$$\operatorname{arctg} x = x - \frac{x^3}{3} + \frac{x^5}{5} + \dots$$

$$\frac{\pi}{4} = 7\operatorname{arctg}\frac{1}{23} + \boxed{10\operatorname{arctg}\frac{1}{30}} + 5\operatorname{arctg}\frac{1}{38} + 3\operatorname{arctg}\frac{1}{182}$$

$$\frac{\pi}{4} = \boxed{-8\operatorname{arctg}\frac{1}{566}} + 8\operatorname{arctg}\frac{1}{109} - 8\operatorname{arctg}\frac{1}{135} + 5\operatorname{arctg}\frac{1}{8} + 2\operatorname{arctg}\frac{1}{18} + 3\operatorname{arctg}\frac{1}{57}$$