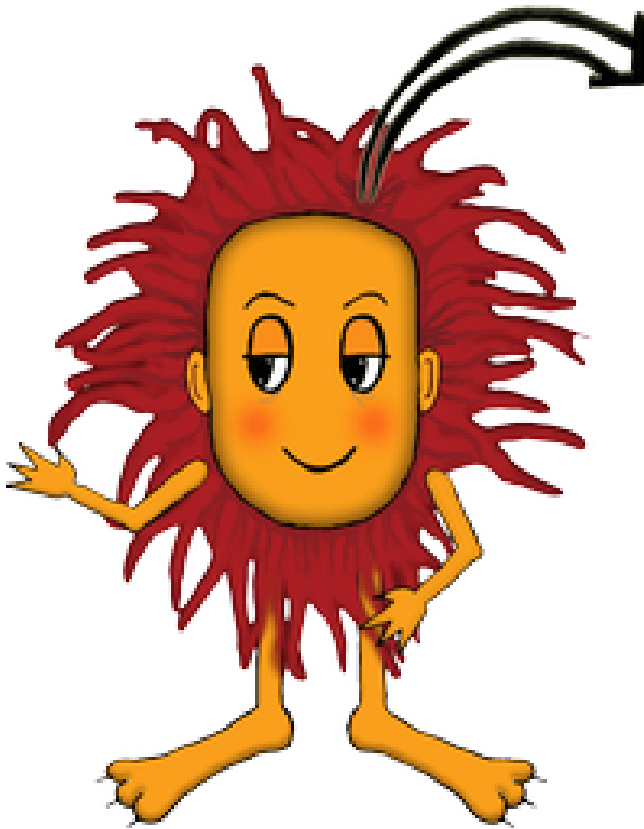


Velika logična pošast



Množice in podmnožice

Katere relacije med množicama A in B  
so resnične?

Če je izjava resnična vpiši 1, drugače pa 0.

## 1.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 3, 2, 1}	{5}						
{1, 4, 5, 3}	{2}						
{5, 1}	{1}						
{5, 1, 4, 2}	{5}						
{5, 2, 1}	{5, 3, 2, 1}						
{4, 1}	{3, 1}						
{2, 3, 1, 5}	{1, 3}						
{3, 4}	{3, 4}						
{2}	{1}						
{2, 5, 4}	{4}						
{5, 2, 3}	{5, 1}						
{3, 4, 2}	{1, 2}						
{3, 2, 5, 1}	{4, 2}						
{3, 5, 1, 2}	{2, 3, 4, 1}						
{3, 4}	{2}						
{3, 4, 5}	{5, 3, 2, 1}						
{5}	{4, 1, 2, 5}						
{2, 5, 3}	{5, 2, 4, 1}						
{4, 3, 1, 5}	{3, 4, 2, 1}						
{1, 3}	{3, 2, 4, 1}						
{1}	{4}						
{3}	{3, 4}						
{1, 2}	{2, 3, 4, 5}						
{1, 5, 4}	{1}						
{3}	{2, 5}						
{4}	{1, 3, 4, 2}						
{3, 1, 4, 2}	{3, 2, 1, 5}						
{4, 1, 2}	{4, 3, 5, 2}						
{3, 5, 4, 2}	{2, 5, 4}						
{4, 3}	{2, 5, 1}						

2.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{2, 3, 4}	{3}						
{1, 2, 3, 5}	{3, 4, 2, 5}						
{2, 5, 1}	{3, 1, 2}						
{2, 5}	{3, 2, 1, 4}						
{2, 3}	{1, 2}						
{3, 1, 5, 4}	{4, 3, 5, 2}						
{5, 1, 2}	{4}						
{5, 3}	{2, 1, 4}						
{2}	{2}						
{5, 1, 2, 3}	{4, 5, 3}						
{3, 2, 1}	{2, 5}						
{3, 5, 4, 2}	{2, 3, 4, 1}						
{5, 4, 3}	{4, 2, 3, 5}						
{2}	{4, 1, 2, 3}						
{4, 3}	{3}						
{5, 4}	{4, 5}						
{3, 1, 5}	{3, 5}						
{2}	{2, 5, 1}						
{2, 3}	{2}						
{5, 1, 3}	{4, 1, 5, 3}						
{1}	{3}						
{2, 3, 4, 5}	{5, 1, 4, 2}						
{2, 3, 5}	{4}						
{3}	{3, 4, 2}						
{1, 4, 5}	{1}						
{1, 5, 4, 3}	{5}						
{1, 5, 2}	{3}						
{3, 4}	{5, 4, 3}						
{5}	{5}						
{3, 5}	{1}						

## 3.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1, 4}	{5, 1, 4, 2}						
{5, 4, 1}	{2, 4, 5}						
{1, 4, 5, 3}	{3, 4}						
{4, 5, 2, 1}	{2}						
{4, 3}	{5, 2}						
{2}	{1, 3}						
{5}	{2, 1, 4}						
{2, 1, 5, 4}	{2}						
{3, 2}	{5, 3}						
{5, 4, 3, 1}	{5}						
{4, 3, 5}	{2, 1, 4, 3}						
{3}	{1, 4, 3, 5}						
{3}	{3, 4}						
{1, 2, 4, 3}	{5, 4, 3}						
{3}	{4}						
{3}	{4, 3}						
{5, 3}	{5}						
{1, 3}	{3, 1, 5, 2}						
{1, 3, 5}	{2, 1, 5}						
{2, 4, 1, 3}	{4, 2, 3, 5}						
{1, 5, 3}	{1}						
{5, 4}	{5, 1, 4, 3}						
{5}	{3, 2, 1, 5}						
{4, 3, 1}	{3, 1}						
{3, 2, 4, 5}	{2}						
{1, 3, 2, 5}	{1}						
{3, 2, 1}	{2, 4, 1}						
{4, 1, 5, 3}	{4, 1, 5, 3}						
{4, 1, 5, 2}	{5, 4}						
{4}	{2, 1}						

## 4.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{4, 1, 3}	{2, 4, 1, 3}						
{4, 2, 3, 5}	{2, 4, 5}						
{3, 1}	{2, 5, 4, 3}						
{4, 3, 2}	{5, 1, 3}						
{2, 1}	{1}						
{2}	{4}						
{3, 1, 5, 4}	{2, 4, 1, 3}						
{4, 2, 3, 5}	{4, 1, 3}						
{1, 5, 3, 4}	{3, 1}						
{5, 1, 3}	{5, 3, 1}						
{4, 5}	{3}						
{2}	{5, 2}						
{5, 3}	{4, 5}						
{4}	{1}						
{3, 2, 5}	{1}						
{5, 2}	{2, 3, 4}						
{3, 1}	{5, 2, 4, 3}						
{1, 2, 4}	{1, 4}						
{1, 5, 3, 2}	{2, 3, 4, 1}						
{5, 1, 4}	{1, 3}						
{4, 2, 1}	{1, 4}						
{3, 4, 2, 1}	{4, 2, 5, 3}						
{3, 2}	{1, 4, 3}						
{5, 3, 1, 2}	{2}						
{1, 4, 5}	{5, 4, 3, 1}						
{5, 1, 3}	{5, 3, 1}						
{2, 1, 4, 3}	{5, 1, 3, 2}						
{2, 1, 5}	{2, 4, 3, 5}						
{2, 5}	{5, 2}						
{2, 1, 5}	{4, 3}						

5.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1}	{4}						
{4, 1, 3}	{5, 1, 4, 2}						
{1, 4}	{3, 5, 1, 2}						
{1, 3, 5, 2}	{3, 2}						
{1}	{4}						
{2, 4, 3}	{1}						
{3, 2, 4}	{1}						
{1}	{1, 4, 5, 3}						
{5}	{3, 1, 5, 4}						
{4, 3, 5, 2}	{3}						
{2, 4, 3}	{3, 1, 2, 4}						
{1}	{3, 4, 5}						
{1}	{1}						
{1}	{4, 5}						
{2}	{2, 1, 4}						
{3, 4}	{2, 5}						
{2, 5}	{2}						
{2, 1, 4, 5}	{5, 1}						
{2, 3, 5}	{3, 2}						
{2, 1, 3, 5}	{5, 1, 3, 2}						
{1}	{5, 3}						
{3, 1, 5}	{2}						
{4}	{3}						
{1, 5}	{3, 2}						
{4, 1, 5, 2}	{5, 4, 2, 1}						
{3, 2, 5}	{5}						
{5, 3}	{3}						
{4, 2}	{4}						
{5}	{1, 4, 5}						
{3}	{5, 4, 1, 2}						

6.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{2, 1}	{1}						
{4, 1, 2, 5}	{1, 5, 3}						
{5, 4, 3}	{4}						
{5, 3, 4, 1}	{2}						
{3, 4, 1, 5}	{2, 1}						
{5}	{1, 5}						
{3, 1, 4, 2}	{2, 3, 5}						
{4, 5}	{3, 4, 1}						
{5, 1, 3}	{1, 5}						
{4, 3}	{4, 5, 3, 2}						
{1, 3, 2, 5}	{3, 2, 1}						
{2, 3, 1}	{4, 5}						
{4, 3, 5}	{3, 4, 5, 1}						
{3, 1, 2, 5}	{5, 1, 2, 3}						
{5, 3, 2}	{3}						
{1, 4}	{1, 4, 3, 5}						
{5, 4, 1, 2}	{1}						
{2, 5}	{3, 1, 4}						
{1, 5, 3, 2}	{3}						
{4, 5, 2}	{1, 4, 5}						
{2, 1, 4, 5}	{4, 3, 5, 1}						
{1, 2, 4}	{4, 3}						
{3}	{4, 3, 5}						
{3, 2, 4, 5}	{1, 3, 2, 4}						
{1, 3, 4, 5}	{5, 4, 2}						
{2, 3, 5, 1}	{5}						
{3, 2}	{2, 4, 1, 3}						
{2, 5, 4, 1}	{3, 5}						
{2}	{2, 3, 4, 5}						
{3}	{1, 2, 3, 5}						

7.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 4, 2}	{1, 5, 4, 2}						
{3}	{3}						
{3, 4, 5, 2}	{1, 4}						
{2, 3, 1, 5}	{5, 2, 1, 3}						
{1}	{5, 1}						
{3, 5, 1, 4}	{4, 1}						
{2, 5}	{5, 1}						
{1}	{1, 4, 3}						
{5, 4, 3}	{1, 2, 5}						
{5, 1, 4}	{5}						
{2, 4, 5}	{4, 5, 2, 1}						
{5, 4}	{1, 2, 5, 4}						
{3, 2}	{2, 4, 1, 3}						
{5, 2, 4, 1}	{3, 4, 5}						
{2, 1, 4, 3}	{4, 2, 3, 1}						
{4, 2, 5}	{5, 4}						
{3, 1, 4}	{2, 1}						
{4, 2}	{1, 5, 3}						
{5, 3, 4}	{4}						
{3, 5, 1}	{3}						
{4}	{4, 2, 1}						
{2, 4, 5, 1}	{3, 2}						
{5, 1}	{3, 5, 1}						
{1, 3, 5}	{5, 4, 2, 3}						
{1, 5, 3}	{4, 2}						
{1, 4, 5}	{1, 3, 2}						
{5, 4}	{5, 1, 3}						
{4, 1, 3, 5}	{5, 1, 3}						
{5, 3, 2, 1}	{1, 3, 2}						
{2}	{3}						



8.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{3, 2, 1, 5}	{2}						
{2, 1, 5}	{5}						
{1, 3}	{4}						
{3, 1, 2, 4}	{4, 2}						
{3, 1}	{3, 1, 5}						
{5, 4, 2}	{4, 2}						
{2, 1, 4, 3}	{3, 5, 2}						
{2, 1}	{5, 1, 4}						
{4, 2, 5}	{2, 5, 1}						
{3}	{4, 5}						
{1, 5}	{2, 5, 3, 4}						
{4, 3, 5, 2}	{2}						
{3, 2, 5, 4}	{1}						
{4, 5}	{5, 2}						
{4, 3}	{1, 4, 3, 5}						
{1, 3, 5, 2}	{3, 2, 4}						
{2}	{3, 5}						
{2}	{4}						
{2, 4, 5}	{2, 4, 5, 3}						
{1, 4}	{4, 1, 3, 2}						
{4, 2, 1, 3}	{2, 4}						
{2, 5}	{4, 5}						
{5}	{4}						
{3, 1, 4, 5}	{2, 3, 4, 1}						
{4, 3, 2, 1}	{2, 3, 1}						
{1, 3, 5, 4}	{4, 2}						
{1, 5}	{1}						
{1, 2, 3}	{2, 3, 1}						
{2}	{5, 1, 3, 4}						
{4, 1, 3}	{3, 1, 5}						

