2e opgave module 5, voorbeeld

Bij iedere opgave zijn vele oplossingen mogelijk. De hieronder staande oplossingen zijn dus echt niet de enige manier om de opgaven op te lossen.

```
def f1(a_list):
    result = 0
    for number in a_list:
        result += number ** 2
    return result
```

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```
def f2 (an_int, a_bool2, a_bool3):
    return (an_int % 2 == 0 and a_bool3) or \
           (not a_bool2 and not a_bool3)
```

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```
def f3 ():
    return range(17000, 34001, 17)
```

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```
def f4 (a_list):
    return a_list[30:88]
```

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```
def f5 (a_list1, a_list2):
    return a_list1 + a_list2
```

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```
def f6 (a_str, n):
   if len(a_str) >= n:
       return a_str[:n]
   else: # len(a_str) < n
       return ''
```

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```
def f7 (a_list):
    result = []
    for number in a_list:
        if number != n:
            result.append(number)
    return result
```

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```
def f8 (n):
   i = 0
   result = i ** 5
   while result <= n:
       i += 1
       result = i ** 5
   return result
```

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```
def f9 (a_list, n):
    result = []
    for number in a_list:
        if a_list.count(number) == n:
            if number not in result:
                result.append(number)
    return result
```

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```
def palindroom (a_str):
   return a_str[::-1] == a_str
```

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```
def f11 (s, e):
   result = 1
   for number in range(a, b+1):
       result *= number
   return result
```

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```
def f12 (start, n):
    result = []
    e = start
    for i in range(n):
        result.append(e)
        if e % 3 == 0:
            e = e / 3
        else:
            e = e + 7
return result
```

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```
def fibonacci (n):
    if n == 1:
        return [1]
    if n == 2:
        return [1, 1]

    result = [1, 1]
    for i in range(n-2):
        next = result[-2] + result[-1]
        result.append(next)
    return result
```

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```
def f14 (tekst, n):
    words = tekst.split()
    number_bigger = 0
    for word in words:
        if len(word) > n:
            number_bigger += 1
    number_not_bigger = len(words) - number_bigger
    return number_bigger < number_not_bigger
```