

# Problem\_2

October 22, 2020

## 1 Problem 2

### 1.0.1 Even Fibonacci numbers

Each new term in the Fibonacci sequence is generated by adding the previous two terms. By starting with 1 and 2, the first 10 terms will be:

1, 2, 3, 5, 8, 13, 21, 34, 55, 89, ...

By considering the terms in the Fibonacci sequence whose values do not exceed four million, find the sum of the even-valued terms.

```
[6]: a=0
      b=1
      suma=0
      while (a<=4000000):
          if (a%2==0):
              suma+=a
          c=a+b
          a=b
          b=c
      print(suma)
```

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