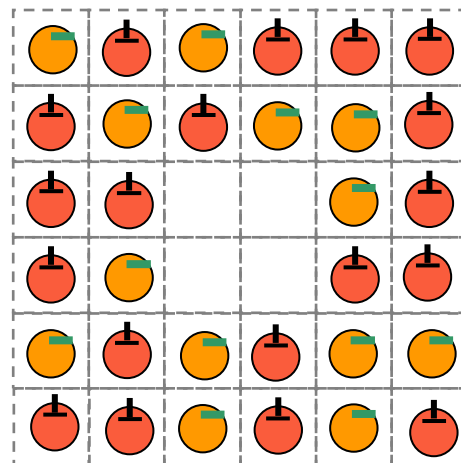
(34) Apples > Oranges



(35) Apples < Oranges



(36) Oranges = Apples

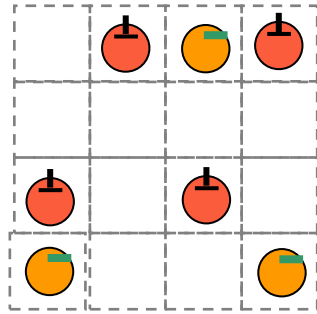




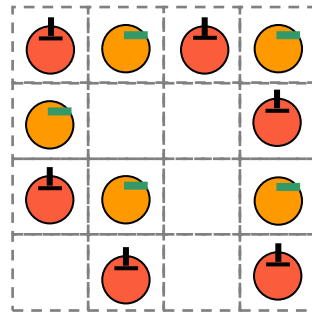
# かずさがし – Kazu Sagashi – Quantity Search

- Use a 3 by 3 square to contain exactly the fruit listed

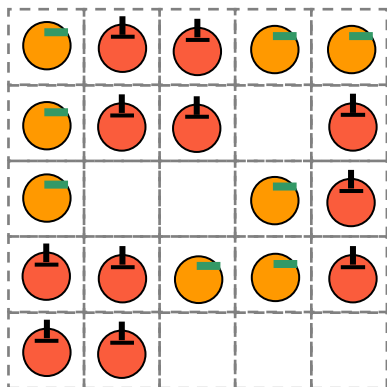
(37) Difference = 1



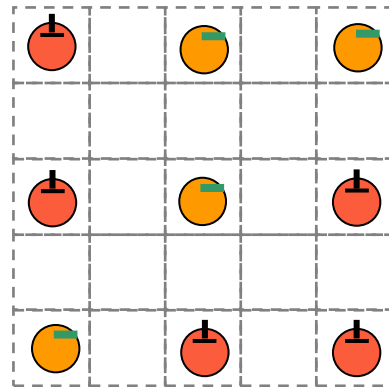
(38) Difference = 2



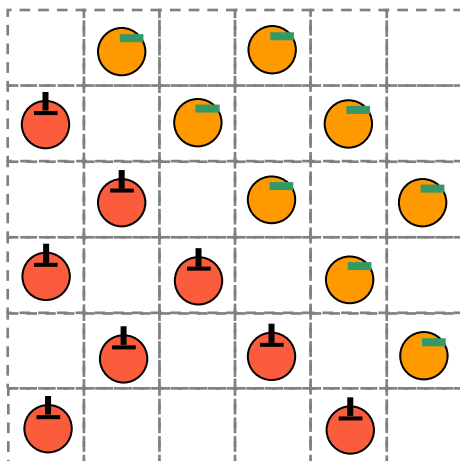
(39) Difference = 0



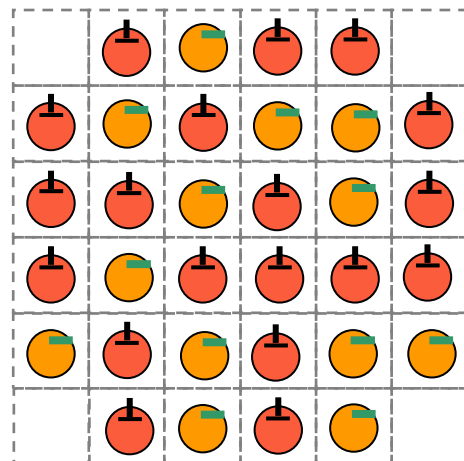
(40) Difference = 1



(41) Difference = 2



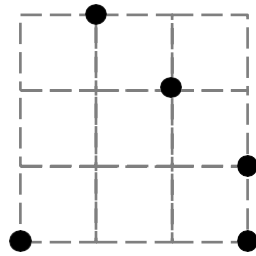
(42) Difference = 0



# 図形探し - Zukei Sagashi - Shape Search

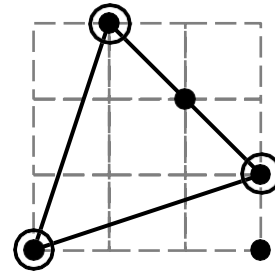
• Make the shape described using only the vertices given

【Question】



Isosceles Triangle

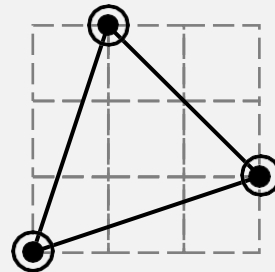
【Answer】



## Example Shapes

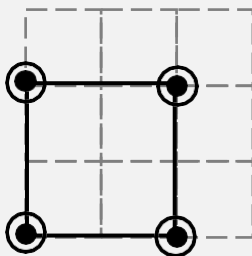
**Warning!**  
Shapes can be in any rotation.

### Isosceles Triangle



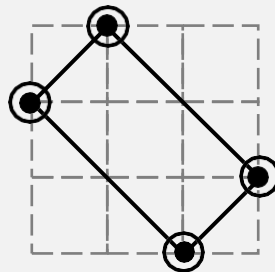
• Two equal sides

### Square



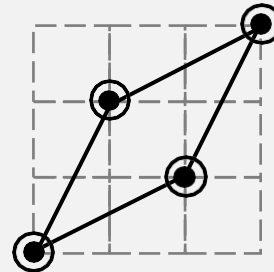
• Four equal sides  
• Four right-angles

### Rectangle



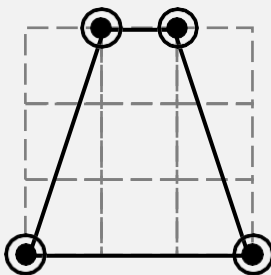
• Four right-angles

### Rhombus



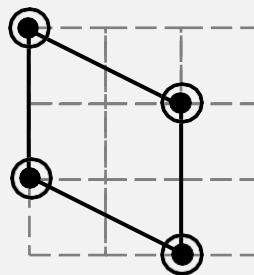
• Four equal sides

### Trapezium



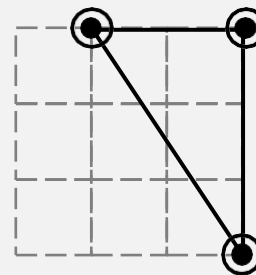
• One set of parallel sides

### Parallelogram



• Two sets of parallel sides

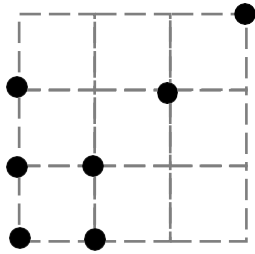
### Right-angled Triangle



• One right-angle

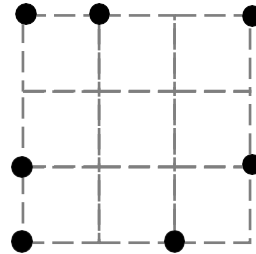
# 図形探し - Zukei Sagashi - Shape Search

(1)



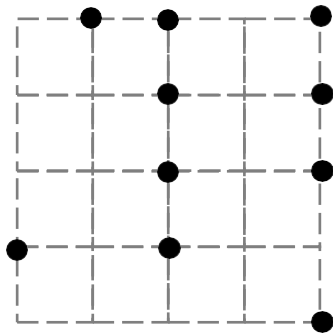
Square

(2)



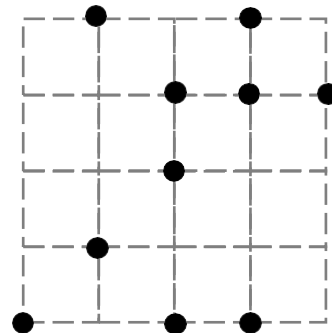
Rectangle

(3)



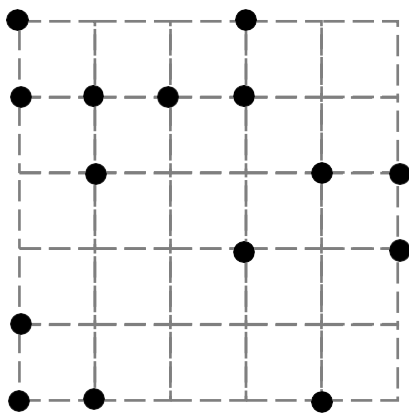
Square

(4)



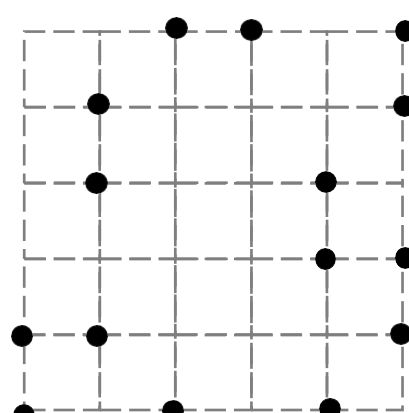
Rectangle

(5)



Square

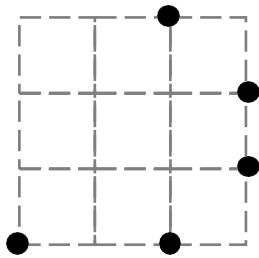
(6)



Rectangle

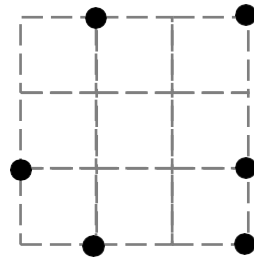
# 図形探し - Zukei Sagashi - Shape Search

(7)



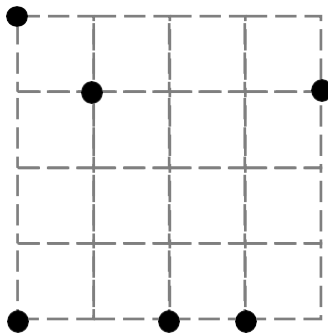
Right-angled  
Triangle

(8)



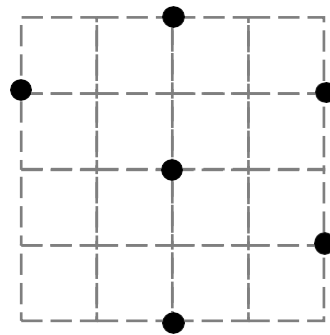
Right-angled  
Isosceles Triangle

(9)



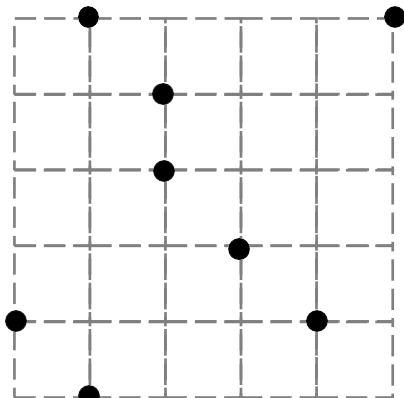
Isosceles Triangle

(10)



