

$$\frac{2}{b}$$

$$\pi_{10} = (3.14159 \dots)_{10}$$

$$\rightarrow (3.14159 - 3.14158 = 1 \rightarrow \frac{3.14158}{2} = 1.57079 \dots)$$

... 

$$\pi_2 \approx 0.110010 \times \frac{\text{shaded square}}{2^2}$$