

$$S_{11} = \frac{25^{3} + 25^{2} + 25^{2} + 1 - 25^{2} - 25^{2}}{2(5^{2} + 25^{2} + 25^{2} + 25^{2})} = \frac{5^{3}}{5^{3} + 25^{2} + 25^{2}}$$

$$S_{22} = S_{11}$$

