

$$a_{a_n} = (\mathbb{C}_a + \mathbb{C}_b + \mathbb{C}_c)_n \times \frac{\mathbb{C}_{a_n \mid b_n}^{\Sigma(a_n + b_n + c_n)}}{\mathbb{C}_{(a_n + b_n + c_n)}^{\Sigma(a_n + b_n + c_n)}}$$