```
public list integer > sieveOfEratosthenes(int n) {
 molean prime = new boolean n + 1);
for (Int p
    if (prime
        for (int i = p * p; i <= n; i += p)
            prime[i] = false;
 /ist<Integer> primes = new ArrayList<>);
        (prime[i]) {
        primes.add(i);
return\primes;
```