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

Class	Method	Scenario	Input	Output
PrimeNumber	sieveOfEratosthenes(n)	<pre>p = new PrimeNumber (1);</pre>	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, true, false, false, true, false, false, false, true, false, true, false, true, false, true, false]
PrimeNumber	sieveOfEratosthenes(n)	<pre>p = new PrimeNumber (1);</pre>	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.)
PrimeNumber	sieveOfEratosthenes(n)	<pre>p = new PrimeNumber (1);</pre>	n= 1	true,] 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)	<pre>p = new PrimeNumber (1);</pre>	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, true, false, true, false, true,
PrimeNumber	bitwiseSieve(n)	<pre>p = new PrimeNumber (1);</pre>	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.)
PrimeNumber	bitwiseSieve(n)	<pre>p = new PrimeNumber (1);</pre>	n= 1	true,] 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 to n+1.

Class	Method	Scenario	Input	Output
PrimeNumber	primesByCapY(n)			The output
				consists in a
		p = new		boolean array
		PrimeNumber	n= 20	which indicates
		(1);		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	<pre>primesByCapY(n)</pre>			The output
				consists in a
		<pre>p = new PrimeNumber</pre>	n=	boolean array
		(1);	1000	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.)
				Ifalaa falaa tuua
				[false, false, true,
PrimeNumber	primesByCapY(n)			true,]
1 IIIIICINUIIIDEI	p. 1c3bycap1 (11)			The output consists in a
		p = new	n= 1	boolean array
		PrimeNumber	11 1	which indicates
		(1);		if de number of
				the position is a
				prime or not. (in
				this case, it takes
				0 as false and
		<u> </u>	<u> </u>	o as raise and

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