

$$\pi_1 = 100 - a_1 - b_1 + \frac{a_1 b_1}{(a_1 b_1) + (a_2 b_2) + (a_3 b_3) + (a_4 b_4)} \\ \times [1, 5(b_1 + b_2 + b_3 + b_4) + (a_1 + a_2 + a_3 + a_4)]$$