9.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{3, 2}	{1, 2, 4}						
{4, 1}	{5, 4, 1, 2}						
{2, 4, 3, 5}	{5, 3, 4}						
{5}	{4, 1}						
{4, 3}	{1, 5, 4, 3}						
{5, 3, 2}	{4, 1, 2, 3}						
{4, 5, 1}	{1}						
{4, 2, 1, 5}	{4, 3}						
{1, 5}	{3, 4, 5}						
{2, 4, 3, 1}	{1, 4, 3}						
{3, 2}	{5}						
{5, 3, 2, 4}	{5}						
{2}	{2, 5, 3, 4}						
{4, 2, 5, 1}	{5, 4, 1, 2}						
{5, 1, 4, 3}	{5, 3, 4}						
{2}	{4}						
{3, 4}	{4}						
{4}	{1, 5}						
{2}	{1, 3}						
{2, 5, 4}	{4, 5, 2, 3}						
{3, 1, 4}	{5, 1, 2}						
{4, 3}	{4, 3}						
{4}	{5, 1, 2}						
{3, 5, 2}	{5, 4, 2}						
{5, 3, 2}	{5, 3, 4, 1}						
{1, 2, 5}	{5, 2, 1, 4}						
{3, 2}	{3}						
{2, 1}	{1, 2, 4, 3}						
{1}	{3, 4, 2}						
{1, 2, 5}	{1}						

## 10.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1, 2, 5, 4}	{5, 1, 2, 4}						
{3, 2}	{3, 5, 4, 1}						
{2, 1, 5}	{1}						
{4, 2, 3, 5}	{2}						
{2, 4}	{1}						
{4, 5}	{5, 2, 3, 4}						
{4, 5}	{2, 1, 5}						
{3, 4, 2, 1}	{4}						
{4, 2, 1, 3}	{2}						
{5, 1}	{4}						
{5, 3, 1, 4}	{3, 4, 2}						
{5, 3, 2}	{4}						
{3}	{3, 1, 4}						
{2, 5, 1, 3}	{3}						
{3}	{3}						
{2, 3, 4}	{5, 3, 4}						
{2, 5}	{2, 5, 4, 3}						
{3, 2, 5, 4}	{2, 3, 5}						
{4, 2, 5}	{1, 5}						
{1, 5}	{3, 2, 4, 1}						
{5, 2}	{1}						
{2, 4}	{4, 3, 1, 2}						
{5}	{1}						
{4, 3, 5}	{5, 1, 4, 3}						
{3, 1}	{4, 5}						
{2, 1, 4, 3}	{3}						
{5, 3}	{5, 3, 4}						
{3, 2}	{1}						
{3, 5}	{5, 4, 3}						
{2, 4, 1}	{4, 3}						

## 11.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{3, 5, 1}	{1}						
{5, 3}	{4}						
{3, 5, 4, 2}	{4, 5, 3}						
{5, 2, 4}	{5, 1, 4, 3}						
{4, 1}	{2, 1, 4, 3}						
{5, 2, 3}	{4}						
{4, 2, 5}	{4, 2}						
{4, 5, 2, 1}	{1, 4, 2, 5}						
{3}	{2}						
{3, 5, 1, 2}	{5, 3, 1, 2}						
{4, 1}	{5, 2}						
{4, 2, 5, 3}	{1, 5}						
{4}	{2, 4, 1, 3}						
{4, 2, 1}	{3, 5}						
{5, 4}	{2}						
{1}	{1, 3}						
{5}	{1, 2, 4, 3}						
{3, 5, 2}	{4, 5, 2}						
{5, 3}	{4, 5, 3}						
{4}	{5}						
{4, 2}	{5, 3, 2}						
{1, 2, 3, 5}	{1, 4}						
{3, 2}	{5, 4, 3, 1}						
{3, 1, 5, 2}	{1, 2, 4, 3}						
{1}	{2}						
{3, 4}	{5}						
{4, 1, 2, 3}	{3, 5, 4, 1}						
{4, 1}	{2}						
{1, 3}	{3, 5, 2}						
{4, 1, 5}	{4}						

## 12.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1, 5}	{5, 2, 3, 4}						
{1, 4, 3}	{5, 4, 3, 1}						
{3, 5, 4, 1}	{3, 1, 2}						
{2, 4, 5, 3}	{4, 5, 1}						
{3, 4, 1}	{1, 3, 2}						
{1, 4, 3}	{2}						
{2}	{5, 1}						
{2, 1}	{4, 3, 1}						
{4, 5, 1}	{4}						
{2}	{4, 3, 2, 1}						
{5, 3, 1}	{4, 1}						
{2, 3, 5}	{2, 3}						
{5}	{5, 3, 4}						
{3, 2}	{2, 1, 3, 4}						
{1, 3}	{2, 5}						
{5}	{4}						
{4, 5}	{5, 1, 3, 4}						
{4}	{3, 1}						
{3, 2}	{2, 1, 4}						
{5, 1}	{4}						
{1, 2}	{5, 3}						
{1, 3, 5, 2}	{5, 2}						
{1, 4, 2}	{2, 4, 3, 5}						
{4, 1}	{3}						
{3}	{4, 2, 1}						
{1, 4, 5, 2}	{1, 3, 4}						
{2, 3, 5, 4}	{3, 4}						
{5, 4}	{2, 3, 4}						
{2, 5}	{3, 1}						
{2, 5, 3}	{2}						

## 13.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{3, 4}	{2, 4}						
{3, 2, 1}	{4, 1, 2}						
{2, 4, 1, 3}	{5, 1, 2, 4}						
{4, 3, 1}	{4, 1, 2, 3}						
{5, 4, 3}	{3, 5, 1, 4}						
{2, 4, 1}	{4}						
{1, 4}	{2, 4, 5}						
{2, 5, 3, 4}	{4}						
{3, 1, 5}	{4}						
{5, 3}	{3, 1, 4}						
{3, 4, 2, 5}	{3, 2, 4, 1}						
{5, 2}	{4, 5, 1}						
{4, 3, 1}	{2, 1, 3}						
{4, 3, 5, 1}	{3}						
{1, 4, 2}	{4}						
{3}	{5, 3, 1}						
{4, 3}	{1}						
{2, 1}	{2, 4, 3, 5}						
{2}	{2, 5, 3}						
{2, 5}	{3}						
{2, 1, 5}	{3}						
{1, 3, 4, 2}	{4}						
{2, 4}	{4}						
{1, 4}	{1, 4, 3, 2}						
{3, 4, 1, 2}	{2, 5, 3}						
{2, 5}	{5, 1, 4}						
{5}	{3, 2, 1}						
{5, 1, 2, 4}	{1, 3}						
{5, 1}	{3, 2, 5, 1}						
{4, 3}	{5}						

## 14.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 2, 4}	{2, 5}						
{5, 1}	{4}						
{1, 2}	{2, 3, 4, 5}						
{5, 2, 3}	{2, 4, 1}						
{4, 3}	{5, 1, 2, 4}						
{1}	{2, 4, 3, 5}						
{2, 4, 3}	{1, 5, 3, 4}						
{5, 3, 2, 1}	{4, 1, 2, 5}						
{4, 3, 1}	{2, 4}						
{2, 4, 1, 3}	{2, 5}						
{2}	{4, 2, 5, 1}						
{2, 4}	{4, 5, 3, 1}						
{3, 5}	{2, 1, 5, 4}						
{1, 4}	{1, 2, 4, 5}						
{4, 3}	{4, 3, 5}						
{4}	{5, 4}						
{3, 1, 5, 2}	{4, 1, 5, 3}						
{5, 2, 4, 1}	{3, 5}						
{5, 1, 4, 3}	{4, 3}						
{1, 4}	{4}						
{3, 5, 4, 1}	{5, 1, 3}						
{2, 1}	{3, 4, 2}						
{1, 2}	{3, 2}						
{4}	{3, 4, 2, 5}						
{1, 2}	{3, 5, 4, 2}						
{3}	{2, 4}						
{2, 5}	{1, 2}						
{5, 3, 4, 2}	{1}						
{4, 1, 2}	{4}						
{1, 5, 2}	{5, 2}						

## 15.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 1, 4, 2}	{5, 3, 2, 4}						
{4}	{3}						
{4, 1, 2}	{4}						
{1}	{5}						
{5}	{4, 1}						
{5}	{3, 4}						
{4, 2, 5, 1}	{4, 5, 2}						
{4, 1, 3, 2}	{3, 5}						
{3, 5, 1}	{5, 3, 4}						
{2, 4, 3, 1}	{3, 2, 4}						
{2, 3, 5}	{3, 1, 5, 4}						
{1}	{2}						
{5, 3, 4}	{3, 1, 2}						
{5, 3}	{3, 2, 5}						
{1}	{3}						
{4, 1, 5, 3}	{1, 5, 2}						
{3, 5, 4, 2}	{4, 5}						
{1, 3, 4}	{3, 1}						
{2}	{4, 2, 1}						
{2, 3, 1}	{1, 4, 5, 3}						
{5, 2}	{4, 5}						
{2, 3}	{2, 3, 1, 4}						
{4, 3, 1, 2}	{2, 3, 1, 5}						
{5, 3, 4, 1}	{5, 4, 1}						
{3, 1, 5}	{5, 3, 1, 4}						
{2}	{2, 3, 1, 4}						
{5, 3, 4}	{5, 2}						
{3}	{2, 5, 3}						
{5, 3}	{4, 5}						
{3, 2}	{1, 3, 2, 4}						



## 16.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 4, 2}	{5, 2}						
{4, 3, 1}	{2, 5}						
{3}	{3}						
{5, 3, 4, 1}	{5, 2, 1, 4}						
{4, 5, 1, 2}	{1, 2, 3, 5}						
{5, 4}	{4, 5}						
{5, 3, 4}	{1, 3, 2, 5}						
{2, 3, 5, 1}	{2}						
{1, 2, 4}	{1}						
{1}	{3, 5, 1}						
{1, 5}	{5, 1, 4}						
{2, 4, 1}	{5, 1, 3, 4}						
{1}	{2, 5}						
{1, 2}	{5, 4, 2, 1}						
{1, 5, 2}	{4, 1, 2}						
{2, 5, 1, 4}	{3, 1}						
{4, 5, 1, 2}	{2}						
{5}	{1, 4, 5, 3}						
{1, 3}	{1}						
{3, 5}	{1, 3, 5, 4}						
{2, 1, 3}	{1, 5, 3, 4}						
{5}	{2, 3, 5, 4}						
{5, 1}	{1}						
{5, 2}	{1, 5, 4}						
{5, 2, 1, 4}	{1}						
{3, 4, 2}	{4, 5, 2, 1}						
{4, 3, 5, 1}	{5, 4}						
{4, 3, 2, 5}	{5, 1, 3}						
{2, 4}	{5}						
{2, 5}	{2, 5, 3}						

## 17.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1}	{3, 5, 4}						
{2, 5, 4}	{4}						
{4}	{3, 5, 2}						
{1}	{1}						
{4, 1, 2}	{2, 4, 1, 5}						
{1, 3, 4}	{4, 2, 1, 3}						
{1, 3, 4}	{4, 1, 2}						
{5, 1, 2}	{3}						
{5}	{4, 3, 1, 2}						
{4}	{5, 2, 3}						
{2, 3, 1, 4}	{4, 5, 2, 3}						
{2, 5, 3, 1}	{5, 4, 3, 1}						
{3, 4, 1, 5}	{1, 2, 4}						
{5}	{5, 2}						
{3, 2, 5}	{2}						
{5, 2}	{2}						
{1}	{2, 4}						
{4, 3, 2, 1}	{5}						
{1, 5, 3}	{3}						
{3, 1, 4, 2}	{2, 4, 3}						
{1, 4, 2}	{4}						
{2}	{3, 2, 5, 4}						
{2, 1, 4}	{3, 1}						
{3, 1}	{2, 5, 4, 3}						
{4}	{4, 1, 5}						
{2, 1, 5}	{4}						
{1, 3, 4}	{5, 1}						
{4}	{3, 1, 5}						
{3, 5, 4, 2}	{4, 2, 3}						
{2}	{3, 5, 4}						

## 18.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{2, 5, 4, 3}	{5, 3, 2}						
{2}	{2}						
{3, 5, 1, 2}	{4, 1}						
{1, 3, 2, 5}	{5, 2, 4}						
{5, 3}	{4, 5}						
{1}	{5, 4, 3}						
{3, 4, 2}	{2}						
{4, 5, 1, 2}	{3, 1, 2, 4}						
{5, 1, 4, 3}	{1, 4}						
{5}	{5, 2}						
{3, 4, 5}	{5, 1, 4}						
{1, 4, 2}	{1, 5, 4, 2}						
{3, 2, 4, 1}	{4, 5, 3}						
{2, 1}	{3, 1, 2, 4}						
{1}	{2, 4}						
{5, 1, 3}	{5}						
{5}	{1}						
{5, 4}	{1, 5}						
{4, 1, 5, 3}	{2, 5, 3, 4}						
{4, 1}	{1, 4, 3, 5}						
{4, 3, 2}	{4, 5, 3}						
{2, 1}	{4}						
{4, 5, 1, 2}	{5, 4, 3}						
{2}	{4, 3, 5}						
{4}	{5, 1}						
{2, 3}	{4}						
{3, 1, 2}	{3, 5, 2}						
{3}	{5, 2, 4, 1}						
{5}	{3, 5}						
{4}	{1, 2, 4}						

