

$$S_1 = \frac{a_1 A_{1-1} + a_2 A_{1-2} + a_3 A_{1-3} + a_4 B_1}{a_1 O A_{1-1} + a_2 O A_{1-2} + a_3 O A_{1-3} + a_4 O B_1}$$
