(2)
$$1 - \frac{1}{3} < -\frac{3}{10} < -0.03 < -\frac{3}{1000}$$
$$2 - \frac{1}{3} < -\frac{3}{10} < -0.03 < -\frac{3}{1000}$$
$$3 - \frac{1}{3} < -\frac{3}{10} < -0.03 < -\frac{3}{1000}$$
$$4 - \frac{1}{3} < -\frac{3}{10} < -0.03 < -\frac{3}{1000}$$