## 19.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{4, 5, 2, 3}	{4, 3}						
{1, 2, 3, 5}	{5, 4, 1}						
{2, 5, 3, 4}	{1}						
{5, 2, 4}	{4, 2}						
{5, 1, 3}	{1, 4, 5, 2}						
{3, 1, 2}	{5, 2}						
{5, 4}	{5, 3, 4, 1}						
{2, 4, 1}	{3, 4, 5, 2}						
{1, 5, 2, 3}	{3, 1, 5, 2}						
{4, 5, 2, 1}	{3, 2, 1}						
{4, 3, 1, 2}	{3}						
{2, 3, 4, 5}	{3, 1}						
{3, 5}	{3}						
{5}	{3, 5, 1}						
{1, 4, 2}	{5, 1, 4, 3}						
{3, 4, 2, 1}	{4, 3, 1, 2}						
{2}	{3, 5, 1, 4}						
{5}	{4, 5}						
{2, 5, 3}	{1}						
{3, 4, 1}	{4}						
{5, 3, 1}	{5, 2, 4, 1}						
{1, 4, 2, 5}	{1}						
{2}	{5, 1, 3, 2}						
{5, 2}	{1, 2}						
{2, 1, 4, 3}	{1, 3, 5}						
{1, 2, 3}	{5}						
{1, 3, 2, 5}	{3, 5, 4, 2}						
{3, 2}	{5}						
{5, 4}	{2}						
{4, 1, 2, 5}	{4, 1, 3, 2}						

20.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{2, 1}	{4, 3, 2}						
{2}	{4, 1, 5}						
{1, 3, 2}	{5, 2, 4, 1}						
{1, 5}	{2, 5}						
{2, 5, 4, 3}	{1, 2, 5}						
{3, 5, 1}	{3, 1, 4}						
{5, 3, 1}	{4, 1}						
{4}	{2, 4}						
{5, 1, 2}	{1}						
{5, 4}	{2, 4}						
{2, 4, 3}	{2}						
{3, 4, 5, 1}	{1, 2, 5, 3}						
{3, 2}	{3, 4}						
{4, 5, 2, 1}	{5, 3, 2, 1}						
{5, 1, 3, 2}	{4, 1}						
{2}	{4, 5, 1, 2}						
{1}	{1, 2, 3, 4}						
{2}	{5, 1}						
{1}	{4, 1, 3}						
{5, 3, 4}	{5}						
{1, 5, 3, 2}	{5, 1}						
{1, 4}	{2}						
{3}	{5, 4, 1, 2}						
{1}	{2, 1}						
{3, 5, 2, 4}	{2}						
{2, 1, 3, 5}	{3, 4}						
{2}	{2, 3, 4}						
{1, 2, 3, 5}	{3, 5, 2}						
{3, 4, 1, 5}	{1, 4, 5}						
{4, 3, 2}	{4}						

## 21.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5}	{2, 5, 1}						
{4}	{2, 4}						
{1, 4, 2}	{3, 5, 1, 4}						
{2, 5}	{4, 5, 1}						
{3}	{5}						
{5, 1, 3}	{1, 3}						
{1, 3, 5}	{1, 4, 3}						
{1, 4, 3}	{3}						
{5}	{1, 5, 2, 4}						
{2, 3}	{3, 5, 1, 2}						
{3}	{3, 5, 4}						
{4, 2, 5, 3}	{3, 4, 1}						
{5, 4, 3}	{3}						
{5, 1}	{1, 5, 2}						
{2, 5, 3, 1}	{3, 1, 2, 4}						
{1}	{1, 5, 3, 4}						
{1, 5}	{3}						
{5, 1, 2, 3}	{1, 4}						
{1}	{3, 1}						
{1, 3, 4}	{1}						
{2}	{3, 2, 4}						
{3, 2}	{2, 3, 4, 1}						
{4, 2, 1, 5}	{3}						
{3, 1}	{2, 1, 3, 4}						
{2, 4}	{3, 1, 2, 5}						
{3, 2}	{3, 4, 1}						
{3, 5, 4, 2}	{4, 3}						
{5}	{4, 1}						
{3}	{5, 2, 3, 4}						
{3, 1}	{4}						

22.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5}	{5}						
{1, 2}	{2, 4, 1, 5}						
{4}	{4, 2}						
{2}	{5, 4, 3}						
{1, 2, 3}	{4, 2}						
{1, 3}	{1, 4, 3}						
{1}	{5, 4, 2, 1}						
{2, 3}	{3, 1, 4}						
{4}	{2}						
{5, 2, 1, 4}	{1, 5, 2}						
{1, 4, 2}	{4}						
{3, 2, 4}	{3, 4, 1}						
{3, 4, 5}	{2}						
{4, 2, 1}	{5, 1, 3, 2}						
{5}	{1, 2, 3, 5}						
{4, 2}	{1, 2, 3, 4}						
{4, 3}	{4}						
{1}	{2, 4, 5, 1}						
{4, 1, 5}	{4}						
{2, 5, 3}	{3}						
{4}	{1, 4, 5}						
{1, 2}	{2, 4}						
{5, 2, 4}	{4, 2}						
{2, 1, 3}	{5}						
{1, 2, 5, 3}	{5, 3, 1}						
{1, 2, 3}	{1, 5}						
{4, 3, 1}	{1}						
{5, 2, 3}	{3, 2}						
{2, 4, 1}	{5, 4, 3, 2}						
{4, 1}	{3, 2, 1}						

23.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1, 5, 3, 2}	{3, 2}						
{1}	{3}						
{1, 2, 5, 4}	{5}						
{3, 1, 2}	{1, 4}						
{5, 4, 2, 1}	{3}						
{1, 4, 3}	{3, 2, 4}						
{4, 1, 3}	{4, 3}						
{1, 3, 5, 2}	{1, 2, 3, 4}						
{2}	{3, 5, 1}						
{5}	{5, 3}						
{1}	{2}						
{2, 4}	{3, 1, 5, 2}						
{5, 2}	{3, 5}						
{1, 5, 2}	{3}						
{4, 3, 2, 1}	{5, 4}						
{2, 5}	{2}						
{4, 1, 3, 2}	{4, 3}						
{2, 5, 1, 3}	{2}						
{2, 4}	{3, 4, 5}						
{5, 4, 3}	{3, 4, 5, 1}						
{2}	{4, 3}						
{4, 1, 5, 3}	{5, 2}						
{4, 3, 5}	{3, 2}						
{4, 3, 5}	{1, 4}						
{3, 4}	{5, 2}						
{4, 1}	{4, 3, 5}						
{2, 4, 3, 5}	{5, 4}						
{5, 4, 1, 3}	{4, 2}						
{4, 1, 2, 5}	{4, 5, 3, 2}						
{4, 3, 5, 1}	{3}						



24.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 2}	{5, 4, 1}						
{4, 1, 5, 3}	{4}						
{1}	{5, 1}						
{4, 1}	{5, 3, 2}						
{5, 1}	{3, 5, 4}						
{5}	{1, 2, 4}						
{5, 4, 3, 1}	{3, 1, 4, 5}						
{5, 4}	{4, 5, 1}						
{4, 2, 5, 1}	{4, 2}						
{4, 3}	{3, 4, 1, 2}						
{3, 1, 2}	{1, 2}						
{5}	{1, 3}						
{4}	{4}						
{4, 1}	{3, 4, 5}						
{4, 2, 1, 5}	{3}						
{4, 2, 1}	{2, 5, 3, 4}						
{1, 3, 4}	{2, 4, 3}						
{2}	{4}						
{4, 2, 1}	{3, 4, 1, 2}						
{1, 3, 4}	{4}						
{5, 1, 3}	{5}						
{5, 2, 1, 3}	{2, 1}						
{3, 5, 1, 2}	{5, 3, 4, 1}						
{2}	{1, 3, 4, 2}						
{1, 2, 5}	{4, 5, 2, 3}						
{5, 1, 2, 4}	{3, 4, 2, 1}						
{2, 4}	{1, 4}						
{1, 4, 2, 3}	{3, 2}						
{4, 2}	{3, 2, 5}						
{4, 5, 1, 3}	{3}						

25.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1, 3, 2, 5}	{2, 1}						
{1, 3, 4, 2}	{4, 1}						
{5, 2, 1, 4}	{2}						
{1, 2, 3, 4}	{3, 1}						
{5, 1}	{5}						
{5, 4, 1}	{5, 4, 2, 3}						
{1, 2, 3}	{1, 2, 5}						
{4}	{4, 5, 3}						
{3}	{4, 2, 3, 5}						
{5, 1, 2, 3}	{3, 5, 4, 1}						
{4, 3, 5, 1}	{5, 4, 3}						
{1, 3}	{5, 2, 3}						
{2, 1, 5, 4}	{5}						
{2}	{3, 4, 2, 5}						
{2}	{2, 5, 1, 4}						
{5, 2, 4, 3}	{4, 5, 1}						
{4, 5}	{5}						
{3}	{5}						
{1, 4}	{1, 5, 2, 4}						
{1, 3, 2, 5}	{4, 2, 5, 1}						
{2}	{1, 4, 2, 3}						
{3, 4, 1, 2}	{2, 3, 1}						
{3}	{2, 3}						
{3, 5}	{3, 4, 5}						
{4, 2}	{3, 1, 2, 5}						
{5, 1, 2, 3}	{2, 4, 5}						
{1, 4, 5}	{5, 1, 3}						
{1, 3, 2, 5}	{2, 5, 3, 4}						
{2, 3, 1}	{1, 2, 5}						
{1, 4, 2}	{2, 4}						

26.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1}	{2}						
{2}	{1, 4}						
{3, 5, 1}	{5, 1, 2}						
{5, 3, 2, 4}	{4, 2, 5, 3}						
{5, 2}	{4}						
{4}	{4, 3}						
{2, 3, 1}	{5}						
{2}	{4, 3, 5}						
{2, 3, 5}	{4}						
{2, 1, 5, 4}	{2, 3, 1, 5}						
{4, 1, 5, 3}	{5, 1, 3, 2}						
{1, 5, 2}	{3, 2, 4}						
{4}	{3, 1, 5}						
{3}	{5, 2, 1}						
{4, 2, 3}	{3, 2, 4, 1}						
{2}	{1, 5, 4}						
{2, 3, 5}	{5}						
{5}	{1, 4, 2}						
{1, 2}	{1, 2}						
{2, 4, 5}	{1, 4, 5}						
{4, 2}	{1, 2}						
{5, 1, 4}	{5, 1, 2}						
{4}	{5, 1, 2, 4}						
{1, 4, 2}	{4, 1}						
{3}	{3, 1, 5}						
{3, 4, 2, 1}	{5, 2, 4, 1}						
{4, 1, 5, 3}	{4, 5, 3}						
{3, 4, 1}	{5, 1}						
{4, 1}	{5, 3}						
{5, 4, 1, 3}	{5}						

27.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{4, 1, 3, 2}	{1}						
{4, 1, 3, 2}	{2, 3}						
{3, 4}	{2}						
{1, 4, 5, 3}	{5, 1, 2}						
{3}	{2, 5, 3, 1}						
{1}	{4}						
{3, 4, 2, 1}	{3, 4}						
{2}	{1, 3, 4, 2}						
{2, 1, 4, 3}	{4, 1, 2, 5}						
{1, 4}	{2}						
{1, 3, 4}	{5, 1, 2}						
{2, 5, 3}	{3, 5, 2}						
{5, 3, 2}	{3}						
{4, 3}	{2, 4, 3}						
{3, 1}	{5, 1, 3}						
{2}	{5, 1}						
{5}	{1}						
{4, 1, 2, 5}	{2}						
{2, 4}	{3}						
{4, 5}	{4}						
{2, 3}	{2, 1, 5}						
{3}	{2, 4, 1}						
{4, 1, 5}	{4}						
{5, 1, 3, 2}	{4, 3, 5, 2}						
{1, 4}	{4, 3, 1, 5}						
{1}	{5, 1, 4}						
{4, 2, 3}	{5, 3}						
{5, 1, 4, 2}	{2, 5, 3}						
{1, 5, 3}	{2, 4}						
{1, 3, 2, 4}	{3, 5, 4, 1}						

28.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{4, 2, 5}	{4, 5, 1, 2}						
{2}	{3, 1, 5, 4}						
{1}	{4, 2, 3}						
{1, 2, 5}	{4, 5}						
{5, 1}	{4, 1, 5, 2}						
{2, 1, 4}	{1, 5, 2, 3}						
{1, 2}	{3, 1, 2, 4}						
{5, 3, 2}	{3, 2, 1, 4}						
{1, 3, 4, 5}	{1}						
{5}	{5}						
{3, 2}	{5, 2}						
{2, 5}	{3, 5, 2, 4}						
{3}	{4, 1, 2, 5}						
{3, 1, 4}	{3, 1, 5, 4}						
{5}	{1, 2, 5}						
{2, 5, 1, 4}	{5, 3}						
{4}	{2, 4}						
{4}	{5, 2}						
{1, 5, 2}	{1, 2, 3, 4}						
{5, 3, 2, 1}	{4, 1, 3}						
{5, 3, 2, 4}	{2, 1}						
{2, 4}	{2, 3}						
{3, 2, 5, 1}	{4, 3}						
{1, 4, 2, 3}	{3, 2, 1}						
{3, 2, 1}	{1, 3, 5}						
{1, 5, 4, 3}	{1}						
{1, 5}	{4}						
{3}	{5}						
{3, 5}	{5, 3, 1, 4}						
{4, 2}	{1, 4, 2, 5}						

