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Sumário

- Existing results
 - Method 1
 - Method 2
 - Method 3





Sumário

- 1 Existing results
 - Method 1
 - Method 2
 - Method 3
- 2 Comparative study





Sumário

- 1 Existing results
 - Method 1
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título

Exiting results

Teste

Open Questions

Is every even number the sum of two primes? [1]





Comparative Study Teste

Answered Questions

How many primes are there?

Open Questions

23 Is every even number the sum of two primes?





```
int main (void)
{
   std::vector<bool> is_prime (100, true);
   for (int i = 2; i < 100; i++)</pre>
```

```
return 0;
```





```
int main (void)
{
 std::vector<bool> is_prime (100, true);
for (int i = 2; i < 100; i++)
if (is_prime[i])
return 0;
```





```
int main (void)
 std::vector<bool> is_prime (100, true);
for (int i = 2; i < 100; i++)
 if (is_prime[i])
 std::cout << i << " ";
for (int j = i; j < 100;
 is_prime [j] = false, j+=i);
return 0;
```



5/6



```
int main (void)
 std::vector<bool> is_prime (100, true);
for (int i = 2; i < 100; i++)
 if (is_prime[i])
 std::cout << i << " ";
 for (int j = i; j < 100;
 is_prime [j] = false, j+=i);
return 0;
```



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Referências



[Goldbach, 1742] Christian Goldbach.

A problem we should try to solve before the ISPN '43 deadline, *Letter to Leonhard Euler*, 1742.



