

Sum of series

$$N=3 X=2$$

N=5 X=4

$$\Rightarrow 1 + 2 + x^2$$

$$\Rightarrow x^{\circ} + x^{\circ} + x^{2}$$

$$\Rightarrow x + x + x^{-1}$$

 \Rightarrow $1 + x + x^2 + x^3 + x^4$

 $\Rightarrow x^{\circ} + x^{1} + x^{2} + x^{3} + x^{4}$

$$2^{1} = 2$$

2°=>]

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$$3^{1} = -1$$
 $3^{1} = 3$















$$N=3$$
 $X=2$

$$\Rightarrow 1 + 2c + x^2$$

$$2^{2}+2^{2} \Rightarrow 2^{2}+2^{2}+2^{2}$$

$$2^{\circ}+2^{\circ}$$
 $\Rightarrow x^{\circ}+x^{\circ}+x^{\circ}$ $\Rightarrow power = 0 \Rightarrow N-1$
 $5 \text{tep} = 1$ $power = power + 1$

$$\Rightarrow |+ x + x^2 + x^3 + x^4|$$

$$\Rightarrow x^2 + x^1 + x^2 + x^3 + x^4 \quad power = 0 \rightarrow N-1$$

$$\Rightarrow sum = sum + x ** power$$

$$= 1 + 2 ** 1$$

$$= 1 + 2$$

$$= 1 + 2$$

$$= 1 + 3$$

$$2^{\circ} \rightarrow 1$$

$$2^{l} \rightarrow 2$$
** 1

Sum = 3 + 2 * 2

= 3+4

sum =7

2 **3

```
power = 0 sum=0

while (power <= N-1):

sum = sum + x ** power

power = power+1
```

print (sum)

Sum of series

```
def sumOfSeries(N, X):
    if N <= 0 or X <= 0:
        print(-1)
    else:
        s = 0
        power = 0
        while power < N:
        s = s + X ** power
        power = power + 1
        print(s)</pre>
```

Sum Related Odd Problem

$$N = 5$$

$$\Rightarrow \begin{bmatrix} 1, 2, 3, 4, 5 \end{bmatrix}$$

$$1 + 2 + 5 \Rightarrow 9$$

Sum Related Odd Problem

N=5

$$l = 1$$
 $sum = 249$
 $l = 1$
 $while i <= N:$
 $l = 1$
 $sum = 249$
 $sum = 34$
 $sum = 34$

Even Collection

$$5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15$$

 $6 + 8 + 10 + 12 + 14 \Rightarrow 0/1$

Even Collection

```
min = 19   max = 19

gum = 0   for

for h in sange(min, max+1, 1):

if h : / 2 == 0:
L \Rightarrow sum += h
```

```
while sum while i <= max:

if i/2 == 0.

Ly sum t=1
i=i+1
```

Even Collection

```
def evenCollection(max, min):
    s = 0
    for i in range(min, max+1, 1):
        if i % 2 == 0:
            s = s + i
    print(s)
```

Cricket Score

$$[12*]$$
 + $[8*2]$ + $[5*3]$ + $[6*4]$ + $[3*6]$ \Rightarrow botal score 85