29.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{2}	{5, 4}						
{1, 4}	{3}						
{5, 4}	{2, 5, 3, 4}						
{2, 3, 4}	{5, 3, 2, 1}						
{2}	{3}						
{5}	{1, 5, 3}						
{5, 4}	{3, 2}						
{4, 3}	{1, 2}						
{4, 2, 1, 3}	{4, 2, 3}						
{4, 5, 2, 1}	{2, 1}						
{4, 3}	{1, 5, 4}						
{4, 2, 5}	{4, 1, 2}						
{5, 4}	{1, 3, 5}						
{2, 3}	{5, 4}						
{3, 4, 2}	{4, 2}						
{1}	{3, 5, 2, 1}						
{2}	{3, 2}						
{2, 1, 5}	{2, 3, 5}						
{4, 5}	{3, 5}						
{5}	{1, 5, 4}						
{4, 2, 5, 1}	{5, 2}						
{1, 2, 5, 3}	{4, 3}						
{4, 3, 5}	{3, 1, 5}						
{3}	{5, 1, 2, 3}						
{5}	{5, 4, 2, 3}						
{3, 4}	{4, 3, 5}						
{4, 5}	{3, 4, 1, 5}						
{1}	{1, 5, 2, 3}						
{2}	{1, 3}						
{4, 1}	{1, 3}						

30.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{4, 1, 2}	{4, 2}						
{2}	{1, 4}						
{2}	{3, 1, 2, 4}						
{2}	{5}						
{3, 1}	{5, 1, 4, 2}						
{4}	{3, 2, 1, 4}						
{3}	{2, 5, 1, 3}						
{2, 1, 5, 3}	{1, 5}						
{3, 4, 2}	{4, 1, 3}						
{5}	{4}						
{5}	{2, 4, 1}						
{2, 3}	{2}						
{5}	{2}						
{5, 1, 3}	{4, 1, 5, 2}						
{5, 1, 4, 3}	{5, 4, 2, 3}						
{5, 2, 3}	{2, 1, 5}						
{1}	{2, 4, 5}						
{5}	{3}						
{5, 3, 1}	{5}						
{2, 1}	{5}						
{1, 3, 4, 2}	{4}						
{2, 5, 4}	{4}						
{5, 2, 4}	{4, 1, 2}						
{3, 4}	{3, 4, 5}						
{2, 4, 5, 3}	{5, 4}						
{2, 5, 3, 4}	{3, 2, 4, 5}						
{5}	{1}						
{3, 5}	{5}						
{2}	{5, 1, 2, 3}						
{1, 5, 2}	{1, 4}						

Rešitve:

## 1.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 3, 2, 1}	{5}	N	R	N	N	N	R
{1, 4, 5, 3}	{2}	N	N	N	R	N	N
{5, 1}	{1}	N	R	N	N	N	R
{5, 1, 4, 2}	{5}	N	R	N	N	N	R
{5, 2, 1}	{5, 3, 2, 1}	R	N	N	N	R	N
{4, 1}	{3, 1}	N	N	N	N	N	N
{2, 3, 1, 5}	{1, 3}	N	R	N	N	N	R
{3, 4}	{3, 4}	R	R	R	N	R	R
{2}	{1}	N	N	N	R	N	N
{2, 5, 4}	{4}	N	R	N	N	N	R
{5, 2, 3}	{5, 1}	N	N	N	N	N	N
{3, 4, 2}	{1, 2}	N	N	N	N	N	N
{3, 2, 5, 1}	{4, 2}	N	N	N	N	N	N
{3, 5, 1, 2}	{2, 3, 4, 1}	N	N	N	N	N	N
{3, 4}	{2}	N	N	N	R	N	N
{3, 4, 5}	{5, 3, 2, 1}	N	N	N	N	N	N
{5}	{4, 1, 2, 5}	R	N	N	N	R	N
{2, 5, 3}	{5, 2, 4, 1}	N	N	N	N	N	N
{4, 3, 1, 5}	{3, 4, 2, 1}	N	N	N	N	N	N
{1, 3}	{3, 2, 4, 1}	R	N	N	N	R	N
{1}	{4}	N	N	N	R	N	N
{3}	{3, 4}	R	N	N	N	R	N
{1, 2}	{2, 3, 4, 5}	N	N	N	N	N	N
{1, 5, 4}	{1}	N	R	N	N	N	R
{3}	{2, 5}	N	N	N	R	N	N
{4}	{1, 3, 4, 2}	R	N	N	N	R	N
{3, 1, 4, 2}	{3, 2, 1, 5}	N	N	N	N	N	N
{4, 1, 2}	{4, 3, 5, 2}	N	N	N	N	N	N
{3, 5, 4, 2}	{2, 5, 4}	N	R	N	N	N	R
{4, 3}	{2, 5, 1}	N	N	N	R	N	N



## 2.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{2, 3, 4}	{3}	N	R	N	N	N	R
{1, 2, 3, 5}	{3, 4, 2, 5}	N	N	N	N	N	N
{2, 5, 1}	{3, 1, 2}	N	N	N	N	N	N
{2, 5}	{3, 2, 1, 4}	N	N	N	N	N	N
{2, 3}	{1, 2}	N	N	N	N	N	N
{3, 1, 5, 4}	{4, 3, 5, 2}	N	N	N	N	N	N
{5, 1, 2}	{4}	N	N	N	R	N	N
{5, 3}	{2, 1, 4}	N	N	N	R	N	N
{2}	{2}	R	R	R	N	R	R
{5, 1, 2, 3}	{4, 5, 3}	N	N	N	N	N	N
{3, 2, 1}	{2, 5}	N	N	N	N	N	N
{3, 5, 4, 2}	{2, 3, 4, 1}	N	N	N	N	N	N
{5, 4, 3}	{4, 2, 3, 5}	R	N	N	N	R	N
{2}	{4, 1, 2, 3}	R	N	N	N	R	N
{4, 3}	{3}	N	R	N	N	N	R
{5, 4}	{4, 5}	R	R	R	N	R	R
{3, 1, 5}	{3, 5}	N	R	N	N	N	R
{2}	{2, 5, 1}	R	N	N	N	R	N
{2, 3}	{2}	N	R	N	N	N	R
{5, 1, 3}	{4, 1, 5, 3}	R	N	N	N	R	N
{1}	{3}	N	N	N	R	N	N
{2, 3, 4, 5}	{5, 1, 4, 2}	N	N	N	N	N	N
{2, 3, 5}	{4}	N	N	N	R	N	N
{3}	{3, 4, 2}	R	N	N	N	R	N
{1, 4, 5}	{1}	N	R	N	N	N	R
{1, 5, 4, 3}	{5}	N	R	N	N	N	R
{1, 5, 2}	{3}	N	N	N	R	N	N
{3, 4}	{5, 4, 3}	R	N	N	N	R	N
{5}	{5}	R	R	R	N	R	R
{3, 5}	{1}	N	N	N	R	N	N

## 3.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1, 4}	{5, 1, 4, 2}	R	N	N	N	R	N
{5, 4, 1}	{2, 4, 5}	N	N	N	N	N	N
{1, 4, 5, 3}	{3, 4}	N	R	N	N	N	R
{4, 5, 2, 1}	{2}	N	R	N	N	N	R
{4, 3}	{5, 2}	N	N	N	R	N	N
{2}	{1, 3}	N	N	N	R	N	N
{5}	{2, 1, 4}	N	N	N	R	N	N
{2, 1, 5, 4}	{2}	N	R	N	N	N	R
{3, 2}	{5, 3}	N	N	N	N	N	N
{5, 4, 3, 1}	{5}	N	R	N	N	N	R
{4, 3, 5}	{2, 1, 4, 3}	N	N	N	N	N	N
{3}	{1, 4, 3, 5}	R	N	N	N	R	N
{3}	{3, 4}	R	N	N	N	R	N
{1, 2, 4, 3}	{5, 4, 3}	N	N	N	N	N	N
{3}	{4}	N	N	N	R	N	N
{3}	{4, 3}	R	N	N	N	R	N
{5, 3}	{5}	N	R	N	N	N	R
{1, 3}	{3, 1, 5, 2}	R	N	N	N	R	N
{1, 3, 5}	{2, 1, 5}	N	N	N	N	N	N
{2, 4, 1, 3}	{4, 2, 3, 5}	N	N	N	N	N	N
{1, 5, 3}	{1}	N	R	N	N	N	R
{5, 4}	{5, 1, 4, 3}	R	N	N	N	R	N
{5}	{3, 2, 1, 5}	R	N	N	N	R	N
{4, 3, 1}	{3, 1}	N	R	N	N	N	R
{3, 2, 4, 5}	{2}	N	R	N	N	N	R
{1, 3, 2, 5}	{1}	N	R	N	N	N	R
{3, 2, 1}	{2, 4, 1}	N	N	N	N	N	N
{4, 1, 5, 3}	{4, 1, 5, 3}	R	R	R	N	R	R
{4, 1, 5, 2}	{5, 4}	N	R	N	N	N	R
{4}	{2, 1}	N	N	N	R	N	N

## 4.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{4, 1, 3}	{2, 4, 1, 3}	R	N	N	N	R	N
{4, 2, 3, 5}	{2, 4, 5}	N	R	N	N	N	R
{3, 1}	{2, 5, 4, 3}	N	N	N	N	N	N
{4, 3, 2}	{5, 1, 3}	N	N	N	N	N	N
{2, 1}	{1}	N	R	N	N	N	R
{2}	{4}	N	N	N	R	N	N
{3, 1, 5, 4}	{2, 4, 1, 3}	N	N	N	N	N	N
{4, 2, 3, 5}	{4, 1, 3}	N	N	N	N	N	N
{1, 5, 3, 4}	{3, 1}	N	R	N	N	N	R
{5, 1, 3}	{5, 3, 1}	R	R	R	N	R	R
{4, 5}	{3}	N	N	N	R	N	N
{2}	{5, 2}	R	N	N	N	R	N
{5, 3}	{4, 5}	N	N	N	N	N	N
{4}	{1}	N	N	N	R	N	N
{3, 2, 5}	{1}	N	N	N	R	N	N
{5, 2}	{2, 3, 4}	N	N	N	N	N	N
{3, 1}	{5, 2, 4, 3}	N	N	N	N	N	N
{1, 2, 4}	{1, 4}	N	R	N	N	N	R
{1, 5, 3, 2}	{2, 3, 4, 1}	N	N	N	N	N	N
{5, 1, 4}	{1, 3}	N	N	N	N	N	N
{4, 2, 1}	{1, 4}	N	R	N	N	N	R
{3, 4, 2, 1}	{4, 2, 5, 3}	N	N	N	N	N	N
{3, 2}	{1, 4, 3}	N	N	N	N	N	N
{5, 3, 1, 2}	{2}	N	R	N	N	N	R
{1, 4, 5}	{5, 4, 3, 1}	R	N	N	N	R	N
{5, 1, 3}	{5, 3, 1}	R	R	R	N	R	R
{2, 1, 4, 3}	{5, 1, 3, 2}	N	N	N	N	N	N
{2, 1, 5}	{2, 4, 3, 5}	N	N	N	N	N	N
{2, 5}	{5, 2}	R	R	R	N	R	R
{2, 1, 5}	{4, 3}	N	N	N	R	N	N

## 5.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1}	{4}	N	N	N	R	N	N
{4, 1, 3}	{5, 1, 4, 2}	N	N	N	N	N	N
{1, 4}	{3, 5, 1, 2}	N	N	N	N	N	N
{1, 3, 5, 2}	{3, 2}	N	R	N	N	N	R
{1}	{4}	N	N	N	R	N	N
{2, 4, 3}	{1}	N	N	N	R	N	N
{3, 2, 4}	{1}	N	N	N	R	N	N
{1}	{1, 4, 5, 3}	R	N	N	N	R	N
{5}	{3, 1, 5, 4}	R	N	N	N	R	N
{4, 3, 5, 2}	{3}	N	R	N	N	N	R
{2, 4, 3}	{3, 1, 2, 4}	R	N	N	N	R	N
{1}	{3, 4, 5}	N	N	N	R	N	N
{1}	{1}	R	R	R	N	R	R
{1}	{4, 5}	N	N	N	R	N	N
{2}	{2, 1, 4}	R	N	N	N	R	N
{3, 4}	{2, 5}	N	N	N	R	N	N
{2, 5}	{2}	N	R	N	N	N	R
{2, 1, 4, 5}	{5, 1}	N	R	N	N	N	R
{2, 3, 5}	{3, 2}	N	R	N	N	N	R
{2, 1, 3, 5}	{5, 1, 3, 2}	R	R	R	N	R	R
{1}	{5, 3}	N	N	N	R	N	N
{3, 1, 5}	{2}	N	N	N	R	N	N
{4}	{3}	N	N	N	R	N	N
{1, 5}	{3, 2}	N	N	N	R	N	N
{4, 1, 5, 2}	{5, 4, 2, 1}	R	R	R	N	R	R
{3, 2, 5}	{5}	N	R	N	N	N	R
{5, 3}	{3}	N	R	N	N	N	R
{4, 2}	{4}	N	R	N	N	N	R
{5}	{1, 4, 5}	R	N	N	N	R	N
{3}	{5, 4, 1, 2}	N	N	N	R	N	N

