

```

> # some recreational mathemaitcs that involves number theory
> p3b :=proc(a :: integer, b :: integer)
  local c, temp;
  for c from 1 to 120 do
    temp := ithprime(c) :
    if isprime(temp + a) and isprime(temp + b) then print("these three primes are", temp, temp
      + a, temp + b); end if;
  end do;
end proc;
p3b := proc(a::integer, b::integer)
  local c, temp;
  for c to 120 do
    temp := ithprime(c);
    if isprime(temp + a) and isprime(temp + b) then
      print("these three primes are", temp, temp + a, temp + b)
    end if
  end do
end proc

```

(1)

```

> p3b(22, 28);
      "these three primes are", 19, 41, 47
      "these three primes are", 31, 53, 59
      "these three primes are", 61, 83, 89
      "these three primes are", 79, 101, 107
      "these three primes are", 109, 131, 137
      "these three primes are", 151, 173, 179
      "these three primes are", 211, 233, 239
      "these three primes are", 229, 251, 257
      "these three primes are", 241, 263, 269
      "these three primes are", 331, 353, 359
      "these three primes are", 421, 443, 449
      "these three primes are", 439, 461, 467
      "these three primes are", 541, 563, 569
      "these three primes are", 571, 593, 599
      "these three primes are", 619, 641, 647
      "these three primes are", 631, 653, 659

```

(2)