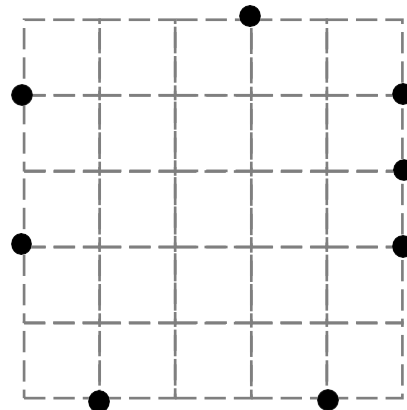
Right-angled Triangle

(11)



Right-angled  
Isosceles Triangle

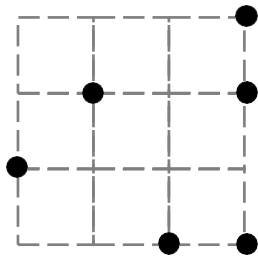
(12)



Isosceles Triangle

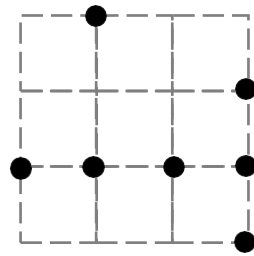
# 図形探し - Zukei Sagashi - Shape Search

(13)



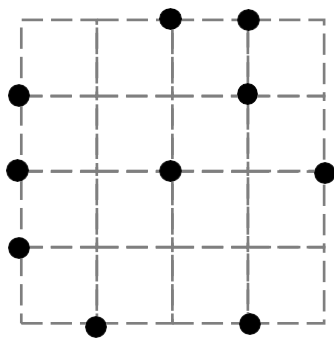
Trapezium

(14)



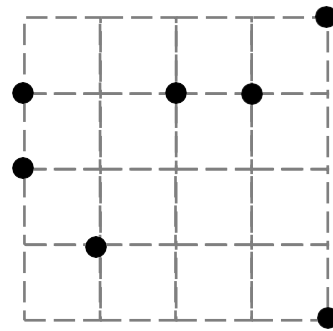
Parallelogram

(15)



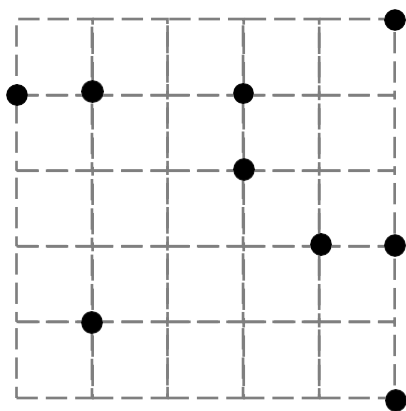
Rhombus

(16)



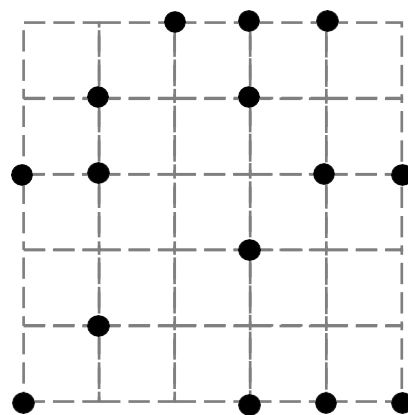
Trapezium

(17)



Parallelogram

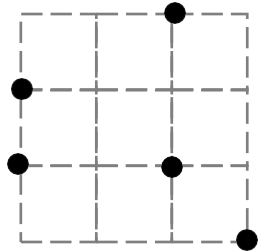
(18)



Rhombus

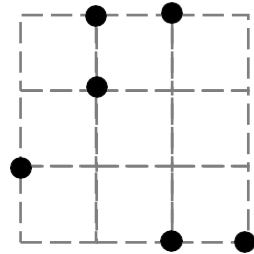
# 図形探し - Zukei Sagashi - Shape Search

(19)



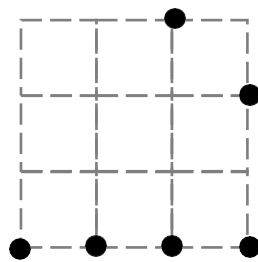
Right-angled  
Triangle

(20)



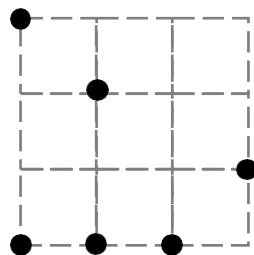
Parallelogram

(21)



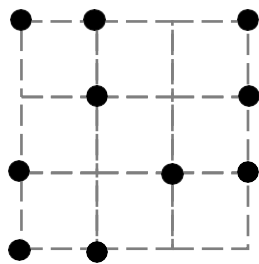
Right-angled  
Isosceles Triangle

(22)



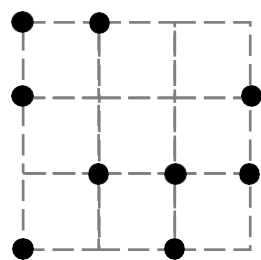
Trapezium

(23)



Square

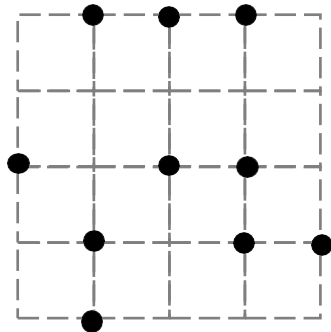
(24)



Rectangle

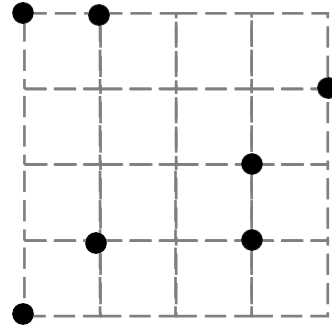
# 図形探し - Zukei Sagashi - Shape Search

(25)



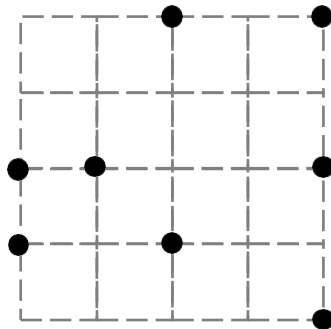
Rhombus

(26)



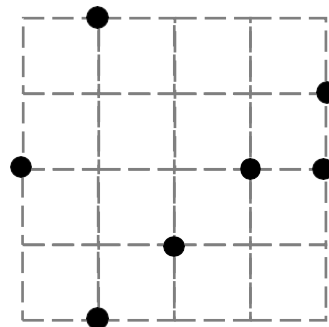
Isosceles Triangle

(27)



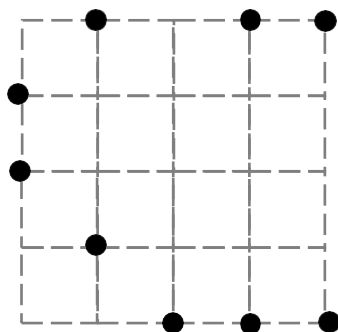
Parallelogram

(28)



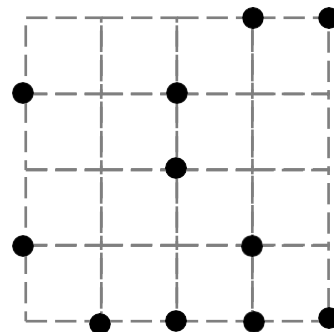
Trapezium

(29)



Right-angled  
Isosceles Triangle

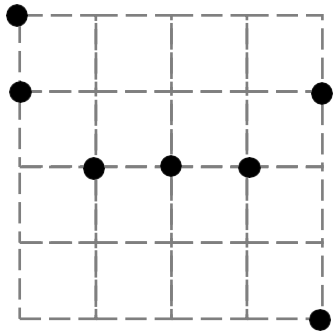
(30)



Rectangle

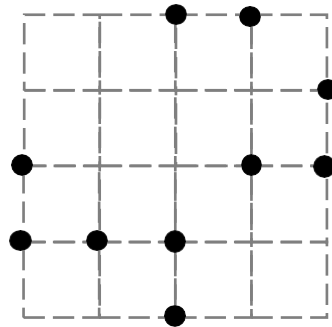
# 図形探し - Zukei Sagashi - Shape Search

(31)



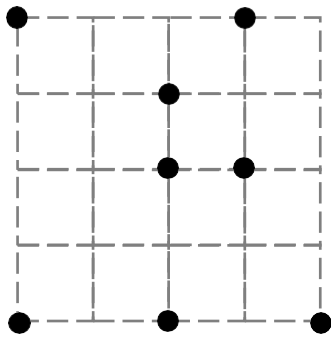
Isosceles Triangle

(32)



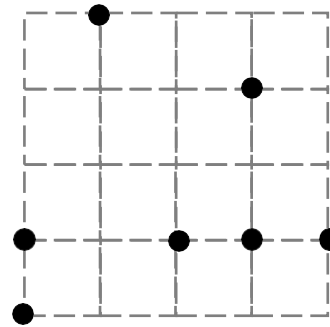
Square

(33)



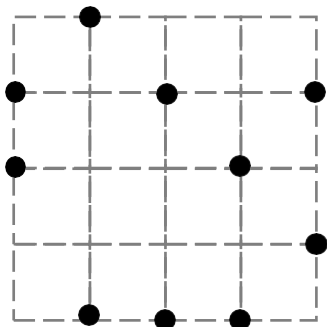
Parallelogram

(34)



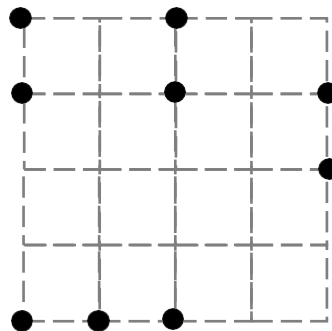
Trapezium

(35)



Rectangle

(36)

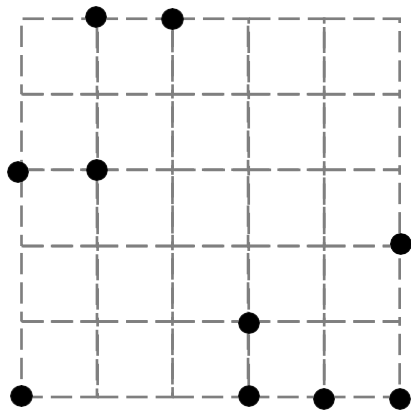


Right-angled  
Isosceles Triangle



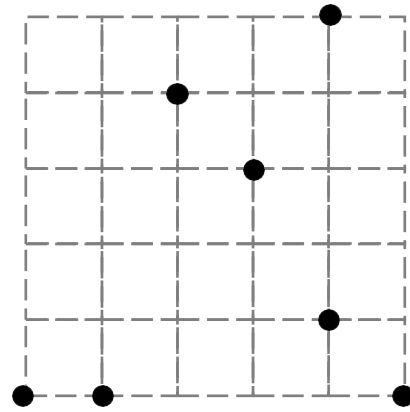
# 図形探し - Zukei Sagashi - Shape Search

(37)



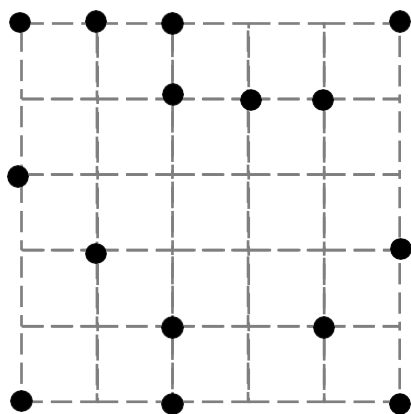
Rectangle

(38)



