Artificial Intelligence Lab Work (1)

レポート解答用紙（Report Answer Sheet）

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問 1.

Q1 Answer: 50005000.0

```
n = 10000
total = n * (n + 1) / 2
print("Q1 Answer:", total)
```

問 2.

Q2 Answer: 26543700

```
n = 100

sum_x = n * (n + 1) // 2
sum_x2 = n * (n + 1) * (2 * n + 1) // 6
sum_x3 = (n * (n + 1) // 2) ** 2
sum_const = 9 * n

total = sum_x3 + 3 * sum_x2 + 5 * sum_x + sum_const

print("Q2 Answer:", total)
```

問 3.

```python
def reverse(xlist):
    reversed_list = []
    for i in range(len(xlist)-1, -1, -1):
        reversed_list.append(xlist[i])
    return reversed_list
```