Problem 5: You are given a read-only array of N integers with values also in the range [1, N] both inclusive. Each integer appears exactly once except A which appears twice and B which is missing. The task is to find the repeating and missing numbers A and B where A repeats twice and B is missing.

```
def findRepeatingAndMissing(array):
    N = len(array)
    sumOfArray = 0
    sumOfSquares = 0

    for i in range(N):
        sumOfArray += array[i]
        sumOfSquares += array[i] * array[i]

    sumOfIntegers = N * (N + 1) // 2
    sumOfSquaresIntegers = N * (N + 1) * (2 * N + 1) // 6

    diff = sumOfArray - sumOfIntegers
    diffSquares = sumOfSquares - sumOfSquaresIntegers

    A = (diffSquares // diff + diff) // 2
    B = A - diff

    return (A, B)
array1 = [3, 1, 2, 5, 3]
result1 = findRepeatingAndMissing(array1)
print(result1)
```