## 6.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{2, 1}	{1}	N	R	N	N	N	R
{4, 1, 2, 5}	{1, 5, 3}	N	N	N	N	N	N
{5, 4, 3}	{4}	N	R	N	N	N	R
{5, 3, 4, 1}	{2}	N	N	N	R	N	N
{3, 4, 1, 5}	{2, 1}	N	N	N	N	N	N
{5}	{1, 5}	R	N	N	N	R	N
{3, 1, 4, 2}	{2, 3, 5}	N	N	N	N	N	N
{4, 5}	{3, 4, 1}	N	N	N	N	N	N
{5, 1, 3}	{1, 5}	N	R	N	N	N	R
{4, 3}	{4, 5, 3, 2}	R	N	N	N	R	N
{1, 3, 2, 5}	{3, 2, 1}	N	R	N	N	N	R
{2, 3, 1}	{4, 5}	N	N	N	R	N	N
{4, 3, 5}	{3, 4, 5, 1}	R	N	N	N	R	N
{3, 1, 2, 5}	{5, 1, 2, 3}	R	R	R	N	R	R
{5, 3, 2}	{3}	N	R	N	N	N	R
{1, 4}	{1, 4, 3, 5}	R	N	N	N	R	N
{5, 4, 1, 2}	{1}	N	R	N	N	N	R
{2, 5}	{3, 1, 4}	N	N	N	R	N	N
{1, 5, 3, 2}	{3}	N	R	N	N	N	R
{4, 5, 2}	{1, 4, 5}	N	N	N	N	N	N
{2, 1, 4, 5}	{4, 3, 5, 1}	N	N	N	N	N	N
{1, 2, 4}	{4, 3}	N	N	N	N	N	N
{3}	{4, 3, 5}	R	N	N	N	R	N
{3, 2, 4, 5}	{1, 3, 2, 4}	N	N	N	N	N	N
{1, 3, 4, 5}	{5, 4, 2}	N	N	N	N	N	N
{2, 3, 5, 1}	{5}	N	R	N	N	N	R
{3, 2}	{2, 4, 1, 3}	R	N	N	N	R	N
{2, 5, 4, 1}	{3, 5}	N	N	N	N	N	N
{2}	{2, 3, 4, 5}	R	N	N	N	R	N
{3}	{1, 2, 3, 5}	R	N	N	N	R	N

## 7.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 4, 2}	{1, 5, 4, 2}	R	N	N	N	R	N
{3}	{3}	R	R	R	N	R	R
{3, 4, 5, 2}	{1, 4}	N	N	N	N	N	N
{2, 3, 1, 5}	{5, 2, 1, 3}	R	R	R	N	R	R
{1}	{5, 1}	R	N	N	N	R	N
{3, 5, 1, 4}	{4, 1}	N	R	N	N	N	R
{2, 5}	{5, 1}	N	N	N	N	N	N
{1}	{1, 4, 3}	R	N	N	N	R	N
{5, 4, 3}	{1, 2, 5}	N	N	N	N	N	N
{5, 1, 4}	{5}	N	R	N	N	N	R
{2, 4, 5}	{4, 5, 2, 1}	R	N	N	N	R	N
{5, 4}	{1, 2, 5, 4}	R	N	N	N	R	N
{3, 2}	{2, 4, 1, 3}	R	N	N	N	R	N
{5, 2, 4, 1}	{3, 4, 5}	N	N	N	N	N	N
{2, 1, 4, 3}	{4, 2, 3, 1}	R	R	R	N	R	R
{4, 2, 5}	{5, 4}	N	R	N	N	N	R
{3, 1, 4}	{2, 1}	N	N	N	N	N	N
{4, 2}	{1, 5, 3}	N	N	N	R	N	N
{5, 3, 4}	{4}	N	R	N	N	N	R
{3, 5, 1}	{3}	N	R	N	N	N	R
{4}	{4, 2, 1}	R	N	N	N	R	N
{2, 4, 5, 1}	{3, 2}	N	N	N	N	N	N
{5, 1}	{3, 5, 1}	R	N	N	N	R	N
{1, 3, 5}	{5, 4, 2, 3}	N	N	N	N	N	N
{1, 5, 3}	{4, 2}	N	N	N	R	N	N
{1, 4, 5}	{1, 3, 2}	N	N	N	N	N	N
{5, 4}	{5, 1, 3}	N	N	N	N	N	N
{4, 1, 3, 5}	{5, 1, 3}	N	R	N	N	N	R
{5, 3, 2, 1}	{1, 3, 2}	N	R	N	N	N	R
{2}	{3}	N	N	N	R	N	N

## 8.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{3, 2, 1, 5}	{2}	N	R	N	N	N	R
{2, 1, 5}	{5}	N	R	N	N	N	R
{1, 3}	{4}	N	N	N	R	N	N
{3, 1, 2, 4}	{4, 2}	N	R	N	N	N	R
{3, 1}	{3, 1, 5}	R	N	N	N	R	N
{5, 4, 2}	{4, 2}	N	R	N	N	N	R
{2, 1, 4, 3}	{3, 5, 2}	N	N	N	N	N	N
{2, 1}	{5, 1, 4}	N	N	N	N	N	N
{4, 2, 5}	{2, 5, 1}	N	N	N	N	N	N
{3}	{4, 5}	N	N	N	R	N	N
{1, 5}	{2, 5, 3, 4}	N	N	N	N	N	N
{4, 3, 5, 2}	{2}	N	R	N	N	N	R
{3, 2, 5, 4}	{1}	N	N	N	R	N	N
{4, 5}	{5, 2}	N	N	N	N	N	N
{4, 3}	{1, 4, 3, 5}	R	N	N	N	R	N
{1, 3, 5, 2}	{3, 2, 4}	N	N	N	N	N	N
{2}	{3, 5}	N	N	N	R	N	N
{2}	{4}	N	N	N	R	N	N
{2, 4, 5}	{2, 4, 5, 3}	R	N	N	N	R	N
{1, 4}	{4, 1, 3, 2}	R	N	N	N	R	N
{4, 2, 1, 3}	{2, 4}	N	R	N	N	N	R
{2, 5}	{4, 5}	N	N	N	N	N	N
{5}	{4}	N	N	N	R	N	N
{3, 1, 4, 5}	{2, 3, 4, 1}	N	N	N	N	N	N
{4, 3, 2, 1}	{2, 3, 1}	N	R	N	N	N	R
{1, 3, 5, 4}	{4, 2}	N	N	N	N	N	N
{1, 5}	{1}	N	R	N	N	N	R
{1, 2, 3}	{2, 3, 1}	R	R	R	N	R	R
{2}	{5, 1, 3, 4}	N	N	N	R	N	N
{4, 1, 3}	{3, 1, 5}	N	N	N	N	N	N

## 9.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{3, 2}	{1, 2, 4}	N	N	N	N	N	N
{4, 1}	{5, 4, 1, 2}	R	N	N	N	R	N
{2, 4, 3, 5}	{5, 3, 4}	N	R	N	N	N	R
{5}	{4, 1}	N	N	N	R	N	N
{4, 3}	{1, 5, 4, 3}	R	N	N	N	R	N
{5, 3, 2}	{4, 1, 2, 3}	N	N	N	N	N	N
{4, 5, 1}	{1}	N	R	N	N	N	R
{4, 2, 1, 5}	{4, 3}	N	N	N	N	N	N
{1, 5}	{3, 4, 5}	N	N	N	N	N	N
{2, 4, 3, 1}	{1, 4, 3}	N	R	N	N	N	R
{3, 2}	{5}	N	N	N	R	N	N
{5, 3, 2, 4}	{5}	N	R	N	N	N	R
{2}	{2, 5, 3, 4}	R	N	N	N	R	N
{4, 2, 5, 1}	{5, 4, 1, 2}	R	R	R	N	R	R
{5, 1, 4, 3}	{5, 3, 4}	N	R	N	N	N	R
{2}	{4}	N	N	N	R	N	N
{3, 4}	{4}	N	R	N	N	N	R
{4}	{1, 5}	N	N	N	R	N	N
{2}	{1, 3}	N	N	N	R	N	N
{2, 5, 4}	{4, 5, 2, 3}	R	N	N	N	R	N
{3, 1, 4}	{5, 1, 2}	N	N	N	N	N	N
{4, 3}	{4, 3}	R	R	R	N	R	R
{4}	{5, 1, 2}	N	N	N	R	N	N
{3, 5, 2}	{5, 4, 2}	N	N	N	N	N	N
{5, 3, 2}	{5, 3, 4, 1}	N	N	N	N	N	N
{1, 2, 5}	{5, 2, 1, 4}	R	N	N	N	R	N
{3, 2}	{3}	N	R	N	N	N	R
{2, 1}	{1, 2, 4, 3}	R	N	N	N	R	N
{1}	{3, 4, 2}	N	N	N	R	N	N
{1, 2, 5}	{1}	N	R	N	N	N	R



## 10.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1, 2, 5, 4}	{5, 1, 2, 4}	R	R	R	N	R	R
{3, 2}	{3, 5, 4, 1}	N	N	N	N	N	N
{2, 1, 5}	{1}	N	R	N	N	N	R
{4, 2, 3, 5}	{2}	N	R	N	N	N	R
{2, 4}	{1}	N	N	N	R	N	N
{4, 5}	{5, 2, 3, 4}	R	N	N	N	R	N
{4, 5}	{2, 1, 5}	N	N	N	N	N	N
{3, 4, 2, 1}	{4}	N	R	N	N	N	R
{4, 2, 1, 3}	{2}	N	R	N	N	N	R
{5, 1}	{4}	N	N	N	R	N	N
{5, 3, 1, 4}	{3, 4, 2}	N	N	N	N	N	N
{5, 3, 2}	{4}	N	N	N	R	N	N
{3}	{3, 1, 4}	R	N	N	N	R	N
{2, 5, 1, 3}	{3}	N	R	N	N	N	R
{3}	{3}	R	R	R	N	R	R
{2, 3, 4}	{5, 3, 4}	N	N	N	N	N	N
{2, 5}	{2, 5, 4, 3}	R	N	N	N	R	N
{3, 2, 5, 4}	{2, 3, 5}	N	R	N	N	N	R
{4, 2, 5}	{1, 5}	N	N	N	N	N	N
{1, 5}	{3, 2, 4, 1}	N	N	N	N	N	N
{5, 2}	{1}	N	N	N	R	N	N
{2, 4}	{4, 3, 1, 2}	R	N	N	N	R	N
{5}	{1}	N	N	N	R	N	N
{4, 3, 5}	{5, 1, 4, 3}	R	N	N	N	R	N
{3, 1}	{4, 5}	N	N	N	R	N	N
{2, 1, 4, 3}	{3}	N	R	N	N	N	R
{5, 3}	{5, 3, 4}	R	N	N	N	R	N
{3, 2}	{1}	N	N	N	R	N	N
{3, 5}	{5, 4, 3}	R	N	N	N	R	N
{2, 4, 1}	{4, 3}	N	N	N	N	N	N

## 11.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{3, 5, 1}	{1}	N	R	N	N	N	R
{5, 3}	{4}	N	N	N	R	N	N
{3, 5, 4, 2}	{4, 5, 3}	N	R	N	N	N	R
{5, 2, 4}	{5, 1, 4, 3}	N	N	N	N	N	N
{4, 1}	{2, 1, 4, 3}	R	N	N	N	R	N
{5, 2, 3}	{4}	N	N	N	R	N	N
{4, 2, 5}	{4, 2}	N	R	N	N	N	R
{4, 5, 2, 1}	{1, 4, 2, 5}	R	R	R	N	R	R
{3}	{2}	N	N	N	R	N	N
{3, 5, 1, 2}	{5, 3, 1, 2}	R	R	R	N	R	R
{4, 1}	{5, 2}	N	N	N	R	N	N
{4, 2, 5, 3}	{1, 5}	N	N	N	N	N	N
{4}	{2, 4, 1, 3}	R	N	N	N	R	N
{4, 2, 1}	{3, 5}	N	N	N	R	N	N
{5, 4}	{2}	N	N	N	R	N	N
{1}	{1, 3}	R	N	N	N	R	N
{5}	{1, 2, 4, 3}	N	N	N	R	N	N
{3, 5, 2}	{4, 5, 2}	N	N	N	N	N	N
{5, 3}	{4, 5, 3}	R	N	N	N	R	N
{4}	{5}	N	N	N	R	N	N
{4, 2}	{5, 3, 2}	N	N	N	N	N	N
{1, 2, 3, 5}	{1, 4}	N	N	N	N	N	N
{3, 2}	{5, 4, 3, 1}	N	N	N	N	N	N
{3, 1, 5, 2}	{1, 2, 4, 3}	N	N	N	N	N	N
{1}	{2}	N	N	N	R	N	N
{3, 4}	{5}	N	N	N	R	N	N
{4, 1, 2, 3}	{3, 5, 4, 1}	N	N	N	N	N	N
{4, 1}	{2}	N	N	N	R	N	N
{1, 3}	{3, 5, 2}	N	N	N	N	N	N
{4, 1, 5}	{4}	N	R	N	N	N	R

