

Finding Primes

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This document is about how to distinguish the prime numbers. This code can help us to define whether numbers are primes or composite. If a is 21, this code helps to define a between 2 and $21/2+1$. When a has any rest, a is composite. Otherwise, a is prime.



Figure 1: This figure shows the old computer.

PRIME NUMBER CLASSIFIER

```
a=21
b="prime"

for x in range(2,a/2+1):
    if a%x==0:
        b="composite"
        break
print "the number is "+b
```

This code is pretty precise.

```
the number is composite
```

This indicates the output(result) of my program.