```python
from typing import List

N   = 6      # 求める桁数 5*(N+1) 桁
DEG = 100000 # 桁数の基準

def main():
    x = [2, 12345, 99999, 33333, 44444, 55555, 66666]
    y = [1, 45678, 88888, 90000, 88888, 77777, 66666]

    print("x = ", end="")
    print_result(x)
    print("y = ", end="")
    print_result(y)
    z = adds(x, y)
    print("x+y=", end="\t")
    print_result(z)
    z = subs(x, y)
    print("x-y=", end="\t")
    print_result(z)
    z = muls(x, 9999)
    print("x*9999=", end="\t")
    print_result(z)
    z = divs(x, 9999)
    print("x/9999=", end="\t")
    print_result(z)


def adds(x: List[int], y: List[int], N: int = N, DEG:int = DEG) -> List[int]:
    # 加算
    z, up = [0] * len(x), 0
    for i in range(N, -1, -1):
        sum_ = x[i] + y[i] + up
        if sum_ > DEG - 1:
            z[i] = sum_ - DEG
            up = 1
        else:
            z[i] = sum_
            up = 0
    return z


def subs(x: List[int], y: List[int], N: int = N, DEG: int = DEG) -> List[int]:
    # 減算
    z, borrow = [0]*len(x), 0
    for i in range(N, -1, -1):
        sub = x[i] - y[i] - borrow
        if sub >= 0:
            z[i]   = sub
            borrow = 0
        else:
            z[i]   = DEG + sub
            borrow = 1
    return z


def muls(x: List[int], n: int) -> List[int]:
    global N, DEG
    # 乗算
    z, up = [0]*len(x), 0
    for i in range(N, -1, -1):
        prod = x[i] * n + up
        z[i] = prod % DEG
        up   = prod / DEG
    return z


def divs(x: List[int], n: int) -> List[int]:
    global N, DEG
    # 除算
    z, amari = [0]*len(x), 0
    for i in range(N+1):
        bunshi = amari * DEG + x[i]
        z[i]   = bunshi / n
        amari  = bunshi % n
    return z


def print_result(x: List[int]) -> None:
    global N
    for i in range(N+1):
        print("%05u" % x[i], end=" ")
    print()


if __name__ == "__main__":
    main()
```