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#include<iostream>
using namespace std;

int makeSieve(int n){

    bool isPrime[n+1];
    for(int i=0;i<=n;i++){
        isPrime[i] = true;
    }
    isPrime[0] = false;
    isPrime[1] = false;

    for(int i=2;i*i<=n;i++){
        if(isPrime[i] == true){
            for(int j=i*i;j<=n;j+=i){
                isPrime[j] = false;
            }
        }
    }

    int count = 0;
    for(int i=0;i<=n;i++){
        if(isPrime[i] == true){
            count++;
        }
    }
    return count;

}

int main(){
    int n;
    cin >> n;

    int nPrimes = makeSieve(n);
    cout<<nPrimes <<endl;
    return 0;
}
```