## 12.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1, 5}	{5, 2, 3, 4}	N	N	N	N	N	N
{1, 4, 3}	{5, 4, 3, 1}	R	N	N	N	R	N
{3, 5, 4, 1}	{3, 1, 2}	N	N	N	N	N	N
{2, 4, 5, 3}	{4, 5, 1}	N	N	N	N	N	N
{3, 4, 1}	{1, 3, 2}	N	N	N	N	N	N
{1, 4, 3}	{2}	N	N	N	R	N	N
{2}	{5, 1}	N	N	N	R	N	N
{2, 1}	{4, 3, 1}	N	N	N	N	N	N
{4, 5, 1}	{4}	N	R	N	N	N	R
{2}	{4, 3, 2, 1}	R	N	N	N	R	N
{5, 3, 1}	{4, 1}	N	N	N	N	N	N
{2, 3, 5}	{2, 3}	N	R	N	N	N	R
{5}	{5, 3, 4}	R	N	N	N	R	N
{3, 2}	{2, 1, 3, 4}	R	N	N	N	R	N
{1, 3}	{2, 5}	N	N	N	R	N	N
{5}	{4}	N	N	N	R	N	N
{4, 5}	{5, 1, 3, 4}	R	N	N	N	R	N
{4}	{3, 1}	N	N	N	R	N	N
{3, 2}	{2, 1, 4}	N	N	N	N	N	N
{5, 1}	{4}	N	N	N	R	N	N
{1, 2}	{5, 3}	N	N	N	R	N	N
{1, 3, 5, 2}	{5, 2}	N	R	N	N	N	R
{1, 4, 2}	{2, 4, 3, 5}	N	N	N	N	N	N
{4, 1}	{3}	N	N	N	R	N	N
{3}	{4, 2, 1}	N	N	N	R	N	N
{1, 4, 5, 2}	{1, 3, 4}	N	N	N	N	N	N
{2, 3, 5, 4}	{3, 4}	N	R	N	N	N	R
{5, 4}	{2, 3, 4}	N	N	N	N	N	N
{2, 5}	{3, 1}	N	N	N	R	N	N
{2, 5, 3}	{2}	N	R	N	N	N	R

## 13.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{3, 4}	{2, 4}	N	N	N	N	N	N
{3, 2, 1}	{4, 1, 2}	N	N	N	N	N	N
{2, 4, 1, 3}	{5, 1, 2, 4}	N	N	N	N	N	N
{4, 3, 1}	{4, 1, 2, 3}	R	N	N	N	R	N
{5, 4, 3}	{3, 5, 1, 4}	R	N	N	N	R	N
{2, 4, 1}	{4}	N	R	N	N	N	R
{1, 4}	{2, 4, 5}	N	N	N	N	N	N
{2, 5, 3, 4}	{4}	N	R	N	N	N	R
{3, 1, 5}	{4}	N	N	N	R	N	N
{5, 3}	{3, 1, 4}	N	N	N	N	N	N
{3, 4, 2, 5}	{3, 2, 4, 1}	N	N	N	N	N	N
{5, 2}	{4, 5, 1}	N	N	N	N	N	N
{4, 3, 1}	{2, 1, 3}	N	N	N	N	N	N
{4, 3, 5, 1}	{3}	N	R	N	N	N	R
{1, 4, 2}	{4}	N	R	N	N	N	R
{3}	{5, 3, 1}	R	N	N	N	R	N
{4, 3}	{1}	N	N	N	R	N	N
{2, 1}	{2, 4, 3, 5}	N	N	N	N	N	N
{2}	{2, 5, 3}	R	N	N	N	R	N
{2, 5}	{3}	N	N	N	R	N	N
{2, 1, 5}	{3}	N	N	N	R	N	N
{1, 3, 4, 2}	{4}	N	R	N	N	N	R
{2, 4}	{4}	N	R	N	N	N	R
{1, 4}	{1, 4, 3, 2}	R	N	N	N	R	N
{3, 4, 1, 2}	{2, 5, 3}	N	N	N	N	N	N
{2, 5}	{5, 1, 4}	N	N	N	N	N	N
{5}	{3, 2, 1}	N	N	N	R	N	N
{5, 1, 2, 4}	{1, 3}	N	N	N	N	N	N
{5, 1}	{3, 2, 5, 1}	R	N	N	N	R	N
{4, 3}	{5}	N	N	N	R	N	N

## 14.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 2, 4}	{2, 5}	N	R	N	N	N	R
{5, 1}	{4}	N	N	N	R	N	N
{1, 2}	{2, 3, 4, 5}	N	N	N	N	N	N
{5, 2, 3}	{2, 4, 1}	N	N	N	N	N	N
{4, 3}	{5, 1, 2, 4}	N	N	N	N	N	N
{1}	{2, 4, 3, 5}	N	N	N	R	N	N
{2, 4, 3}	{1, 5, 3, 4}	N	N	N	N	N	N
{5, 3, 2, 1}	{4, 1, 2, 5}	N	N	N	N	N	N
{4, 3, 1}	{2, 4}	N	N	N	N	N	N
{2, 4, 1, 3}	{2, 5}	N	N	N	N	N	N
{2}	{4, 2, 5, 1}	R	N	N	N	R	N
{2, 4}	{4, 5, 3, 1}	N	N	N	N	N	N
{3, 5}	{2, 1, 5, 4}	N	N	N	N	N	N
{1, 4}	{1, 2, 4, 5}	R	N	N	N	R	N
{4, 3}	{4, 3, 5}	R	N	N	N	R	N
{4}	{5, 4}	R	N	N	N	R	N
{3, 1, 5, 2}	{4, 1, 5, 3}	N	N	N	N	N	N
{5, 2, 4, 1}	{3, 5}	N	N	N	N	N	N
{5, 1, 4, 3}	{4, 3}	N	R	N	N	N	R
{1, 4}	{4}	N	R	N	N	N	R
{3, 5, 4, 1}	{5, 1, 3}	N	R	N	N	N	R
{2, 1}	{3, 4, 2}	N	N	N	N	N	N
{1, 2}	{3, 2}	N	N	N	N	N	N
{4}	{3, 4, 2, 5}	R	N	N	N	R	N
{1, 2}	{3, 5, 4, 2}	N	N	N	N	N	N
{3}	{2, 4}	N	N	N	R	N	N
{2, 5}	{1, 2}	N	N	N	N	N	N
{5, 3, 4, 2}	{1}	N	N	N	R	N	N
{4, 1, 2}	{4}	N	R	N	N	N	R
{1, 5, 2}	{5, 2}	N	R	N	N	N	R

## 15.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 1, 4, 2}	{5, 3, 2, 4}	N	N	N	N	N	N
{4}	{3}	N	N	N	R	N	N
{4, 1, 2}	{4}	N	R	N	N	N	R
{1}	{5}	N	N	N	R	N	N
{5}	{4, 1}	N	N	N	R	N	N
{5}	{3, 4}	N	N	N	R	N	N
{4, 2, 5, 1}	{4, 5, 2}	N	R	N	N	N	R
{4, 1, 3, 2}	{3, 5}	N	N	N	N	N	N
{3, 5, 1}	{5, 3, 4}	N	N	N	N	N	N
{2, 4, 3, 1}	{3, 2, 4}	N	R	N	N	N	R
{2, 3, 5}	{3, 1, 5, 4}	N	N	N	N	N	N
{1}	{2}	N	N	N	R	N	N
{5, 3, 4}	{3, 1, 2}	N	N	N	N	N	N
{5, 3}	{3, 2, 5}	R	N	N	N	R	N
{1}	{3}	N	N	N	R	N	N
{4, 1, 5, 3}	{1, 5, 2}	N	N	N	N	N	N
{3, 5, 4, 2}	{4, 5}	N	R	N	N	N	R
{1, 3, 4}	{3, 1}	N	R	N	N	N	R
{2}	{4, 2, 1}	R	N	N	N	R	N
{2, 3, 1}	{1, 4, 5, 3}	N	N	N	N	N	N
{5, 2}	{4, 5}	N	N	N	N	N	N
{2, 3}	{2, 3, 1, 4}	R	N	N	N	R	N
{4, 3, 1, 2}	{2, 3, 1, 5}	N	N	N	N	N	N
{5, 3, 4, 1}	{5, 4, 1}	N	R	N	N	N	R
{3, 1, 5}	{5, 3, 1, 4}	R	N	N	N	R	N
{2}	{2, 3, 1, 4}	R	N	N	N	R	N
{5, 3, 4}	{5, 2}	N	N	N	N	N	N
{3}	{2, 5, 3}	R	N	N	N	R	N
{5, 3}	{4, 5}	N	N	N	N	N	N
{3, 2}	{1, 3, 2, 4}	R	N	N	N	R	N

## 16.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 4, 2}	{5, 2}	N	R	N	N	N	R
{4, 3, 1}	{2, 5}	N	N	N	R	N	N
{3}	{3}	R	R	R	N	R	R
{5, 3, 4, 1}	{5, 2, 1, 4}	N	N	N	N	N	N
{4, 5, 1, 2}	{1, 2, 3, 5}	N	N	N	N	N	N
{5, 4}	{4, 5}	R	R	R	N	R	R
{5, 3, 4}	{1, 3, 2, 5}	N	N	N	N	N	N
{2, 3, 5, 1}	{2}	N	R	N	N	N	R
{1, 2, 4}	{1}	N	R	N	N	N	R
{1}	{3, 5, 1}	R	N	N	N	R	N
{1, 5}	{5, 1, 4}	R	N	N	N	R	N
{2, 4, 1}	{5, 1, 3, 4}	N	N	N	N	N	N
{1}	{2, 5}	N	N	N	R	N	N
{1, 2}	{5, 4, 2, 1}	R	N	N	N	R	N
{1, 5, 2}	{4, 1, 2}	N	N	N	N	N	N
{2, 5, 1, 4}	{3, 1}	N	N	N	N	N	N
{4, 5, 1, 2}	{2}	N	R	N	N	N	R
{5}	{1, 4, 5, 3}	R	N	N	N	R	N
{1, 3}	{1}	N	R	N	N	N	R
{3, 5}	{1, 3, 5, 4}	R	N	N	N	R	N
{2, 1, 3}	{1, 5, 3, 4}	N	N	N	N	N	N
{5}	{2, 3, 5, 4}	R	N	N	N	R	N
{5, 1}	{1}	N	R	N	N	N	R
{5, 2}	{1, 5, 4}	N	N	N	N	N	N
{5, 2, 1, 4}	{1}	N	R	N	N	N	R
{3, 4, 2}	{4, 5, 2, 1}	N	N	N	N	N	N
{4, 3, 5, 1}	{5, 4}	N	R	N	N	N	R
{4, 3, 2, 5}	{5, 1, 3}	N	N	N	N	N	N
{2, 4}	{5}	N	N	N	R	N	N
{2, 5}	{2, 5, 3}	R	N	N	N	R	N

## 17.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1}	{3, 5, 4}	N	N	N	R	N	N
{2, 5, 4}	{4}	N	R	N	N	N	R
{4}	{3, 5, 2}	N	N	N	R	N	N
{1}	{1}	R	R	R	N	R	R
{4, 1, 2}	{2, 4, 1, 5}	R	N	N	N	R	N
{1, 3, 4}	{4, 2, 1, 3}	R	N	N	N	R	N
{1, 3, 4}	{4, 1, 2}	N	N	N	N	N	N
{5, 1, 2}	{3}	N	N	N	R	N	N
{5}	{4, 3, 1, 2}	N	N	N	R	N	N
{4}	{5, 2, 3}	N	N	N	R	N	N
{2, 3, 1, 4}	{4, 5, 2, 3}	N	N	N	N	N	N
{2, 5, 3, 1}	{5, 4, 3, 1}	N	N	N	N	N	N
{3, 4, 1, 5}	{1, 2, 4}	N	N	N	N	N	N
{5}	{5, 2}	R	N	N	N	R	N
{3, 2, 5}	{2}	N	R	N	N	N	R
{5, 2}	{2}	N	R	N	N	N	R
{1}	{2, 4}	N	N	N	R	N	N
{4, 3, 2, 1}	{5}	N	N	N	R	N	N
{1, 5, 3}	{3}	N	R	N	N	N	R
{3, 1, 4, 2}	{2, 4, 3}	N	R	N	N	N	R
{1, 4, 2}	{4}	N	R	N	N	N	R
{2}	{3, 2, 5, 4}	R	N	N	N	R	N
{2, 1, 4}	{3, 1}	N	N	N	N	N	N
{3, 1}	{2, 5, 4, 3}	N	N	N	N	N	N
{4}	{4, 1, 5}	R	N	N	N	R	N
{2, 1, 5}	{4}	N	N	N	R	N	N
{1, 3, 4}	{5, 1}	N	N	N	N	N	N
{4}	{3, 1, 5}	N	N	N	R	N	N
{3, 5, 4, 2}	{4, 2, 3}	N	R	N	N	N	R
{2}	{3, 5, 4}	N	N	N	R	N	N



## 18.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{2, 5, 4, 3}	{5, 3, 2}	N	R	N	N	N	R
{2}	{2}	R	R	R	N	R	R
{3, 5, 1, 2}	{4, 1}	N	N	N	N	N	N
{1, 3, 2, 5}	{5, 2, 4}	N	N	N	N	N	N
{5, 3}	{4, 5}	N	N	N	N	N	N
{1}	{5, 4, 3}	N	N	N	R	N	N
{3, 4, 2}	{2}	N	R	N	N	N	R
{4, 5, 1, 2}	{3, 1, 2, 4}	N	N	N	N	N	N
{5, 1, 4, 3}	{1, 4}	N	R	N	N	N	R
{5}	{5, 2}	R	N	N	N	R	N
{3, 4, 5}	{5, 1, 4}	N	N	N	N	N	N
{1, 4, 2}	{1, 5, 4, 2}	R	N	N	N	R	N
{3, 2, 4, 1}	{4, 5, 3}	N	N	N	N	N	N
{2, 1}	{3, 1, 2, 4}	R	N	N	N	R	N
{1}	{2, 4}	N	N	N	R	N	N
{5, 1, 3}	{5}	N	R	N	N	N	R
{5}	{1}	N	N	N	R	N	N
{5, 4}	{1, 5}	N	N	N	N	N	N
{4, 1, 5, 3}	{2, 5, 3, 4}	N	N	N	N	N	N
{4, 1}	{1, 4, 3, 5}	R	N	N	N	R	N
{4, 3, 2}	{4, 5, 3}	N	N	N	N	N	N
{2, 1}	{4}	N	N	N	R	N	N
{4, 5, 1, 2}	{5, 4, 3}	N	N	N	N	N	N
{2}	{4, 3, 5}	N	N	N	R	N	N
{4}	{5, 1}	N	N	N	R	N	N
{2, 3}	{4}	N	N	N	R	N	N
{3, 1, 2}	{3, 5, 2}	N	N	N	N	N	N
{3}	{5, 2, 4, 1}	N	N	N	R	N	N
{5}	{3, 5}	R	N	N	N	R	N
{4}	{1, 2, 4}	R	N	N	N	R	N

