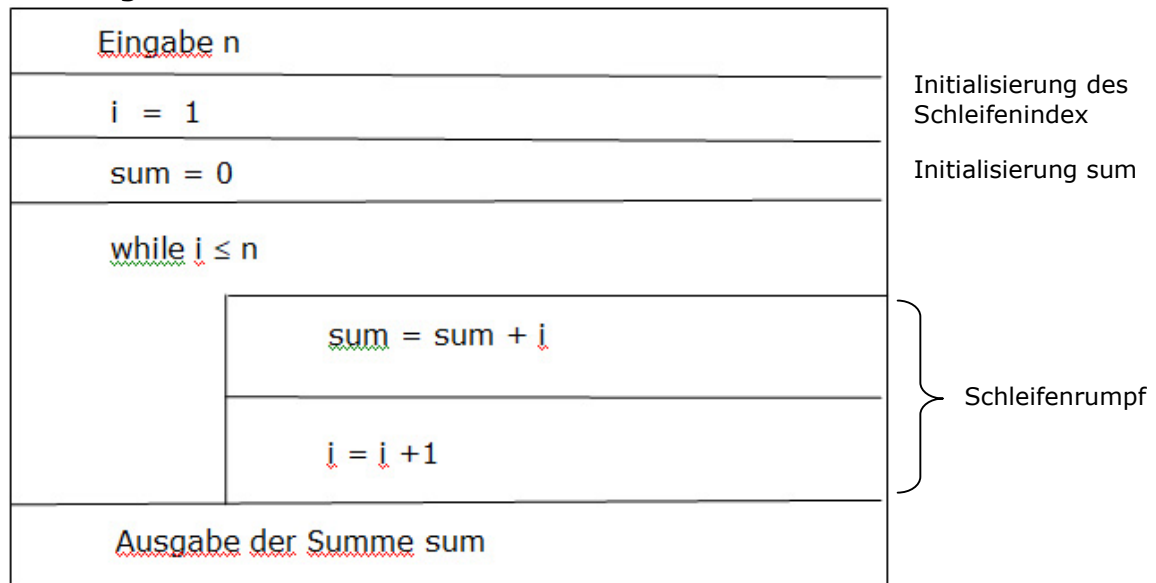


## Lösung zu Aufgabe 5 Blatt 2 vom 12.11.2020

### Summe der ersten n natürlichen Zahlen

#### Struktogramm:



#### Python-Quelltext:

```
Summe_while-loop.py - F:\Informatik_2020\GK...
File Edit Format Run Options Window Help
# Summe 1 + . . . . . + n
# while-Schleife

n = int(input('n = '))

i = 1    # Initialisierung des Schleifenindex i
sum = 0  # Initialisierung der Summe

while i <= n:
    sum = sum + i
    i = i + 1

print('1 + . . . . . +', n, ' = ', sum)
```

Ln: 1 Col: 0

```
File Edit Shell Debug Options Window Help
Python 3.8.6 (tags/v3.8.6:db45529, Sep 23 2020, 15:52:53) [MSC v.1927 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: F:\Informatik_2020\GK_inf_2020-21\MSS11\Summe_while-loop.py =====
n = 100
1 + . . . . . + 100 = 5050
>>>
===== RESTART: F:\Informatik_2020\GK_inf_2020-21\MSS11\Summe_while-loop.py =====
n = 999999
1 + . . . . . + 999999 = 499999500000
>>> |
```