

First of for all prime numbers from 1 to 100000, you will print "YES". But remember 1 is not prime number. Now, you need to pre calculate that how many non-prime numbers cannot be expressed as summation of prime numbers. However the funny thing is that for rest of the all non-prime numbers from 1 to 100000 can be expressed as summation of prime numbers except 4 & 6. Two things are important to solve the problem. 1. 1 is not a prime number. 2. 4 & 6 cannot be expressed as a summation of prime numbers. That's it. For 1, 4 & 6, you will print "NO" and for all other numbers you will print "YES".