```
public static list Integer> sieveOfEratosthenes(int n) {
 boolean[] prime = new boolean[n + 1];
 for (int i 0: i
     prime
                   D <-/ // D-
    if
         nime[p]
         for (int i = p * p; i <= n; i += p)
            prime[1] = false;
 List<Integer> primes = new ArrayList<>();
for (in
                1 <= n; i++) {
     if (pra
        primes.add(i);
 return primes;
```