













$$P_0 = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$

$$P_{0.1} = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$

$$P_{0.2} = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$

$$P_{0.3} = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$

$$P_{0.4} = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$

$$P_{0.5} = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$

$$P_{0.6} = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$

$$P_{0.7} = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$

$$P_{0.8} = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$

$$P_{0.9} = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$

$$P_{1.0} = \frac{1}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10}} = 1 - \left(\frac{2}{3}\right)^{10}$$











