Objective: Proof that the method correctly indicates all the prime numbers from 0 to n.

Class	Method	Scenario	Input	Output
PrimeNumber	`sieveOfEratosthenes(n)`	`p = new PrimeNumber (1);`	n= 20	The output consists in a boolean array which indicates if de number of the position is a prime or not. (in this case, it takes 0 as true.) [true, false, true, true, false, true, false, true, false, false, false, true, false, true, false, false, false, true, false, true, false]
PrimeNumber	`sieveOfEratosthenes(n)`	`p = new PrimeNumber (1);`	n= 1000	The output consists in a boolean array which indicates if de number of the position is a prime or not. (in this case, it takes 0 as false.) [false, false, true, true,…]
PrimeNumber	`sieveOfEratosthenes(n)`	`p = new PrimeNumber (1);`	n= 1	The output consists in a boolean array which indicates if de number of the position is a prime or not. (in this case, it takes 0 as false and evaluates up to n+1.) [false, false, true]

Objective: Proof that the method correctly indicates all the prime numbers from 0 to n.

Class	Method	Scenario	Input	Output
PrimeNumber	`bitwiseSieve(n)`	`p = new PrimeNumber (1);`	n= 20	The output consists in a boolean array which indicates if de number of the position is a prime or not. (in this case, it takes 0 as true.) [false, false, true, true, false, true, false, true, false, false, false, true, false, true, false, false, false, true, false, true, false]
PrimeNumber	`bitwiseSieve(n)`	`p = new PrimeNumber (1);`	n= 1000	The output consists in a boolean array which indicates if de number of the position is a prime or not. (in this case, it takes 0 as true.) [false, false, true, true,…]
PrimeNumber	`bitwiseSieve(n)`	`p = new PrimeNumber (1);`	n= 1	The output consists in a boolean array which indicates if de number of the position is a prime or not. (in this case, it takes 0 as false and evaluates up to n+1.) [false, false, true]

Objective: Proof that the method correctly indicates all the prime numbers from 0 to n+1.

Class	Method	Scenario	Input	Output
PrimeNumber	`primesByCapY(n)`	`p = new PrimeNumber (1);`	n= 20	The output consists in a boolean array which indicates if de number of the position is a prime or not. (in this case, it takes 0 as false and evaluates up to n+1.) [true, false, true, true, false, true, false, true, false, false, false, true, false, true, false, false, false, true, false, true, false, false]
PrimeNumber	`primesByCapY(n)`	`p = new PrimeNumber (1);`	n= 1000	The output consists in a boolean array which indicates if de number of the position is a prime or not. (in this case, it takes 0 as false and evaluates up to n+1.) [false, false, true, true,…]
PrimeNumber	`primesByCapY(n)`	`p = new PrimeNumber (1);`	n= 1	The output consists in a boolean array which indicates if de number of the position is a prime or not. (in this case, it takes 0 as false and

				evaluates up to n+1.) [false, false, true]