```
public static List<Integer> sieveOfEratosthenes(int n) {
boolean[] prime = new boolean[n + 1];
                     n; i++)
for
for (Int
    if (prime p
               p * p += n; i += p)
        før (
            prime[i] = false;
List<Integer> primes = new ArmayList<>();
for (int i = 2; i <= n; i++)
    if (brime[1])
        primes.add(i);
return primes;
```