```
BEGIN isPrime
   INPUT: n (number to check)

   IF n <= 1 THEN
      RETURN false   # Numbers less than or equal to 1 are not prime
   ENDIF

   FOR i FROM 2 TO √n DO    # Check divisors up to the square root of n
      IF n MOD i == 0 THEN
         RETURN false     # If divisible(teilbar), it's not a prime number
      ENDIF
   ENDFOR

   RETURN true   # If no divisors are found, the number is prime
END isPrime
```