

```

In[43]:= 1 = 2
          1 == 2
          1 ≠ 2
          1 < 2
          1 ≤ 2
          1 > 2

Set::setraw : Cannot assign to raw object 1. >>

Out[43]= 2

Out[44]= False

Out[45]= True

Out[46]= True

Out[47]= True

Out[48]= False

In[49]:= phoneNumber = 4 718 771
          phoneNumber2 = 8 184 718 771

Out[49]= 4 718 771

Out[50]= 8 184 718 771

In[51]:= Chance1 = PrimePi[phoneNumber] / phoneNumber
          Chance2 = PrimePi[phoneNumber2] / phoneNumber2

Out[51]=  $\frac{330\,191}{4\,718\,771}$ 

Out[52]=  $\frac{375\,880\,061}{8\,184\,718\,771}$ 

In[53]:= result1 = PrimeQ[phoneNumber]
          result2 = PrimeQ[phoneNumber2]

Out[53]= True

Out[54]= False

isPrime[x_] :=
  if[IntegerQ[x], if[PrimeQ[x], print["Input is Prime"], FactorInteger[x]],
    print["Input is not an Integer"]]

```