## 19.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{4, 5, 2, 3}	{4, 3}	N	R	N	N	N	R
{1, 2, 3, 5}	{5, 4, 1}	N	N	N	N	N	N
{2, 5, 3, 4}	{1}	N	N	N	R	N	N
{5, 2, 4}	{4, 2}	N	R	N	N	N	R
{5, 1, 3}	{1, 4, 5, 2}	N	N	N	N	N	N
{3, 1, 2}	{5, 2}	N	N	N	N	N	N
{5, 4}	{5, 3, 4, 1}	R	N	N	N	R	N
{2, 4, 1}	{3, 4, 5, 2}	N	N	N	N	N	N
{1, 5, 2, 3}	{3, 1, 5, 2}	R	R	R	N	R	R
{4, 5, 2, 1}	{3, 2, 1}	N	N	N	N	N	N
{4, 3, 1, 2}	{3}	N	R	N	N	N	R
{2, 3, 4, 5}	{3, 1}	N	N	N	N	N	N
{3, 5}	{3}	N	R	N	N	N	R
{5}	{3, 5, 1}	R	N	N	N	R	N
{1, 4, 2}	{5, 1, 4, 3}	N	N	N	N	N	N
{3, 4, 2, 1}	{4, 3, 1, 2}	R	R	R	N	R	R
{2}	{3, 5, 1, 4}	N	N	N	R	N	N
{5}	{4, 5}	R	N	N	N	R	N
{2, 5, 3}	{1}	N	N	N	R	N	N
{3, 4, 1}	{4}	N	R	N	N	N	R
{5, 3, 1}	{5, 2, 4, 1}	N	N	N	N	N	N
{1, 4, 2, 5}	{1}	N	R	N	N	N	R
{2}	{5, 1, 3, 2}	R	N	N	N	R	N
{5, 2}	{1, 2}	N	N	N	N	N	N
{2, 1, 4, 3}	{1, 3, 5}	N	N	N	N	N	N
{1, 2, 3}	{5}	N	N	N	R	N	N
{1, 3, 2, 5}	{3, 5, 4, 2}	N	N	N	N	N	N
{3, 2}	{5}	N	N	N	R	N	N
{5, 4}	{2}	N	N	N	R	N	N
{4, 1, 2, 5}	{4, 1, 3, 2}	N	N	N	N	N	N

## 20.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{2, 1}	{4, 3, 2}	N	N	N	N	N	N
{2}	{4, 1, 5}	N	N	N	R	N	N
{1, 3, 2}	{5, 2, 4, 1}	N	N	N	N	N	N
{1, 5}	{2, 5}	N	N	N	N	N	N
{2, 5, 4, 3}	{1, 2, 5}	N	N	N	N	N	N
{3, 5, 1}	{3, 1, 4}	N	N	N	N	N	N
{5, 3, 1}	{4, 1}	N	N	N	N	N	N
{4}	{2, 4}	R	N	N	N	R	N
{5, 1, 2}	{1}	N	R	N	N	N	R
{5, 4}	{2, 4}	N	N	N	N	N	N
{2, 4, 3}	{2}	N	R	N	N	N	R
{3, 4, 5, 1}	{1, 2, 5, 3}	N	N	N	N	N	N
{3, 2}	{3, 4}	N	N	N	N	N	N
{4, 5, 2, 1}	{5, 3, 2, 1}	N	N	N	N	N	N
{5, 1, 3, 2}	{4, 1}	N	N	N	N	N	N
{2}	{4, 5, 1, 2}	R	N	N	N	R	N
{1}	{1, 2, 3, 4}	R	N	N	N	R	N
{2}	{5, 1}	N	N	N	R	N	N
{1}	{4, 1, 3}	R	N	N	N	R	N
{5, 3, 4}	{5}	N	R	N	N	N	R
{1, 5, 3, 2}	{5, 1}	N	R	N	N	N	R
{1, 4}	{2}	N	N	N	R	N	N
{3}	{5, 4, 1, 2}	N	N	N	R	N	N
{1}	{2, 1}	R	N	N	N	R	N
{3, 5, 2, 4}	{2}	N	R	N	N	N	R
{2, 1, 3, 5}	{3, 4}	N	N	N	N	N	N
{2}	{2, 3, 4}	R	N	N	N	R	N
{1, 2, 3, 5}	{3, 5, 2}	N	R	N	N	N	R
{3, 4, 1, 5}	{1, 4, 5}	N	R	N	N	N	R
{4, 3, 2}	{4}	N	R	N	N	N	R

## 21.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5}	{2, 5, 1}	R	N	N	N	R	N
{4}	{2, 4}	R	N	N	N	R	N
{1, 4, 2}	{3, 5, 1, 4}	N	N	N	N	N	N
{2, 5}	{4, 5, 1}	N	N	N	N	N	N
{3}	{5}	N	N	N	R	N	N
{5, 1, 3}	{1, 3}	N	R	N	N	N	R
{1, 3, 5}	{1, 4, 3}	N	N	N	N	N	N
{1, 4, 3}	{3}	N	R	N	N	N	R
{5}	{1, 5, 2, 4}	R	N	N	N	R	N
{2, 3}	{3, 5, 1, 2}	R	N	N	N	R	N
{3}	{3, 5, 4}	R	N	N	N	R	N
{4, 2, 5, 3}	{3, 4, 1}	N	N	N	N	N	N
{5, 4, 3}	{3}	N	R	N	N	N	R
{5, 1}	{1, 5, 2}	R	N	N	N	R	N
{2, 5, 3, 1}	{3, 1, 2, 4}	N	N	N	N	N	N
{1}	{1, 5, 3, 4}	R	N	N	N	R	N
{1, 5}	{3}	N	N	N	R	N	N
{5, 1, 2, 3}	{1, 4}	N	N	N	N	N	N
{1}	{3, 1}	R	N	N	N	R	N
{1, 3, 4}	{1}	N	R	N	N	N	R
{2}	{3, 2, 4}	R	N	N	N	R	N
{3, 2}	{2, 3, 4, 1}	R	N	N	N	R	N
{4, 2, 1, 5}	{3}	N	N	N	R	N	N
{3, 1}	{2, 1, 3, 4}	R	N	N	N	R	N
{2, 4}	{3, 1, 2, 5}	N	N	N	N	N	N
{3, 2}	{3, 4, 1}	N	N	N	N	N	N
{3, 5, 4, 2}	{4, 3}	N	R	N	N	N	R
{5}	{4, 1}	N	N	N	R	N	N
{3}	{5, 2, 3, 4}	R	N	N	N	R	N
{3, 1}	{4}	N	N	N	R	N	N

## 22.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5}	{5}	R	R	R	N	R	R
{1, 2}	{2, 4, 1, 5}	R	N	N	N	R	N
{4}	{4, 2}	R	N	N	N	R	N
{2}	{5, 4, 3}	N	N	N	R	N	N
{1, 2, 3}	{4, 2}	N	N	N	N	N	N
{1, 3}	{1, 4, 3}	R	N	N	N	R	N
{1}	{5, 4, 2, 1}	R	N	N	N	R	N
{2, 3}	{3, 1, 4}	N	N	N	N	N	N
{4}	{2}	N	N	N	R	N	N
{5, 2, 1, 4}	{1, 5, 2}	N	R	N	N	N	R
{1, 4, 2}	{4}	N	R	N	N	N	R
{3, 2, 4}	{3, 4, 1}	N	N	N	N	N	N
{3, 4, 5}	{2}	N	N	N	R	N	N
{4, 2, 1}	{5, 1, 3, 2}	N	N	N	N	N	N
{5}	{1, 2, 3, 5}	R	N	N	N	R	N
{4, 2}	{1, 2, 3, 4}	R	N	N	N	R	N
{4, 3}	{4}	N	R	N	N	N	R
{1}	{2, 4, 5, 1}	R	N	N	N	R	N
{4, 1, 5}	{4}	N	R	N	N	N	R
{2, 5, 3}	{3}	N	R	N	N	N	R
{4}	{1, 4, 5}	R	N	N	N	R	N
{1, 2}	{2, 4}	N	N	N	N	N	N
{5, 2, 4}	{4, 2}	N	R	N	N	N	R
{2, 1, 3}	{5}	N	N	N	R	N	N
{1, 2, 5, 3}	{5, 3, 1}	N	R	N	N	N	R
{1, 2, 3}	{1, 5}	N	N	N	N	N	N
{4, 3, 1}	{1}	N	R	N	N	N	R
{5, 2, 3}	{3, 2}	N	R	N	N	N	R
{2, 4, 1}	{5, 4, 3, 2}	N	N	N	N	N	N
{4, 1}	{3, 2, 1}	N	N	N	N	N	N

## 23.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1, 5, 3, 2}	{3, 2}	N	R	N	N	N	R
{1}	{3}	N	N	N	R	N	N
{1, 2, 5, 4}	{5}	N	R	N	N	N	R
{3, 1, 2}	{1, 4}	N	N	N	N	N	N
{5, 4, 2, 1}	{3}	N	N	N	R	N	N
{1, 4, 3}	{3, 2, 4}	N	N	N	N	N	N
{4, 1, 3}	{4, 3}	N	R	N	N	N	R
{1, 3, 5, 2}	{1, 2, 3, 4}	N	N	N	N	N	N
{2}	{3, 5, 1}	N	N	N	R	N	N
{5}	{5, 3}	R	N	N	N	R	N
{1}	{2}	N	N	N	R	N	N
{2, 4}	{3, 1, 5, 2}	N	N	N	N	N	N
{5, 2}	{3, 5}	N	N	N	N	N	N
{1, 5, 2}	{3}	N	N	N	R	N	N
{4, 3, 2, 1}	{5, 4}	N	N	N	N	N	N
{2, 5}	{2}	N	R	N	N	N	R
{4, 1, 3, 2}	{4, 3}	N	R	N	N	N	R
{2, 5, 1, 3}	{2}	N	R	N	N	N	R
{2, 4}	{3, 4, 5}	N	N	N	N	N	N
{5, 4, 3}	{3, 4, 5, 1}	R	N	N	N	R	N
{2}	{4, 3}	N	N	N	R	N	N
{4, 1, 5, 3}	{5, 2}	N	N	N	N	N	N
{4, 3, 5}	{3, 2}	N	N	N	N	N	N
{4, 3, 5}	{1, 4}	N	N	N	N	N	N
{3, 4}	{5, 2}	N	N	N	R	N	N
{4, 1}	{4, 3, 5}	N	N	N	N	N	N
{2, 4, 3, 5}	{5, 4}	N	R	N	N	N	R
{5, 4, 1, 3}	{4, 2}	N	N	N	N	N	N
{4, 1, 2, 5}	{4, 5, 3, 2}	N	N	N	N	N	N
{4, 3, 5, 1}	{3}	N	R	N	N	N	R

## 24.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{5, 2}	{5, 4, 1}	N	N	N	N	N	N
{4, 1, 5, 3}	{4}	N	R	N	N	N	R
{1}	{5, 1}	R	N	N	N	R	N
{4, 1}	{5, 3, 2}	N	N	N	R	N	N
{5, 1}	{3, 5, 4}	N	N	N	N	N	N
{5}	{1, 2, 4}	N	N	N	R	N	N
{5, 4, 3, 1}	{3, 1, 4, 5}	R	R	R	N	R	R
{5, 4}	{4, 5, 1}	R	N	N	N	R	N
{4, 2, 5, 1}	{4, 2}	N	R	N	N	N	R
{4, 3}	{3, 4, 1, 2}	R	N	N	N	R	N
{3, 1, 2}	{1, 2}	N	R	N	N	N	R
{5}	{1, 3}	N	N	N	R	N	N
{4}	{4}	R	R	R	N	R	R
{4, 1}	{3, 4, 5}	N	N	N	N	N	N
{4, 2, 1, 5}	{3}	N	N	N	R	N	N
{4, 2, 1}	{2, 5, 3, 4}	N	N	N	N	N	N
{1, 3, 4}	{2, 4, 3}	N	N	N	N	N	N
{2}	{4}	N	N	N	R	N	N
{4, 2, 1}	{3, 4, 1, 2}	R	N	N	N	R	N
{1, 3, 4}	{4}	N	R	N	N	N	R
{5, 1, 3}	{5}	N	R	N	N	N	R
{5, 2, 1, 3}	{2, 1}	N	R	N	N	N	R
{3, 5, 1, 2}	{5, 3, 4, 1}	N	N	N	N	N	N
{2}	{1, 3, 4, 2}	R	N	N	N	R	N
{1, 2, 5}	{4, 5, 2, 3}	N	N	N	N	N	N
{5, 1, 2, 4}	{3, 4, 2, 1}	N	N	N	N	N	N
{2, 4}	{1, 4}	N	N	N	N	N	N
{1, 4, 2, 3}	{3, 2}	N	R	N	N	N	R
{4, 2}	{3, 2, 5}	N	N	N	N	N	N
{4, 5, 1, 3}	{3}	N	R	N	N	N	R

