Project_Euler_008

February 4, 2018

1 Project Euler Problem 8

The four adjacent digits in the 1000-digit number that have the greatest product are $9 \times 9 \times 8 \times 9 = 5832$.

Find the thirteen adjacent digits in the 1000-digit number that have the greatest product. What is the value of this product?

In [1]: largenumstr = """

65727333001053367881220235421809751254540594752243

71636269561882670428252483600823257530420752963450

```
largenumstr = ''.join(largenumstr.split())
largenumlist = list(largenumstr)

biggest_product = 0
for i in range(1000-13):
    new_product = 1
    for j in range(i, i+13):
        new_product *= int(largenumlist[j])
    if new_product > biggest_product:
        biggest_product

print(biggest_product)
```

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