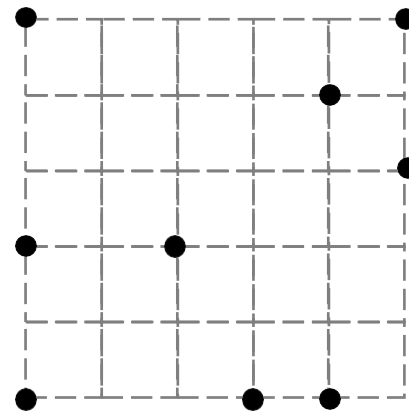
Right-angled Triangle

(39)



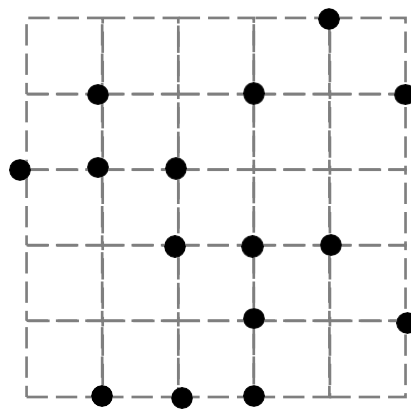
Square

(40)



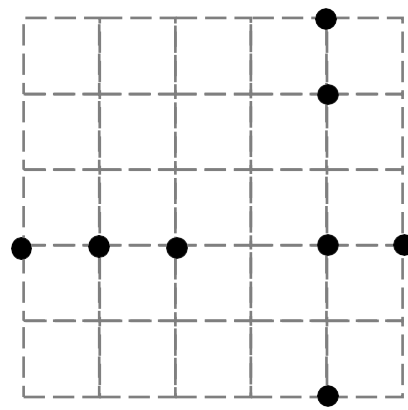
Parallelogram

(41)



Rhombus

(42)

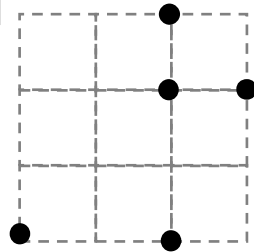


Trapezium

# 三角探し – Sankaku Sagashi – Triangle Search

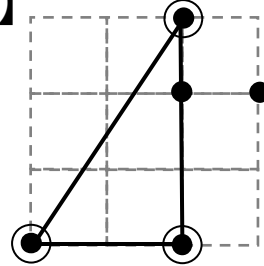
- Join together any three vertices to make a triangle with the area listed below

【Question】



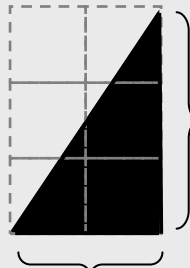
Area **3**

【Answer】



## Area of a Triangle

Method 1:  
Use the formula



Base **2**

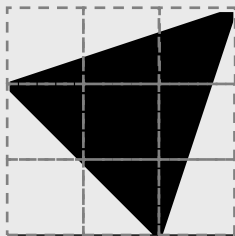
Height **3**

$$2 \times 3 \div 2 = 3$$

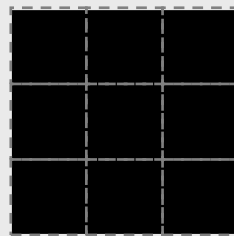
(Base  $\times$  Height  $\div 2 =$  Area)

## Area of a Triangle

Method 2:  
Subtract from total

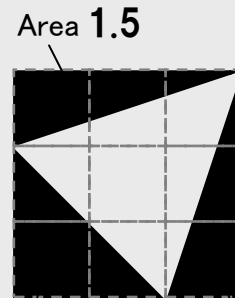


=



Area **9**

-



Area **1.5**

Area **2**

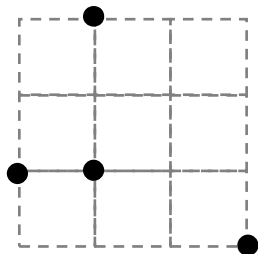
Area **1.5**

Subtract the surrounding triangles from the whole

$$9 - 1.5 - 1.5 - 2 = 4 \quad \text{Area } \mathbf{4}$$

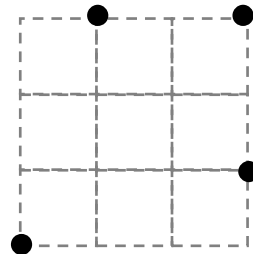
# 三角探し - Sankaku Sagashi - Triangle Search

(1)



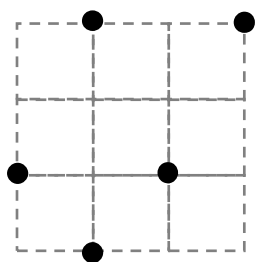
Area 1

(2)



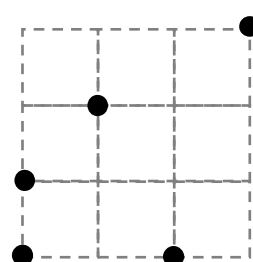
Area 2

(3)



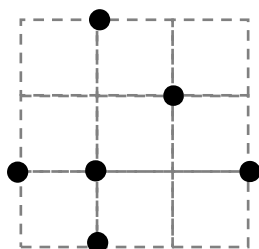
Area 3

(4)



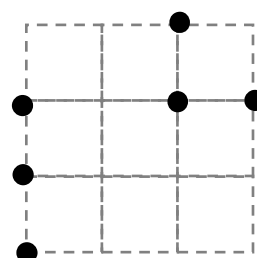
Area 1

(5)



Area 2

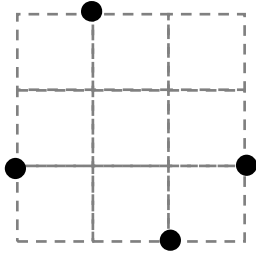
(6)



Area 3

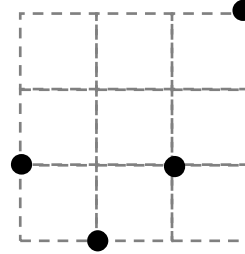
# 三角探し - Sankaku Sagashi - Triangle Search

(7)



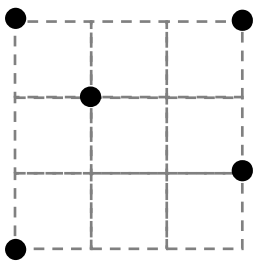
Area 3

(8)



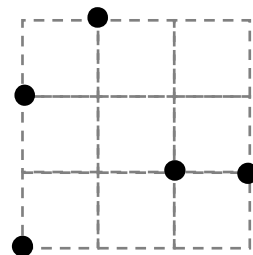
Area 1

(9)



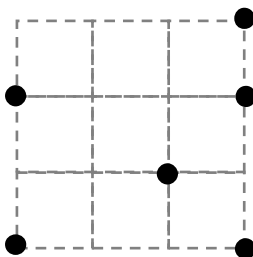
Area 2

(10)



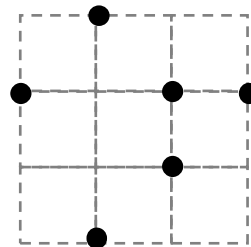
Area 3

(11)



Area 1

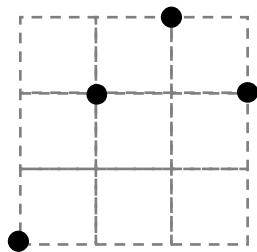
(12)



Area 2

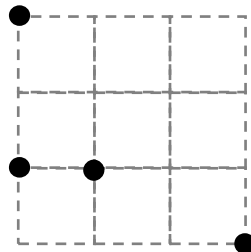
# 三角探し - Sankaku Sagashi - Triangle Search

(13)



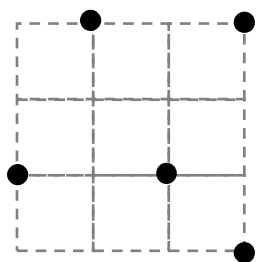
Area 2

(14)



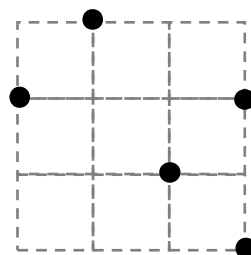
Area 3

(15)



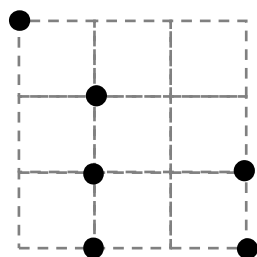
Area 1

(16)



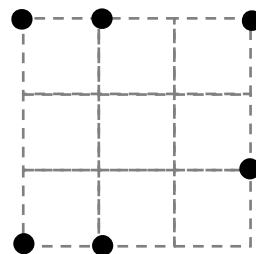
Area 2

(17)



Area 3

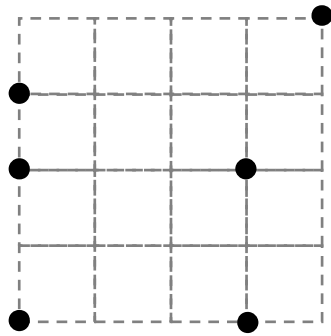
(18)



Area 1

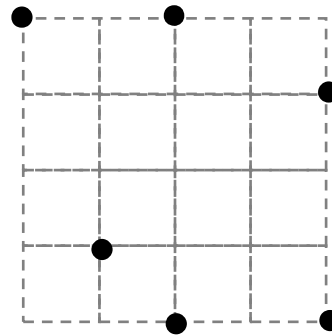
# 三角探し - Sankaku Sagashi - Triangle Search

(19)



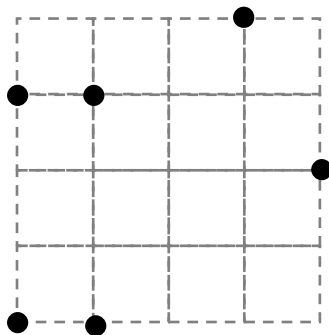
Area 1

(20)



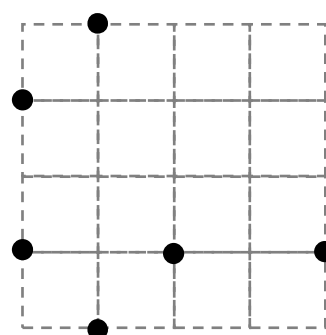
Area 2

(21)



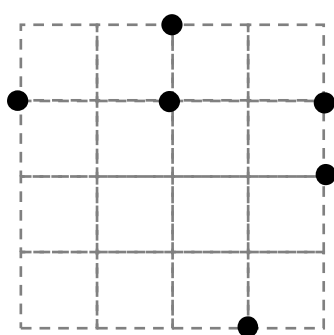
Area 3

(22)



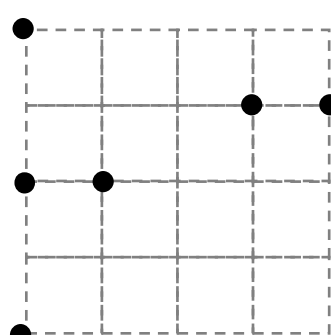
Area 4

(23)



Area 6

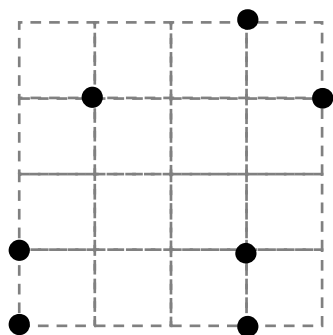
(24)



