numbers = []

x = 3245

n = 4

total = 0

for idx in range(4):

if n >= 1:

total = (x % 10 \*\* n) // 10 \*\* (n - 1)

n = n - 1

numbers.append(total)

print (numbers)

summa = []

s = 0

for idx in range(len(numbers)):

s += numbers[idx]

summa.append(s)

print(summa)

all\_numbers = []  
for x in range(0, 1001):  
 if x % 2:  
 all\_numbers.append(x \*\* 3)  
print(all\_numbers)  
  
for x, numb in enumerate(all\_numbers):  
 print(x, numb)  
  
numbers = []  
for x in range(len(all\_numbers)):  
 total = 0  
 for n in range(1, 9):  
 total += (all\_numbers[x] % 10 \*\* n) // 10 \*\* (n - 1)  
 numbers.append(total)  
print(numbers)

all\_numbers = []  
for x in range(0, 1001):  
 if x % 2:  
 all\_numbers.append(x \*\* 3)  
print(all\_numbers)  
  
for x, numb in enumerate(all\_numbers):  
 print(x, numb)  
  
numbers = []  
for x in range(len(all\_numbers)):  
 total = 0  
 for n in range(1, 9):  
 total += (all\_numbers[x] % 10 \*\* n) // 10 \*\* (n - 1)  
 if not total % 7:  
 # summa += all\_numbers[x]  
 numbers.append(all\_numbers[x])  
print(numbers)  
summa = 0  
for x in range(len(numbers)):  
 summa += numbers[x]  
  
 # summa += all\_numbers[x]  
print(summa)

all\_numbers = []  
for x in range(0, 1001):  
 if x % 2:  
 all\_numbers.append(x \*\* 3)  
print(all\_numbers)  
  
for x, numb in enumerate(all\_numbers):  
 print(x, numb)  
  
numbers = []  
for x in range(len(all\_numbers)):  
 total = 0  
 for n in range(1, 10):  
 total += (all\_numbers[x] % 10 \*\* n) // 10 \*\* (n - 1)  
 if not total % 7:  
 # summa += all\_numbers[x]  
 numbers.append(all\_numbers[x])  
print(numbers)  
summa = 0  
for x in range(len(numbers)):  
 summa += numbers[x]  
  
 # summa += all\_numbers[x]  
print(summa)

Окончательный вариант:

all\_numbers = []  
for x in range(0, 1001):  
 if x % 2:  
 all\_numbers.append(x \*\* 3)  
print(all\_numbers)  
  
summa = 0  
for x in range(len(all\_numbers)):  
 total = 0  
 for n in range(1, 10):  
 total += (all\_numbers[x] % 10 \*\* n) // 10 \*\* (n - 1)  
 if not total % 7:  
 summa += all\_numbers[x]  
print(summa)