```
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import std.stdio, std.bigint, std.string, std.conv, std.stream, std.datetime;
/* this simple program finds all primes between one given number b
passed to the program from the terminal as an argument, and
the value a=(b-999) */
void main(string g[])
       //Input & Define Range
       BigInt b=g[1];
       BigInt a=(b-999);
         if (a==1) a++;
         //Define Sieve
         BigInt p[1000];
         //Initialize Sieve
         for (ulong i=0;i<=999;i++)</pre>
          p[i] = 1;
         //Start Sieving
         for (BigInt i=2; i*i<=b; i++)</pre>
              BigInt k=a/i;
              k *=i;
              for (BigInt j=k; j<=b; j+=i)</pre>
                if(j!=i&&j>=a)
                    BigInt m=j-a;
                    ulong n=0;
                    for (BigInt o=0; o<m; o++)
                     n++;
                     p[n] = 0;
         }
         //Output
         for (ulong i=0;i<=999;i++)</pre>
         if(p[i]==1)
          writeln(a+i);
}
```