## 25.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1, 3, 2, 5}	{2, 1}	N	R	N	N	N	R
{1, 3, 4, 2}	{4, 1}	N	R	N	N	N	R
{5, 2, 1, 4}	{2}	N	R	N	N	N	R
{1, 2, 3, 4}	{3, 1}	N	R	N	N	N	R
{5, 1}	{5}	N	R	N	N	N	R
{5, 4, 1}	{5, 4, 2, 3}	N	N	N	N	N	N
{1, 2, 3}	{1, 2, 5}	N	N	N	N	N	N
{4}	{4, 5, 3}	R	N	N	N	R	N
{3}	{4, 2, 3, 5}	R	N	N	N	R	N
{5, 1, 2, 3}	{3, 5, 4, 1}	N	N	N	N	N	N
{4, 3, 5, 1}	{5, 4, 3}	N	R	N	N	N	R
{1, 3}	{5, 2, 3}	N	N	N	N	N	N
{2, 1, 5, 4}	{5}	N	R	N	N	N	R
{2}	{3, 4, 2, 5}	R	N	N	N	R	N
{2}	{2, 5, 1, 4}	R	N	N	N	R	N
{5, 2, 4, 3}	{4, 5, 1}	N	N	N	N	N	N
{4, 5}	{5}	N	R	N	N	N	R
{3}	{5}	N	N	N	R	N	N
{1, 4}	{1, 5, 2, 4}	R	N	N	N	R	N
{1, 3, 2, 5}	{4, 2, 5, 1}	N	N	N	N	N	N
{2}	{1, 4, 2, 3}	R	N	N	N	R	N
{3, 4, 1, 2}	{2, 3, 1}	N	R	N	N	N	R
{3}	{2, 3}	R	N	N	N	R	N
{3, 5}	{3, 4, 5}	R	N	N	N	R	N
{4, 2}	{3, 1, 2, 5}	N	N	N	N	N	N
{5, 1, 2, 3}	{2, 4, 5}	N	N	N	N	N	N
{1, 4, 5}	{5, 1, 3}	N	N	N	N	N	N
{1, 3, 2, 5}	{2, 5, 3, 4}	N	N	N	N	N	N
{2, 3, 1}	{1, 2, 5}	N	N	N	N	N	N
{1, 4, 2}	{2, 4}	N	R	N	N	N	R



## 26.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{1}	{2}	N	N	N	R	N	N
{2}	{1, 4}	N	N	N	R	N	N
{3, 5, 1}	{5, 1, 2}	N	N	N	N	N	N
{5, 3, 2, 4}	{4, 2, 5, 3}	R	R	R	N	R	R
{5, 2}	{4}	N	N	N	R	N	N
{4}	{4, 3}	R	N	N	N	R	N
{2, 3, 1}	{5}	N	N	N	R	N	N
{2}	{4, 3, 5}	N	N	N	R	N	N
{2, 3, 5}	{4}	N	N	N	R	N	N
{2, 1, 5, 4}	{2, 3, 1, 5}	N	N	N	N	N	N
{4, 1, 5, 3}	{5, 1, 3, 2}	N	N	N	N	N	N
{1, 5, 2}	{3, 2, 4}	N	N	N	N	N	N
{4}	{3, 1, 5}	N	N	N	R	N	N
{3}	{5, 2, 1}	N	N	N	R	N	N
{4, 2, 3}	{3, 2, 4, 1}	R	N	N	N	R	N
{2}	{1, 5, 4}	N	N	N	R	N	N
{2, 3, 5}	{5}	N	R	N	N	N	R
{5}	{1, 4, 2}	N	N	N	R	N	N
{1, 2}	{1, 2}	R	R	R	N	R	R
{2, 4, 5}	{1, 4, 5}	N	N	N	N	N	N
{4, 2}	{1, 2}	N	N	N	N	N	N
{5, 1, 4}	{5, 1, 2}	N	N	N	N	N	N
{4}	{5, 1, 2, 4}	R	N	N	N	R	N
{1, 4, 2}	{4, 1}	N	R	N	N	N	R
{3}	{3, 1, 5}	R	N	N	N	R	N
{3, 4, 2, 1}	{5, 2, 4, 1}	N	N	N	N	N	N
{4, 1, 5, 3}	{4, 5, 3}	N	R	N	N	N	R
{3, 4, 1}	{5, 1}	N	N	N	N	N	N
{4, 1}	{5, 3}	N	N	N	R	N	N
{5, 4, 1, 3}	{5}	N	R	N	N	N	R

27.

A	B	$A \subset B$	$B \subset A$	$B = A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{4, 1, 3, 2}	{1}	N	R	N	N	N	R
{4, 1, 3, 2}	{2, 3}	N	R	N	N	N	R
{3, 4}	{2}	N	N	N	R	N	N
{1, 4, 5, 3}	{5, 1, 2}	N	N	N	N	N	N
{3}	{2, 5, 3, 1}	R	N	N	N	R	N
{1}	{4}	N	N	N	R	N	N
{3, 4, 2, 1}	{3, 4}	N	R	N	N	N	R
{2}	{1, 3, 4, 2}	R	N	N	N	R	N
{2, 1, 4, 3}	{4, 1, 2, 5}	N	N	N	N	N	N
{1, 4}	{2}	N	N	N	R	N	N
{1, 3, 4}	{5, 1, 2}	N	N	N	N	N	N
{2, 5, 3}	{3, 5, 2}	R	R	R	N	R	R
{5, 3, 2}	{3}	N	R	N	N	N	R
{4, 3}	{2, 4, 3}	R	N	N	N	R	N
{3, 1}	{5, 1, 3}	R	N	N	N	R	N
{2}	{5, 1}	N	N	N	R	N	N
{5}	{1}	N	N	N	R	N	N
{4, 1, 2, 5}	{2}	N	R	N	N	N	R
{2, 4}	{3}	N	N	N	R	N	N
{4, 5}	{4}	N	R	N	N	N	R
{2, 3}	{2, 1, 5}	N	N	N	N	N	N
{3}	{2, 4, 1}	N	N	N	R	N	N
{4, 1, 5}	{4}	N	R	N	N	N	R
{5, 1, 3, 2}	{4, 3, 5, 2}	N	N	N	N	N	N
{1, 4}	{4, 3, 1, 5}	R	N	N	N	R	N
{1}	{5, 1, 4}	R	N	N	N	R	N
{4, 2, 3}	{5, 3}	N	N	N	N	N	N
{5, 1, 4, 2}	{2, 5, 3}	N	N	N	N	N	N
{1, 5, 3}	{2, 4}	N	N	N	R	N	N
{1, 3, 2, 4}	{3, 5, 4, 1}	N	N	N	N	N	N

## 28.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{4, 2, 5}	{4, 5, 1, 2}	R	N	N	N	R	N
{2}	{3, 1, 5, 4}	N	N	N	R	N	N
{1}	{4, 2, 3}	N	N	N	R	N	N
{1, 2, 5}	{4, 5}	N	N	N	N	N	N
{5, 1}	{4, 1, 5, 2}	R	N	N	N	R	N
{2, 1, 4}	{1, 5, 2, 3}	N	N	N	N	N	N
{1, 2}	{3, 1, 2, 4}	R	N	N	N	R	N
{5, 3, 2}	{3, 2, 1, 4}	N	N	N	N	N	N
{1, 3, 4, 5}	{1}	N	R	N	N	N	R
{5}	{5}	R	R	R	N	R	R
{3, 2}	{5, 2}	N	N	N	N	N	N
{2, 5}	{3, 5, 2, 4}	R	N	N	N	R	N
{3}	{4, 1, 2, 5}	N	N	N	R	N	N
{3, 1, 4}	{3, 1, 5, 4}	R	N	N	N	R	N
{5}	{1, 2, 5}	R	N	N	N	R	N
{2, 5, 1, 4}	{5, 3}	N	N	N	N	N	N
{4}	{2, 4}	R	N	N	N	R	N
{4}	{5, 2}	N	N	N	R	N	N
{1, 5, 2}	{1, 2, 3, 4}	N	N	N	N	N	N
{5, 3, 2, 1}	{4, 1, 3}	N	N	N	N	N	N
{5, 3, 2, 4}	{2, 1}	N	N	N	N	N	N
{2, 4}	{2, 3}	N	N	N	N	N	N
{3, 2, 5, 1}	{4, 3}	N	N	N	N	N	N
{1, 4, 2, 3}	{3, 2, 1}	N	R	N	N	N	R
{3, 2, 1}	{1, 3, 5}	N	N	N	N	N	N
{1, 5, 4, 3}	{1}	N	R	N	N	N	R
{1, 5}	{4}	N	N	N	R	N	N
{3}	{5}	N	N	N	R	N	N
{3, 5}	{5, 3, 1, 4}	R	N	N	N	R	N
{4, 2}	{1, 4, 2, 5}	R	N	N	N	R	N

## 29.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{2}	{5, 4}	N	N	N	R	N	N
{1, 4}	{3}	N	N	N	R	N	N
{5, 4}	{2, 5, 3, 4}	R	N	N	N	R	N
{2, 3, 4}	{5, 3, 2, 1}	N	N	N	N	N	N
{2}	{3}	N	N	N	R	N	N
{5}	{1, 5, 3}	R	N	N	N	R	N
{5, 4}	{3, 2}	N	N	N	R	N	N
{4, 3}	{1, 2}	N	N	N	R	N	N
{4, 2, 1, 3}	{4, 2, 3}	N	R	N	N	N	R
{4, 5, 2, 1}	{2, 1}	N	R	N	N	N	R
{4, 3}	{1, 5, 4}	N	N	N	N	N	N
{4, 2, 5}	{4, 1, 2}	N	N	N	N	N	N
{5, 4}	{1, 3, 5}	N	N	N	N	N	N
{2, 3}	{5, 4}	N	N	N	R	N	N
{3, 4, 2}	{4, 2}	N	R	N	N	N	R
{1}	{3, 5, 2, 1}	R	N	N	N	R	N
{2}	{3, 2}	R	N	N	N	R	N
{2, 1, 5}	{2, 3, 5}	N	N	N	N	N	N
{4, 5}	{3, 5}	N	N	N	N	N	N
{5}	{1, 5, 4}	R	N	N	N	R	N
{4, 2, 5, 1}	{5, 2}	N	R	N	N	N	R
{1, 2, 5, 3}	{4, 3}	N	N	N	N	N	N
{4, 3, 5}	{3, 1, 5}	N	N	N	N	N	N
{3}	{5, 1, 2, 3}	R	N	N	N	R	N
{5}	{5, 4, 2, 3}	R	N	N	N	R	N
{3, 4}	{4, 3, 5}	R	N	N	N	R	N
{4, 5}	{3, 4, 1, 5}	R	N	N	N	R	N
{1}	{1, 5, 2, 3}	R	N	N	N	R	N
{2}	{1, 3}	N	N	N	R	N	N
{4, 1}	{1, 3}	N	N	N	N	N	N

30.

A	B	$A \subset B$	$B \subset A$	$B=A$	$A \cap B = \{\}$	$A - B = \{\}$	$A \cup B = A$
{4, 1, 2}	{4, 2}	N	R	N	N	N	R
{2}	{1, 4}	N	N	N	R	N	N
{2}	{3, 1, 2, 4}	R	N	N	N	R	N
{2}	{5}	N	N	N	R	N	N
{3, 1}	{5, 1, 4, 2}	N	N	N	N	N	N
{4}	{3, 2, 1, 4}	R	N	N	N	R	N
{3}	{2, 5, 1, 3}	R	N	N	N	R	N
{2, 1, 5, 3}	{1, 5}	N	R	N	N	N	R
{3, 4, 2}	{4, 1, 3}	N	N	N	N	N	N
{5}	{4}	N	N	N	R	N	N
{5}	{2, 4, 1}	N	N	N	R	N	N
{2, 3}	{2}	N	R	N	N	N	R
{5}	{2}	N	N	N	R	N	N
{5, 1, 3}	{4, 1, 5, 2}	N	N	N	N	N	N
{5, 1, 4, 3}	{5, 4, 2, 3}	N	N	N	N	N	N
{5, 2, 3}	{2, 1, 5}	N	N	N	N	N	N
{1}	{2, 4, 5}	N	N	N	R	N	N
{5}	{3}	N	N	N	R	N	N
{5, 3, 1}	{5}	N	R	N	N	N	R
{2, 1}	{5}	N	N	N	R	N	N
{1, 3, 4, 2}	{4}	N	R	N	N	N	R
{2, 5, 4}	{4}	N	R	N	N	N	R
{5, 2, 4}	{4, 1, 2}	N	N	N	N	N	N
{3, 4}	{3, 4, 5}	R	N	N	N	R	N
{2, 4, 5, 3}	{5, 4}	N	R	N	N	N	R
{2, 5, 3, 4}	{3, 2, 4, 5}	R	R	R	N	R	R
{5}	{1}	N	N	N	R	N	N
{3, 5}	{5}	N	R	N	N	N	R
{2}	{5, 1, 2, 3}	R	N	N	N	R	N
{1, 5, 2}	{1, 4}	N	N	N	N	N	N