Write the following methods that *return a lambda expression* performing a specified action:

1. PerformOperation isOdd(): The lambda expression must return  if a number is odd or  if it is even.
2. PerformOperation isPrime(): The lambda expression must return  if a number is prime or  if it is composite.
3. PerformOperation isPalindrome(): The lambda expression must return  if a number is a palindrome or  if it is not.

**Input Format**

Input is handled for you by the locked stub code in your editor.

**Output Format**

The locked stub code in your editor will print  lines of output.

**Sample Input**

The first line contains an integer,  (the number of test cases).

The  subsequent lines each describe a test case in the form of  space-separated integers:  
The first integer specifies the condition to check for ( for Odd/Even,  for Prime, or  for Palindrome). The second integer denotes the number to be checked.

5

1 4

2 5

3 898

1 3

2 12

**Sample Output**

EVEN

PRIME

PALINDROME

ODD

COMPOSITE

public static PerformOperation is\_odd(){

return (int a) -> a % 2 != 0;

}

public static PerformOperation is\_prime(){

return (int a) -> java.math.BigInteger.valueOf(a).isProbablePrime(1);

}

public static PerformOperation is\_palindrome(){

return (int a) -> Integer.toString(a).equals( new StringBuilder(Integer.toString(a)).reverse().toString() );

}