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Sieve of Eratosthenes: invented by Greek scientist & mathematician 'Eratosthenes' in 200 BC.
- based on elimination approach

- eliminating non-primes using number grid

Interesting fact: Eratosthenes measured the ^{circumference} of earth with the help of a stick.

https://www.youtube.com/watch?v=Mw30CgaXiQw&ab_channel=InsiderBusiness

Sieve of Eratosthenes:

Pseudocode: boolean list = { 2 to T }

for i = 2 to $\leq \sqrt{T}$

if (list[i])

{ for j = i to j + i < N

list[j + i] = false // eliminate multiple of i

}

for i = 2 to T // print all primes

if (list[i])

print(i + 1)

— X —