Area 8

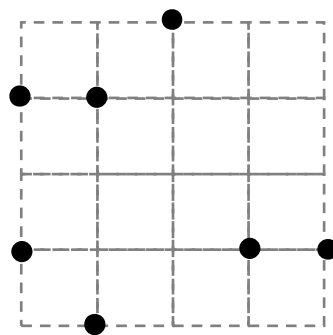
# 三角探し - Sankaku Sagashi - Triangle Search

(25)



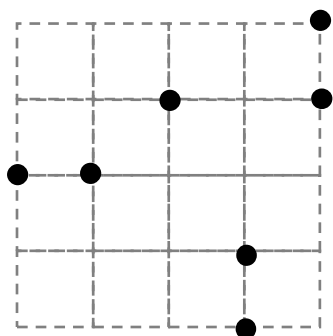
Area 1

(26)



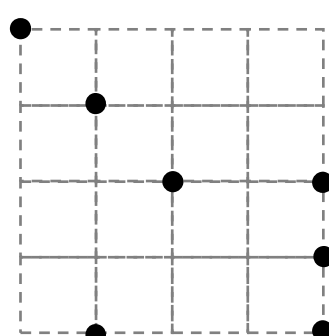
Area 2

(27)



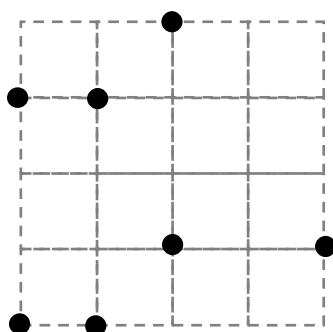
Area 3

(28)



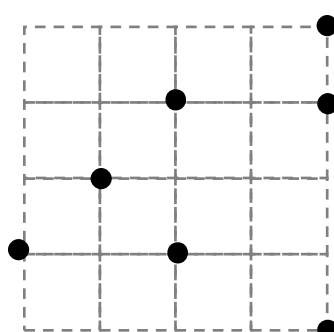
Area 4

(29)



Area 6

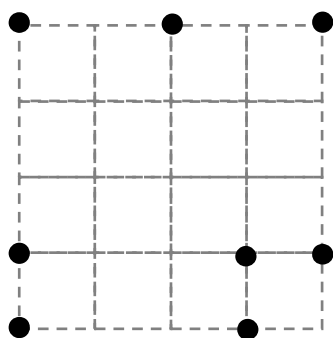
(30)



Area 8

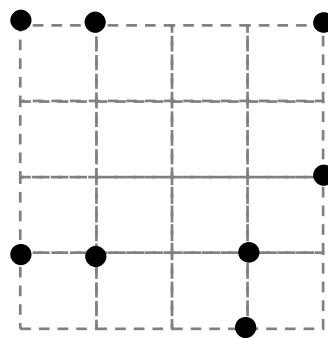
# 三角探し - Sankaku Sagashi - Triangle Search

(31)



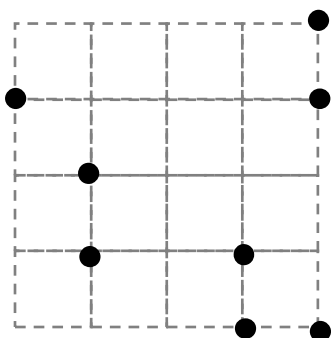
Area 1

(32)



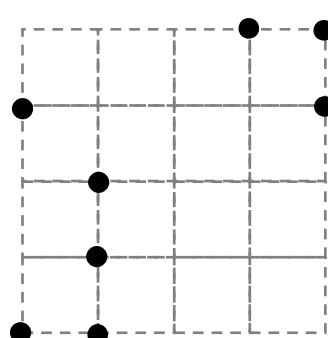
Area 2

(33)



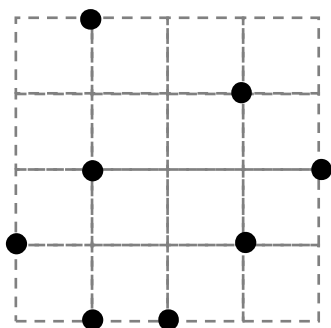
Area 3

(34)



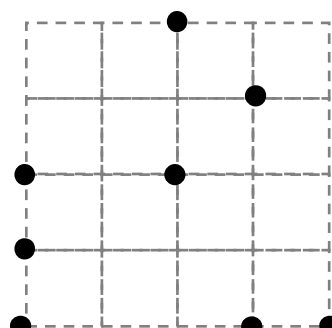
Area 4

(35)



Area 6

(36)

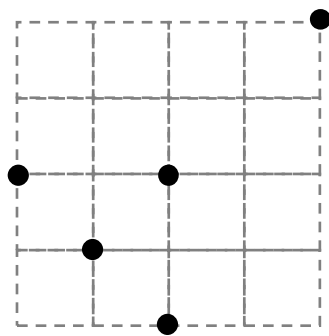


Area 8



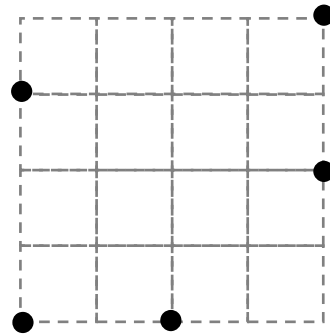
# 三角探し - Sankaku Sagashi - Triangle Search

(37)



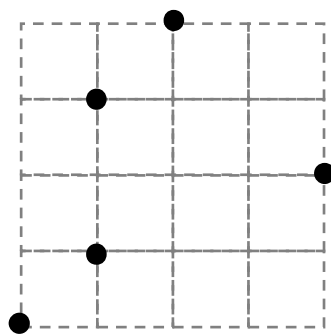
Area 6

(38)



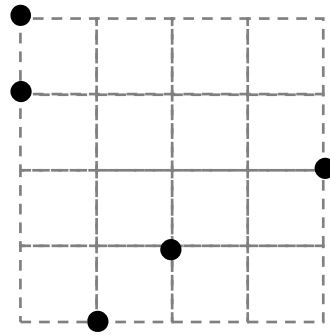
Area 5

(39)



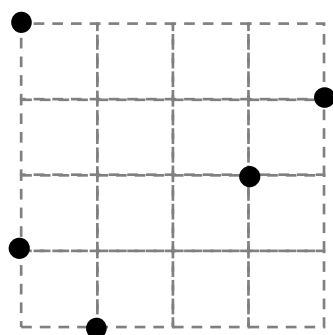
Area 4

(40)



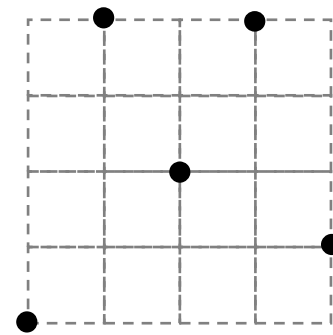
Area 3

(41)



Area 2

(42)



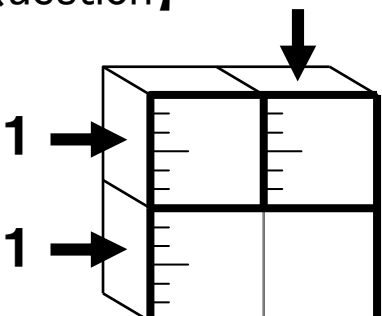
Area 1

# 水そうと水 – Suisō to Mizu – Water Tank

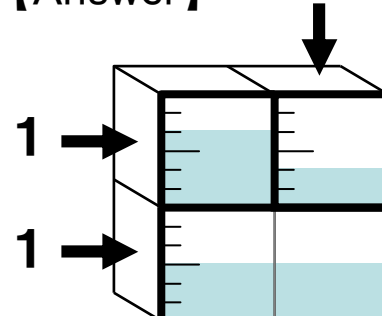
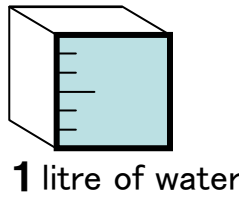
How much water is in each water tank?

- The number represents how many litres of water is in that row or column

**[Question]**  $5/6$

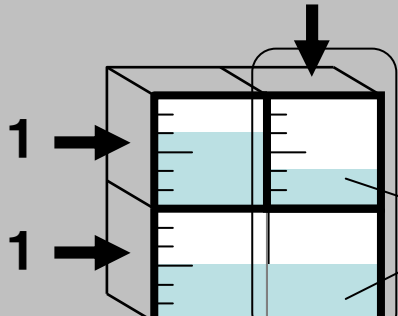


**[Answer]**  $5/6$

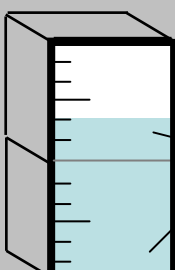
The number represents how many litres of water is in that row or column

$5/6$

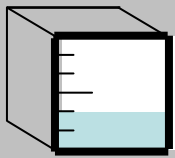


With this column:  
 The top is  $1/3$  litres  
 The bottom is  $1/2$  litres  
 The total is  $5/6$  litres

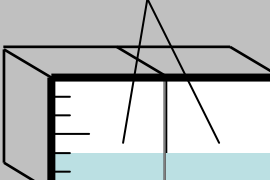
**! Caution !** Water flows down and takes the shape of the container



The lower connected section must be filled to support the water above

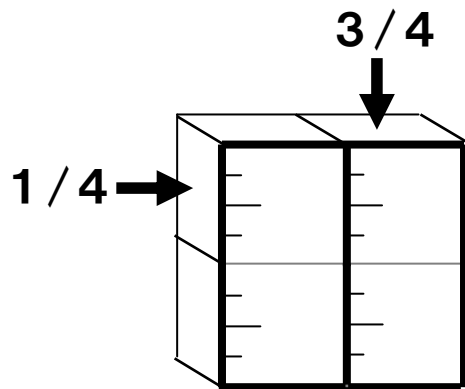


The height of the water will be the same in each connected container

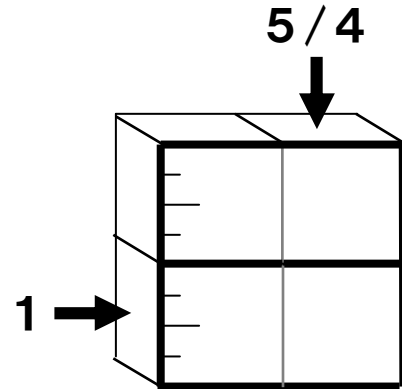


# 水そうと水 - Suisō to Mizu - Water Tank

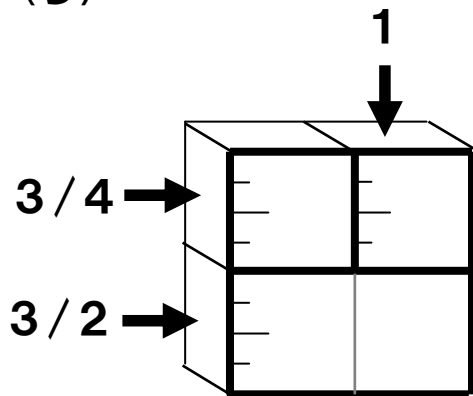
(1)



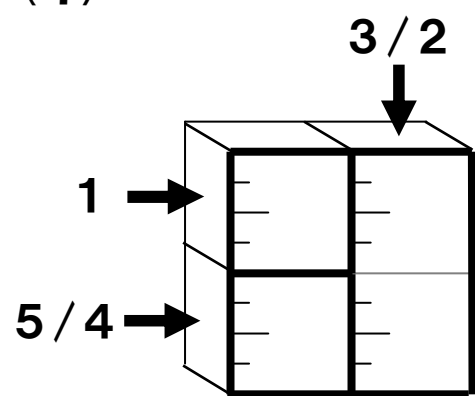
(2)



