1. **Remove Unwanted Parentheses**

Given a string value S, remove unwanted (redundant) parentheses and print the revised string as output.

**Input Format:**  
The first line contains the string value.

**Boundary Conditions:**  
The length of S will be from 3 to 100.

**Output Format:**  
The string value with the unwanted parentheses removed.

**Example Input/Output 1:**  
Input:  
(())(

Output:  
(())

**Example Input/Output 2:**  
Input:  
))(morning)

Output:  
(morning)

**Example Input/Output 3:**  
Input:  
(((bright))

Output:  
((bright))

2.**Array Maximum Sum Divisible By N**  
An array of numbers separated by space will be passed as input. A number N is also passed as input. The program has to print the maximum sum of the numbers in the array which is divisible by N. If there is no such maximum sum of the numbers, the program should print -1 as output.

**Input Format:**  
The first line contains the array of numbers separated by space.  
The second line contains the value of N

**Boundary Conditions:**  
The length of the array of numbers will be from 3 to 200.  
1 <= N <= 1000

**Output Format:**  
The maximum sum of the numbers in the array that is divisible by N.

**Example Input/Output 1:**  
Input:  
10 20 40 70  
3

Output:  
120

Explanation:  
The maximum sum of numbers that is divisible by 3 is 120 (10+40+70) and hence it is printed as the output.

**Example Input/Output 2:**  
Input:  
22 34 54 80 93 41  
5

Output:  
290

Explanation:  
The maximum sum of numbers that is divisible by 5 is 290 (22+54+80+93+41) and hence it is printed as the output.

**3.Print Nth number for two digits**

Two digits d1 and d2 will be passed as input. The program must print the Nth number in the number system that consists only digits with d1 and d2.

**Input Format**:  
The first line contains d1  
The second line contains d2  
The third line contains N

**Boundary Conditions:**  
0 <= d1 <=9  
0 <= d2 <=9  
d1 is not equal to d2

**Output Format:**  
The value of the number as per the given conditions.

**Example Input/Output 1:**

Input:  
3  
4  
2

Output:  
43

Explanation:  
The numbers which contains only 3 and 4 are like 34, 43, 334, 343, 344, 434, ....  
The second number in this series is 43 and hence it is printed as output.

**Example Input/Output 2:**

Input:  
5  
0  
4

Output:  
550

Explanation:  
The numbers which contains only 0 and 5 are 50 500 505 550 ...  
The 4th number in this series is 550 and hence it is printed as output.

**Example Input/Output 3:**

Input:  
6  
9  
15

Output:  
6999

Explanation:  
The numbers which contains only 6 and 9 are 69 96 669 696 699 966 969 996 6669 6696 6699 6966 6969 6996 6999 ....  
The 15th number in this series is 6999 and hence it is printed as output.