Summation of primes

Problem 10 (https://projecteuler.net /problem=10)

The sum of the primes below 10 is 2 + 3 + 5 + 7 = 17.

Find the sum of all the primes below two million.

Solution

In [2]:
```python
n, q, p = 3, 1, [2]
while p[-1]<2000000:
    for x in p:
        if x > q:
            p.append(n)
            break
        if n % x == 0:
            break
    n += 2
    q = int(n ** 0.5)

print(sum(p[:-1]))
```

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