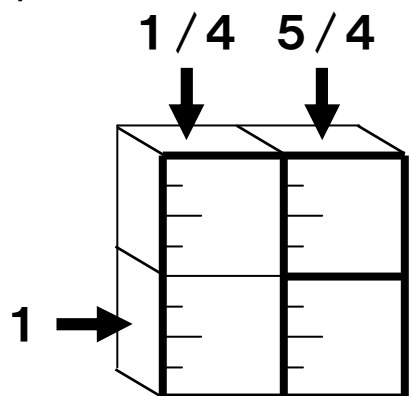
(3)



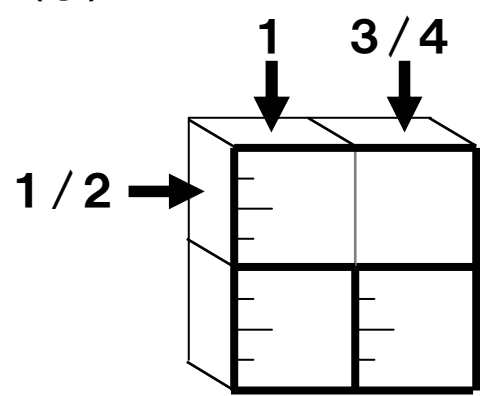
(4)



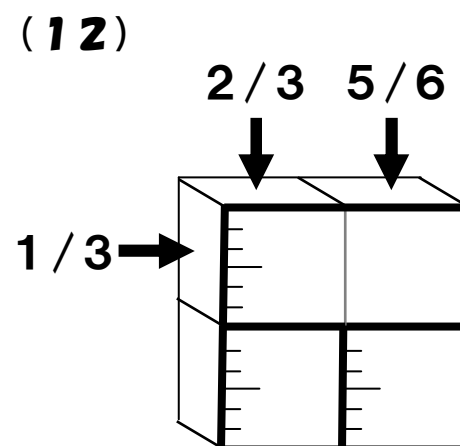
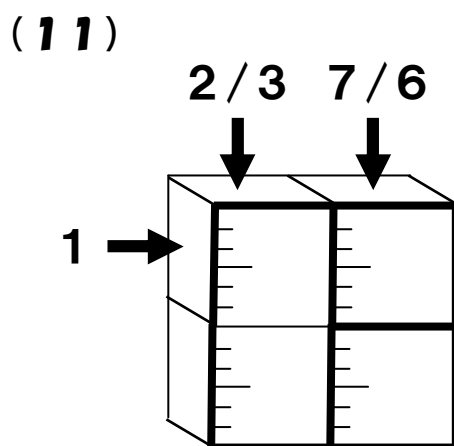
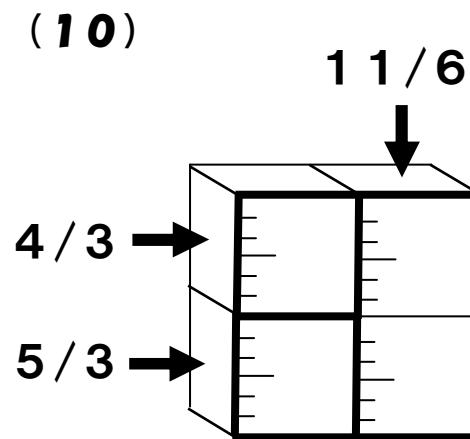
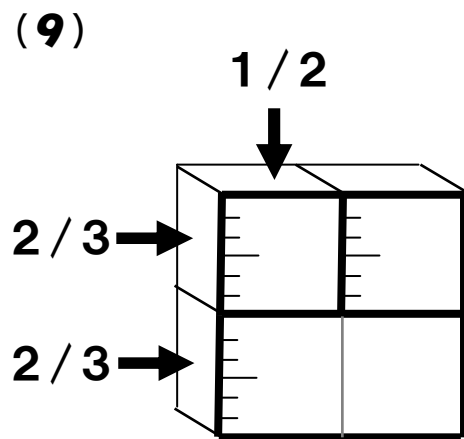
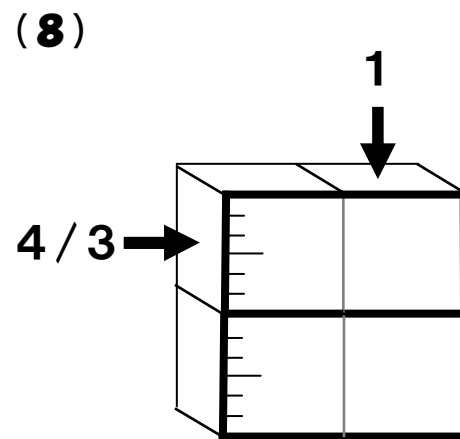
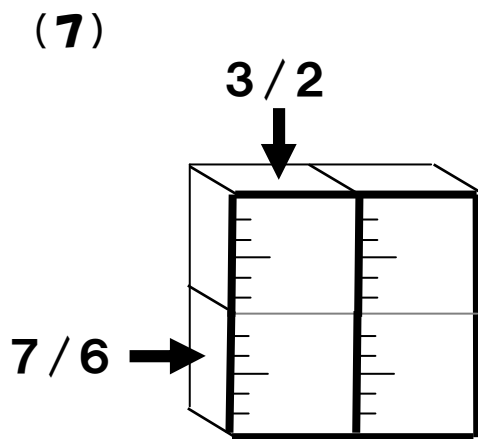
(5)



(6)

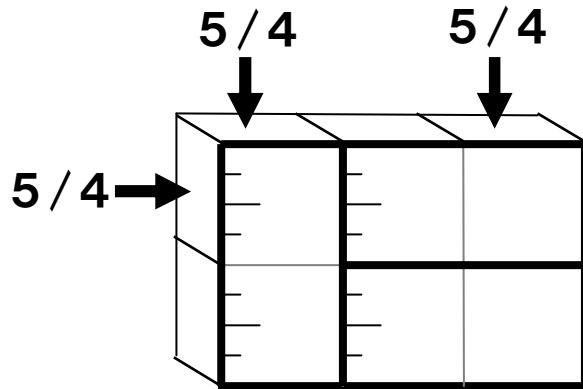


# 水そうと水 - Suisō to Mizu - Water Tank

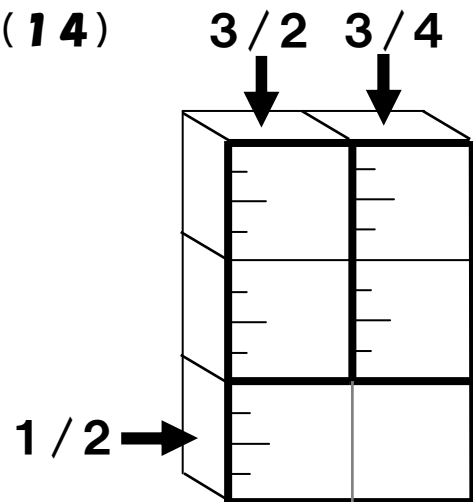


# 水そうと水 - Suisō to Mizu - Water Tank

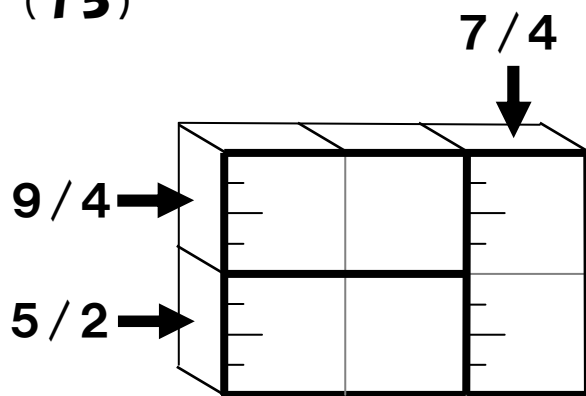
(13)



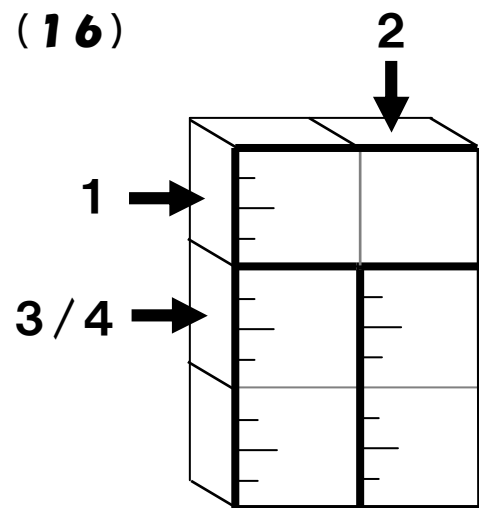
(14)



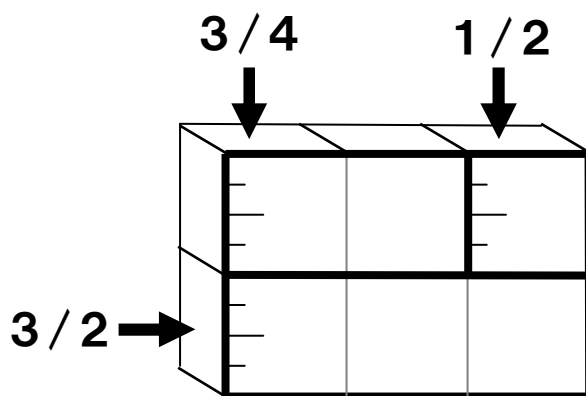
(15)



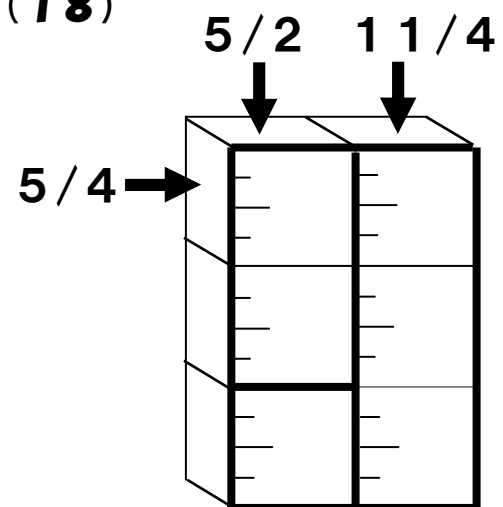
(16)



(17)

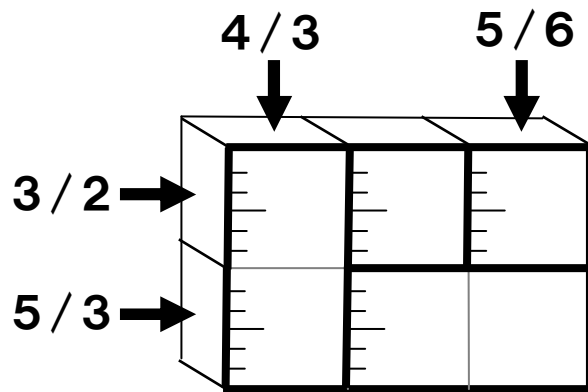


(18)

