package zad2;  
  
import zad1.CycledLinkedList;  
  
public class Main {  
 public static void main(String[] args){  
 *calculateLastPerson*(4, 2);  
 System.*out*.println();  
 *calculateLastPerson*(10, 3);  
 }  
  
 public static void calculateLastPerson(int n, int k){  
 CycledLinkedList<Integer> people = new CycledLinkedList<>();  
  
 System.*out*.println("Number of people: " + n);  
 System.*out*.println("Which person to delete: " + k);  
  
 k--;  
 for(int i = 0; i < n; i++){  
 people.addEnd(i + 1);  
 }  
  
 int current = k;  
 while(people.size() > 1){  
 if(current >= people.size()) {  
 current -= people.size();  
 }  
  
 System.*out*.println("Deleting people with number: " + people.deleteIndex(current).getValue());  
  
 current += k;  
 people.printList();  
 }  
  
 System.*out*.println("After removing people: ");  
 people.printList();  
 }  
}

Wynik programu:

Number of people: 4

Which person to delete: 2

Deleting people with number: 2

[1, 3, 4]

Deleting people with number: 4

[1, 3]

Deleting people with number: 3

[1]

After removing people:

[1]

Number of people: 10

Which person to delete: 3

Deleting people with number: 3

[1, 2, 4, 5, 6, 7, 8, 9, 10]

Deleting people with number: 6

[1, 2, 4, 5, 7, 8, 9, 10]

Deleting people with number: 9

[1, 2, 4, 5, 7, 8, 10]

Deleting people with number: 2

[1, 4, 5, 7, 8, 10]

Deleting people with number: 7

[1, 4, 5, 8, 10]

Deleting people with number: 1

[4, 5, 8, 10]

Deleting people with number: 8

[4, 5, 10]

Deleting people with number: 5

[4, 10]

Deleting people with number: 10

[4]

After removing people:

[4]