Performance Test Document

July 15, 2025

1 Section 1

This is section 1 with mathematical content:

$$\sum_{k=1}^{1} k^2 = \frac{1(1+1)(2(1)+1)}{6}$$

1.1 Lists

- Item 1 in section 1
- Item 2 in section 1
- Item 3 in section 1
- Item 4 in section 1
- Item 5 in section 1

2 Section 2

This is section 2 with mathematical content:

$$\sum_{k=1}^{2} k^2 = \frac{2(2+1)(2(2)+1)}{6}$$

2.1 Lists

- Item 1 in section 2
- Item 2 in section 2
- Item 3 in section 2
- Item 4 in section 2
- Item 5 in section 2

3 Section 3

This is section 3 with mathematical content:

$$\sum_{k=1}^{3} k^2 = \frac{3(3+1)(2(3)+1)}{6}$$

3.1 Lists

- Item 1 in section 3
- Item 2 in section 3
- Item 3 in section 3
- Item 4 in section 3
- Item 5 in section 3

4 Section 4

This is section 4 with mathematical content:

$$\sum_{k=1}^{4} k^2 = \frac{4(4+1)(2(4)+1)}{6}$$

4.1 Lists

- Item 1 in section 4
- Item 2 in section 4
- Item 3 in section 4
- Item 4 in section 4
- Item 5 in section 4

5 Section 5

This is section 5 with mathematical content:

$$\sum_{k=1}^{5} k^2 = \frac{5(5+1)(2(5)+1)}{6}$$

5.1 Lists

- Item 1 in section 5
- Item 2 in section 5
- Item 3 in section 5
- Item 4 in section 5
- Item 5 in section 5

6 Section 6

This is section 6 with mathematical content:

$$\sum_{k=1}^{6} k^2 = \frac{6(6+1)(2(6)+1)}{6}$$

6.1 Lists

- Item 1 in section 6
- Item 2 in section 6
- Item 3 in section 6
- Item 4 in section 6
- Item 5 in section 6

7 Section 7

This is section 7 with mathematical content:

$$\sum_{k=1}^{7} k^2 = \frac{7(7+1)(2(7)+1)}{6}$$

7.1 Lists

- Item 1 in section 7
- Item 2 in section 7
- Item 3 in section 7
- Item 4 in section 7
- Item 5 in section 7

8 Section 8

This is section 8 with mathematical content:

$$\sum_{k=1}^{8} k^2 = \frac{8(8+1)(2(8)+1)}{6}$$

8.1 Lists

- Item 1 in section 8
- Item 2 in section 8
- Item 3 in section 8
- Item 4 in section 8
- Item 5 in section 8

9 Section 9

This is section 9 with mathematical content:

$$\sum_{k=1}^{9} k^2 = \frac{9(9+1)(2(9)+1)}{6}$$

9.1 Lists

- Item 1 in section 9
- Item 2 in section 9
- Item 3 in section 9
- Item 4 in section 9
- Item 5 in section 9

10 Section 10

This is section 10 with mathematical content:

$$\sum_{k=1}^{10} k^2 = \frac{10(10+1)(2(10)+1)}{6}$$

10.1 Lists

- Item 1 in section 10
- Item 2 in section 10
- Item 3 in section 10
- Item 4 in section 10
- Item 5 in section 10