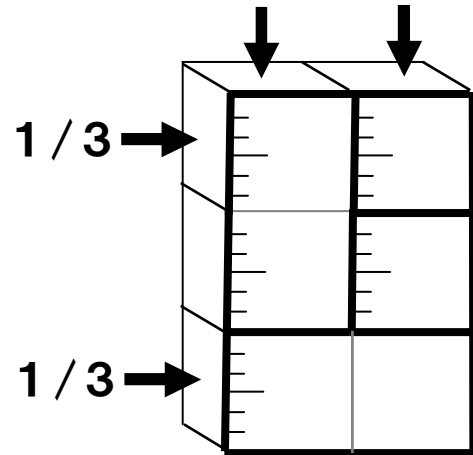


# 水そうと水 - Suisō to Mizu - Water Tank

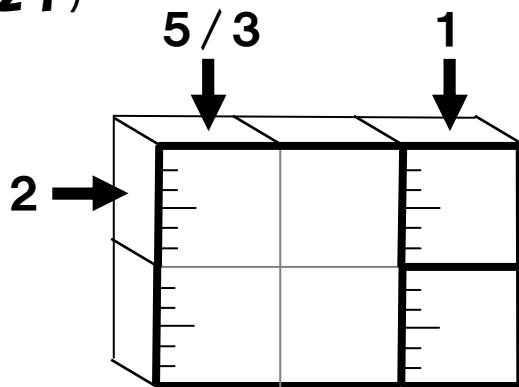
(19)



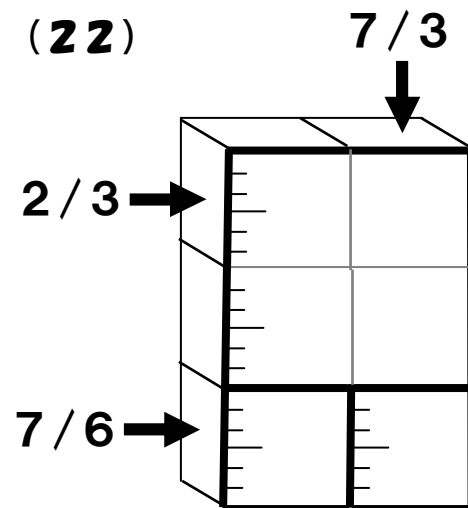
(20)  $\frac{7}{6}$   $\frac{4}{3}$



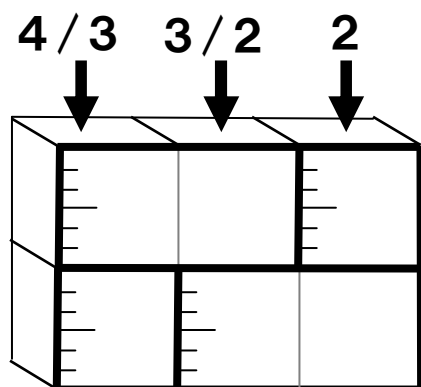
(21)



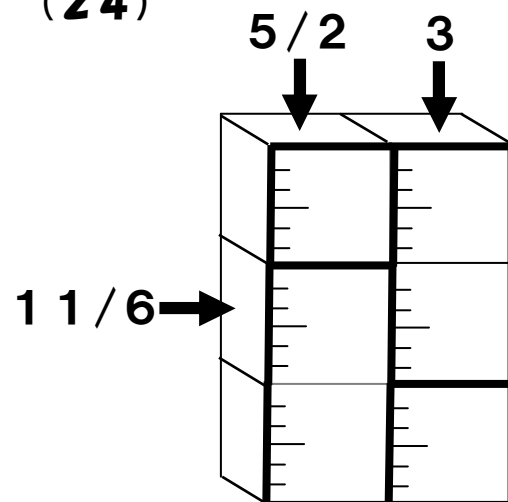
(22)



(23)

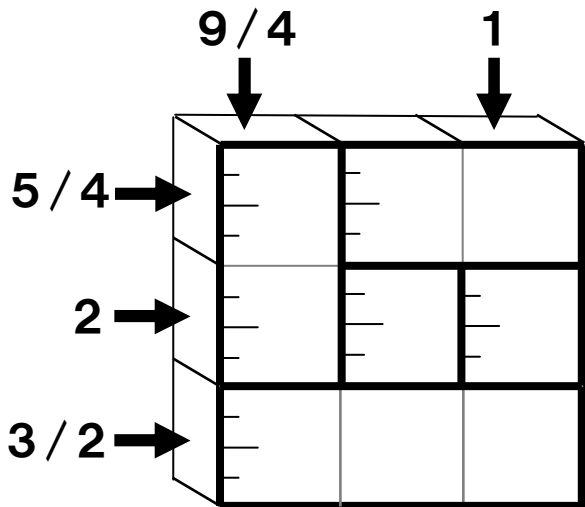


(24)

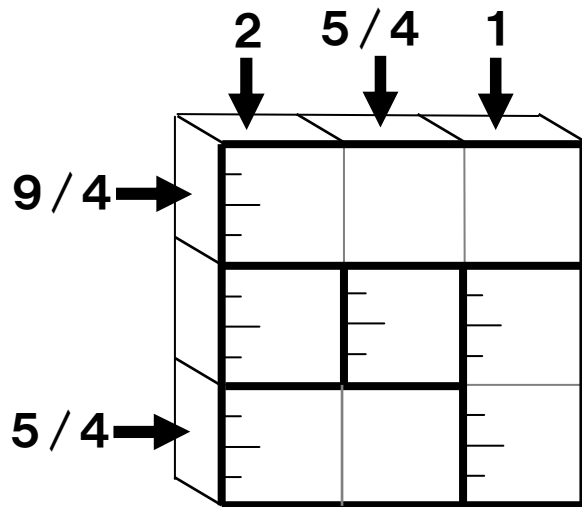


# 水そうと水 - Suisō to Mizu - Water Tank

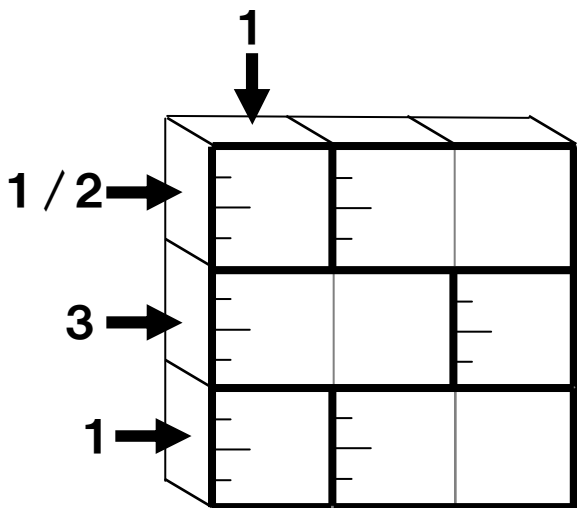
(25)



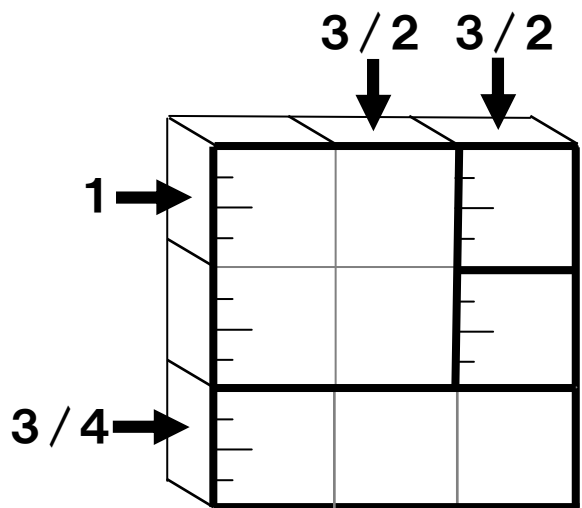
(26)



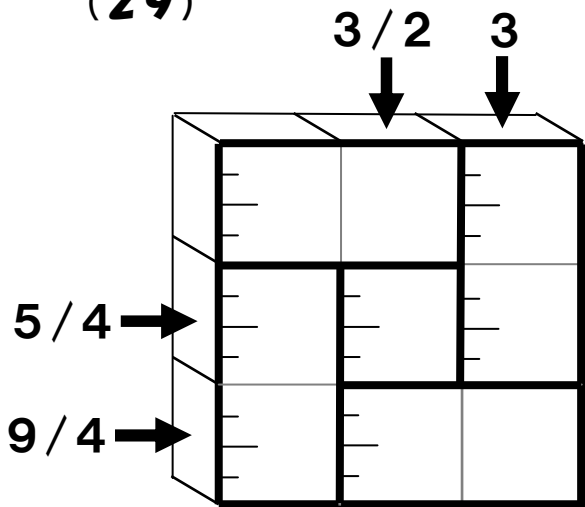
(27)



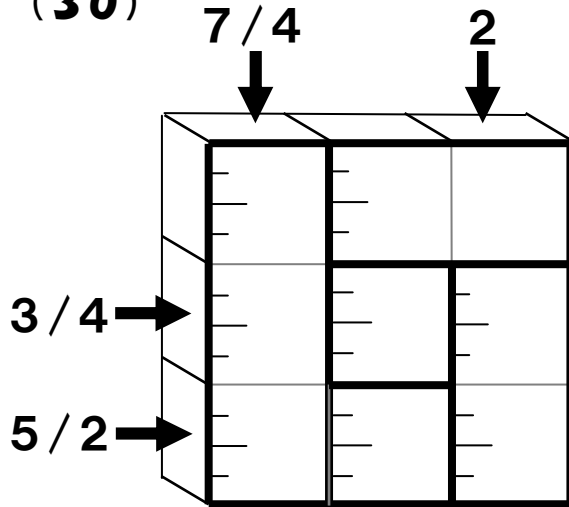
(28)



(29)

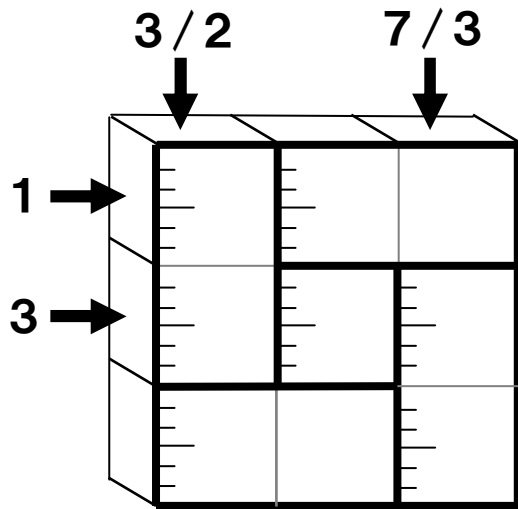


(30)

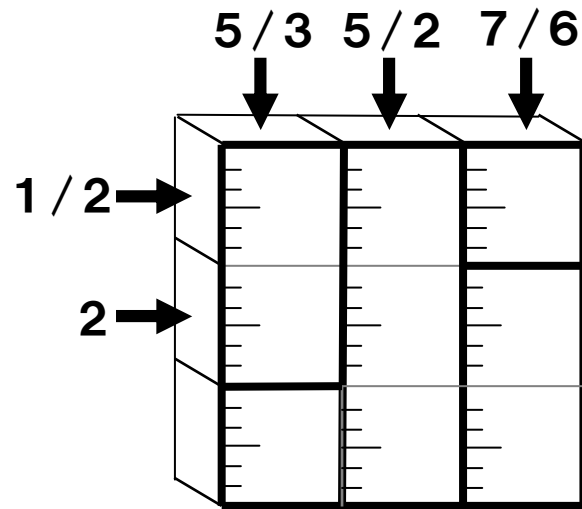


# 水そうと水 - Suisō to Mizu - Water Tank

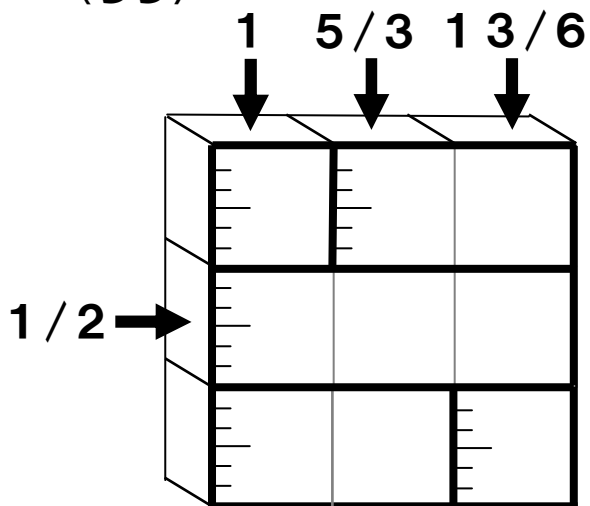
(31)



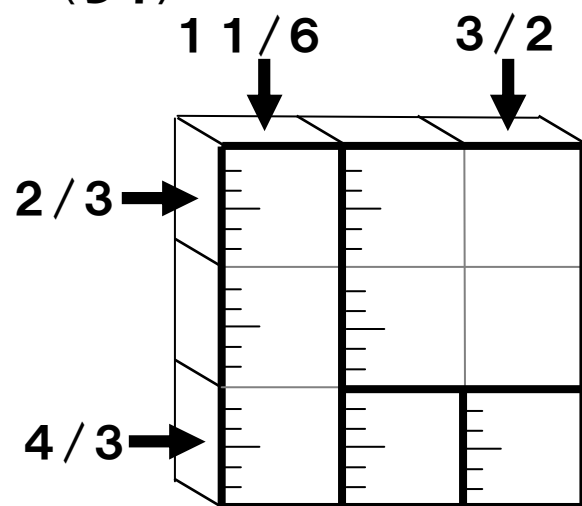
(32)



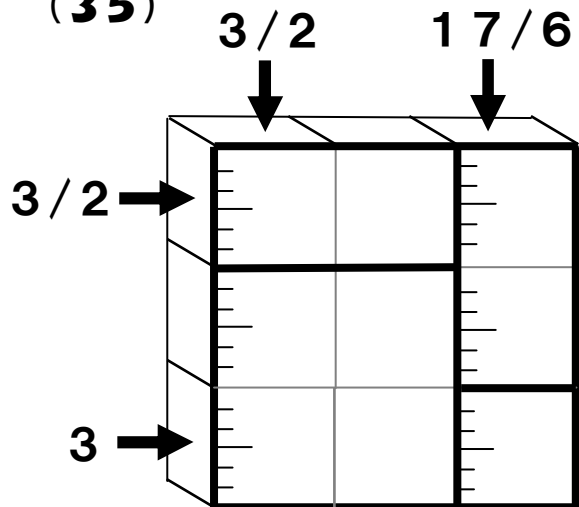
(33)



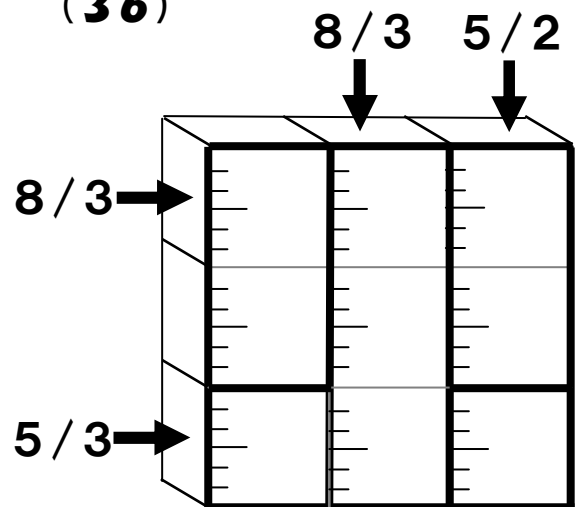
(34)



(35)



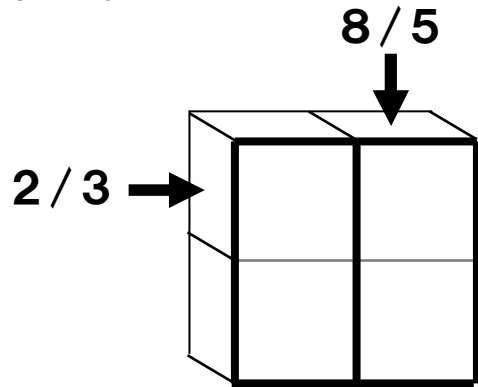
(36)



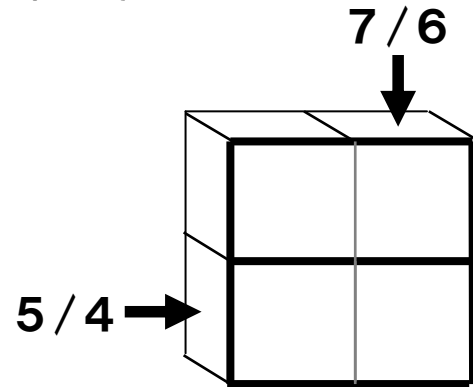


# 水そうと水 - Suisō to Mizu - Water Tank

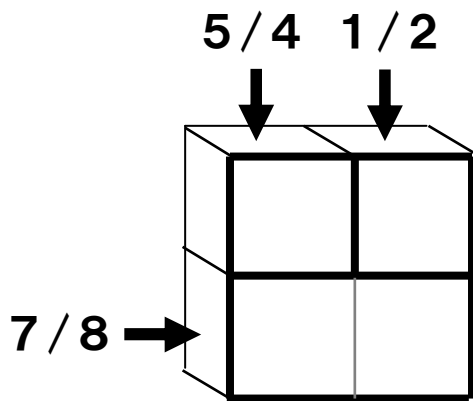
(37)



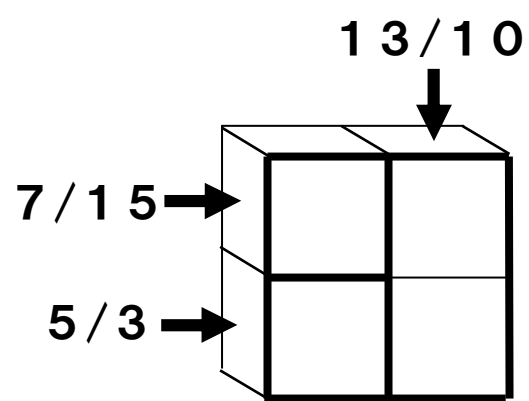
(38)



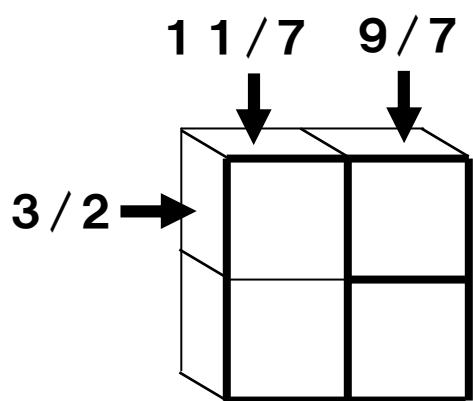
(39)



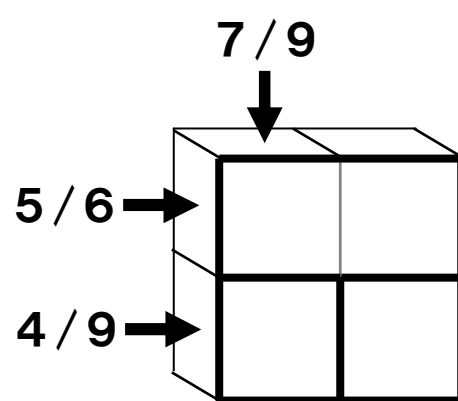
(40)



(41)



(42)



# どこかな算 – Doko Kana San – What Calculation?

- Add numbers **0** to **9** in the blank spaces to make a correct calculation
- **0** cannot be used at the start of a row or column
- The surrounding numbers go somewhere in the row or column indicated

【Question】

$$\begin{array}{r}
 3 \downarrow \\
 \square \\
 + \square \leftarrow 5 \\
 \hline
 \square \quad \square
 \end{array}$$

【Answer】

$$\begin{array}{r}
 3 \downarrow \\
 \boxed{8} \\
 + \boxed{5} \leftarrow 5 \\
 \hline
 \boxed{1} \quad \boxed{3}
 \end{array}$$

Make a correct calculation

$$\begin{array}{r}
 \boxed{8} \\
 + \boxed{5} \\
 \hline
 \boxed{1} \quad \boxed{3}
 \end{array}$$

Correct ○

! Caution !

$$\begin{array}{r}
 \boxed{3} \\
 + \boxed{5} \\
 \hline
 \boxed{0} \quad \boxed{8}
 \end{array}$$

0 cannot be used at the start of the row ✗

The surrounding numbers go somewhere in the row or column indicated

$$\begin{array}{r}
 3 \downarrow \\
 \boxed{8} \\
 + \boxed{5} \leftarrow 5 \\
 \hline
 \boxed{1} \quad \boxed{3}
 \end{array}$$

3 and 5 are in the row or column indicated ○

$$\begin{array}{r}
 3 \downarrow \\
 \boxed{7} \\
 + \boxed{5} \leftarrow 5 \\
 \hline
 \boxed{1} \quad \boxed{2} \downarrow
 \end{array}$$

There is no 3 in the column indicated ✗

# どこかな算 – Doko Kana San – What Calculation?

(1)

$$\begin{array}{r} \square \leftarrow 2 \\ + \square \leftarrow 3 \\ \hline \square \end{array}$$

(2)

$$\begin{array}{r} \square \\ + \square \leftarrow 7 \\ \hline \square \leftarrow 8 \end{array}$$

(3)

$$\begin{array}{r} \square \leftarrow 4 \\ + \square \\ \hline \square \leftarrow 6 \end{array}$$

(4)

$$\begin{array}{r} \square \leftarrow 5 \\ + \square \leftarrow 4 \\ \hline \square \end{array}$$

(5)

$$\begin{array}{r} \square \\ + \square \leftarrow 1 \\ \hline \square \leftarrow 9 \end{array}$$

(6)

$$\begin{array}{r} \square \leftarrow 3 \\ + \square \\ \hline \square \leftarrow 7 \end{array}$$

# どこかな算 – Doko Kana San – What Calculation?

(7)

$$\begin{array}{r} 4 \\ \downarrow \\ \square \\ + \square \leftarrow 5 \\ \hline \square \end{array}$$

(8)

$$\begin{array}{r} 2 \\ \downarrow \\ \square \leftarrow 6 \\ + \square \\ \hline \square \end{array}$$

(9)

$$\begin{array}{r} 3 \\ \downarrow \\ \square \\ + \square \\ \hline \square \leftarrow 6 \end{array}$$

(10)

$$\begin{array}{r} 7 \\ \downarrow \\ \square \\ + \square \leftarrow 5 \\ \hline \square \end{array}$$

(11)

$$\begin{array}{r} 9 \\ \downarrow \\ \square \leftarrow 1 \\ + \square \\ \hline \square \end{array}$$

(12)

$$\begin{array}{r} 4 \\ \downarrow \\ \square \\ + \square \\ \hline \square \leftarrow 8 \end{array}$$

# どこかな算 – Doko Kana San – What Calculation?

(13)

$$\begin{array}{r} \square \\ + \square \\ \hline \square \end{array} \leftarrow 2$$

(14)

$$\begin{array}{r} \square \\ + \square \\ \hline \square \end{array} \leftarrow 8$$

(15)

$$\begin{array}{r} \square \leftarrow 6 \\ + \square \leftarrow 7 \\ \hline \square \square \end{array}$$

(16)

$$\begin{array}{r} \square \\ + \square \leftarrow 9 \\ \hline \square \square \leftarrow 3 \end{array}$$

(17)

$$\begin{array}{r} \square \leftarrow 8 \\ + \square \\ \hline \square \square \leftarrow 4 \end{array}$$

(18)

$$\begin{array}{r} 6 \\ \downarrow \\ \square \leftarrow 5 \\ + \square \\ \hline \square \square \end{array}$$

# どこかな算 – Doko Kana San – What Calculation?

(19)

$$\begin{array}{r} \square \leftarrow 7 \\ + \square \\ \hline \square \square \leftarrow 2 \end{array}$$

(20)

$$\begin{array}{r} 1 \downarrow \\ \square \\ + \square \leftarrow 3 \\ \hline \square \square \end{array}$$

(21)

$$\begin{array}{r} 4 \downarrow \\ \square \leftarrow 5 \\ + \square \\ \hline \square \square \end{array}$$

(22)

$$\begin{array}{r} 8 \downarrow \\ \square \\ + \square \\ \hline \square \square \leftarrow 6 \end{array}$$

(23)

$$\begin{array}{r} \square \leftarrow 1 \\ + \square \\ \hline \square \square \end{array}$$

(24)

$$\begin{array}{r} \square \\ + \square \\ \hline \square \square \leftarrow 8 \end{array}$$

# どこかな算 – Doko Kana San – What Calculation?

(25)

$$\begin{array}{r}
 \square \square \leftarrow 5 \\
 + \quad \square \leftarrow 7 \\
 \hline
 \square \square \leftarrow 0
 \end{array}$$

(26)

$$\begin{array}{r}
 2,3 \\
 \downarrow \\
 \square \square \\
 + \quad \square \\
 \hline
 \square \square \leftarrow 8
 \end{array}$$

(27)

$$\begin{array}{r}
 8 \\
 \downarrow \\
 \square \square \\
 + \quad \square \leftarrow 2 \\
 \hline
 \square \square \leftarrow 6
 \end{array}$$

(28)

$$\begin{array}{r}
 6 \\
 \downarrow \\
 \square \square \leftarrow 4 \\
 + \quad \square \\
 \hline
 \square \square \leftarrow 9
 \end{array}$$

(29)

$$\begin{array}{r}
 4 \\
 \downarrow \\
 \square \square \leftarrow 1,3 \\
 + \quad \square \\
 \hline
 \square \square
 \end{array}$$

(30)

$$\begin{array}{r}
 \square \square \\
 + \quad \square \leftarrow 7 \\
 \hline
 \square \square \leftarrow 1,5
 \end{array}$$

# どこかな算 – Doko Kana San – What Calculation?

(31)

$$\begin{array}{r}
 \phantom{+} \square \square \\
 + \phantom{\square} \square \\
 \hline
 \square \square \leftarrow 1
 \end{array}$$

4,8  
↓

(32)

$$\begin{array}{r}
 \phantom{+} \square \square \leftarrow 0 \\
 + \phantom{\square} \square \\
 \hline
 \square \square \leftarrow 6
 \end{array}$$

5  
↓

(33)

$$\begin{array}{r}
 \phantom{+} \square \square \\
 + \phantom{\square} \square \\
 \hline
 \square \square \leftarrow 4
 \end{array}$$

1 7  
↓ ↓

(34)

$$\begin{array}{r}
 \phantom{+} \square \square \leftarrow 9 \\
 + \phantom{\square} \square \leftarrow 5 \\
 \hline
 \square \square
 \end{array}$$

6  
↓

(35)

$$\begin{array}{r}
 \phantom{+} \square \square \leftarrow 2,9 \\
 + \phantom{\square} \square \\
 \hline
 \square \square \leftarrow 2
 \end{array}$$

(36)

$$\begin{array}{r}
 \phantom{+} \square \square \leftarrow 7 \\
 + \phantom{\square} \square \leftarrow 8 \\
 \hline
 \square \square \leftarrow 1
 \end{array}$$



# どこかな算 – Doko Kana San – What Calculation?

(37)

$$\begin{array}{r}
 3 \\
 \downarrow \\
 \square \square \leftarrow 7 \\
 + \square \square \leftarrow 8 \\
 \hline
 \square \square \leftarrow 7
 \end{array}$$

(38)

$$\begin{array}{r}
 4, 8 \\
 \downarrow \\
 \square \square \\
 + \square \square \leftarrow 2 \\
 \hline
 \square \square \leftarrow 3
 \end{array}$$

(39)

$$\begin{array}{r}
 4, 5 \\
 \downarrow \\
 \square \square \\
 + \square \square \leftarrow 5 \\
 \hline
 \square \square \leftarrow 0
 \end{array}$$

(40)

$$\begin{array}{r}
 \square \square \leftarrow 4, 7 \\
 + \square \square \\
 \hline
 \square \square \leftarrow 3, 6
 \end{array}$$

(41)

$$\begin{array}{r}
 8 \quad 6 \\
 \downarrow \quad \downarrow \\
 \square \square \leftarrow 1 \\
 + \square \square \\
 \hline
 \square \square \leftarrow 2
 \end{array}$$

(42)

$$\begin{array}{r}
 \square \square \leftarrow 6 \\
 + \square \square \leftarrow 7, 8 \\
 \hline
 \square \square
 \end{array}$$

# ゼロゼロ式 – Zero Zero Shiki – Zero Equations

Make equations with only the numbers given

- Write in as many extra 0s as you like to make a correct equation

【Question】

$$\boxed{1} + \boxed{2} + \boxed{3} = 231$$

【Answer】

$$\boxed{1} + \boxed{200} + \boxed{30} = 231$$

Write in as many extra 0s as you like

$$\boxed{1}$$

$$\boxed{200}$$

$$\boxed{30}$$

You don't need to add anything

Two zeros added

One zero added

$$\boxed{18}$$

$$\boxed{210}$$

Do not add numbers which are not 0

Make a correct equation

$$\boxed{1} + \boxed{200} + \boxed{30} = 231$$

Correct

$$\boxed{10} + \boxed{2} + \boxed{300} = 231$$

Incorrect, adds to 312

## ゼロゼロ式 - Zero Zero Shiki - Zero Equations

(1)  $\boxed{3} + \boxed{6} + \boxed{2} = 92$

(2)  $\boxed{6} + \boxed{1} + \boxed{3} = 64$

(3)  $\boxed{3} + \boxed{1} + \boxed{7} = 47$

(4)  $\boxed{5} + \boxed{7} + \boxed{1} = 76$

(5)  $\boxed{9} + \boxed{4} + \boxed{1} = 95$

(6)  $\boxed{6} + \boxed{4} + \boxed{3} = 94$

(7)  $\boxed{8} + \boxed{3} + \boxed{2} = 58$

## ゼロゼロ式 - Zero Zero Shiki - Zero Equations

(8)  $\boxed{9} + \boxed{7} + \boxed{8} = 879$

(9)  $\boxed{5} + \boxed{3} + \boxed{9} = 890$

(10)  $\boxed{2} + \boxed{6} + \boxed{3} = 650$

(11)  $\boxed{8} + \boxed{1} + \boxed{4} = 481$

(12)  $\boxed{3} + \boxed{2} + \boxed{4} = 360$

(13)  $\boxed{6} + \boxed{2} + \boxed{4} = 804$

(14)  $\boxed{1} + \boxed{2} + \boxed{6} = 108$

## ゼロゼロ式 - Zero Zero Shiki - Zero Equations

(15)  $\boxed{6} + \boxed{9} + \boxed{2} = 35$

(16)  $\boxed{8} + \boxed{2} + \boxed{3} = 31$

(17)  $\boxed{9} + \boxed{7} + \boxed{4} = 83$

(18)  $\boxed{6} + \boxed{3} + \boxed{7} = 70$

(19)  $\boxed{9} + \boxed{1} + \boxed{8} = 90$

(20)  $\boxed{8} + \boxed{2} + \boxed{3} = 31$

(21)  $\boxed{5} + \boxed{9} + \boxed{6} = 65$

## ゼロゼロ式 - Zero Zero Shiki - Zero Equations

$$(22) \quad \boxed{9} + \boxed{7} + \boxed{6} = 139$$

$$(23) \quad \boxed{5} + \boxed{3} + \boxed{7} = 312$$

$$(24) \quad \boxed{4} + \boxed{8} + \boxed{9} = 210$$

$$(25) \quad \boxed{3} + \boxed{9} + \boxed{4} = 133$$

$$(26) \quad \boxed{3} + \boxed{8} + \boxed{4} = 510$$

$$(27) \quad \boxed{6} + \boxed{5} + \boxed{7} = 720$$

$$(28) \quad \boxed{6} + \boxed{7} + \boxed{9} = 103$$

## ゼロゼロ式 - Zero Zero Shiki - Zero Equations

$$(29) \quad \boxed{9} + \boxed{7} + \boxed{5} = 759$$

$$(30) \quad \boxed{6} + \boxed{4} + \boxed{3} = 940$$

$$(31) \quad \boxed{3} + \boxed{9} + \boxed{5} = 125$$

$$(32) \quad \boxed{7} + \boxed{6} + \boxed{4} = 800$$

$$(33) \quad \boxed{6} + \boxed{8} + \boxed{4} = 414$$

$$(34) \quad \boxed{4} + \boxed{3} + \boxed{7} = 140$$

$$(35) \quad \boxed{7} + \boxed{9} + \boxed{8} = 105$$

## ゼロゼロ式 - Zero Zero Shiki - Zero Equations

**(36)**

$$\boxed{3} + \boxed{7} + \boxed{8} + \boxed{2} = 92$$

**(37)**

$$\boxed{6} + \boxed{2} + \boxed{9} + \boxed{5} = 76$$

**(38)**

$$\boxed{5} + \boxed{1} + \boxed{2} + \boxed{6} = 95$$

**(39)**

$$\boxed{1} + \boxed{8} + \boxed{2} + \boxed{4} = 42$$

**(40)**

$$\boxed{4} + \boxed{6} + \boxed{1} + \boxed{3} = 86$$

**(41)**

$$\boxed{4} + \boxed{3} + \boxed{8} + \boxed{6} = 84$$

**(42)**

$$\boxed{8} + \boxed{3} + \boxed{5} + \boxed{1} = 53$$



## ゼロゼロ式 - Zero Zero Shiki - Zero Equations

**(43)**

$$\boxed{3} + \boxed{6} + \boxed{4} + \boxed{1} = 860$$

**(44)**

$$\boxed{6} + \boxed{7} + \boxed{9} + \boxed{3} = 826$$

**(45)**

$$\boxed{8} + \boxed{7} + \boxed{6} + \boxed{3} = 690$$

**(46)**

$$\boxed{5} + \boxed{4} + \boxed{9} + \boxed{3} = 714$$

**(47)**

$$\boxed{3} + \boxed{9} + \boxed{4} + \boxed{1} = 404$$

**(48)**

$$\boxed{7} + \boxed{8} + \boxed{1} + \boxed{2} = 171$$

**(49)**

$$\boxed{2} + \boxed{9} + \boxed{6} + \boxed{8} = 700$$