

$$\boxed{1} \int_{2023}^{2025} 2024 \, dx$$

$$\boxed{2} \int \frac{(x-1)^{\log(x+1)}}{(x+1)^{\log(x-1)}} \, dx$$

$$\boxed{3} \int (x \log x + 2x) \, dx$$

$$\boxed{4} \int \frac{dx}{x \log x + 2x}$$

$$\boxed{5} \int_0^{2\pi} \arccos(\sin x) \, dx$$

$$\boxed{6} \int \frac{\cos x + \cot x + \csc x + 1}{\sin x + \tan x + \sec x + 1} \, dx$$

$$\boxed{7} \int \frac{x^{2024} - 1}{x^{506} - 1} \, dx$$

$$\boxed{8} \int_{-1}^1 (5x^3 - 3x)^2 \, dx$$

$$\boxed{9} \int_0^{2\pi} (\sin x + \cos x)^{11} \, dx$$

$$\boxed{10} \int_0^{2\pi} (\sinh x + \cosh x)^{11} \, dx$$

$$\boxed{11} \int \csc^2(x) \tan^{2024}(x) dx$$

$$\boxed{12} \int \cos^x(x)(\log(\cos x) - x \tan x) dx$$

$$\boxed{13} \int_{-\infty}^{\infty} e^{-(x-2024)^2/4} dx$$

$$\boxed{14} \int_{1/e}^e \left(1 - \frac{1}{x^2}\right) e^{e^{x+1/x}} dx$$

$$\boxed{15} \int (x + 1 - e^{-x})e^{xe^x} dx$$

$$\boxed{16} \int \left(\frac{\arctan(x)}{1-x^2} + \frac{\operatorname{arctanh}(x)}{1+x^2} \right) dx$$

$$\boxed{17} \int \left(\sum_{k=0}^{\infty} \sin\left(\frac{k\pi}{2}\right) x^k \right) dx$$

$$\boxed{18} \int_0^1 \left(\sum_{n=0}^{2024} x^{2^n - 1012} \right) dx$$

$$\boxed{19} \int \frac{x^4}{3 - 6x + 6x^2 - 4x^3 + 2x^4} dx$$

$$\boxed{20} \int_1^3 \frac{x + \frac{x+\dots}{1+\dots}}{1 + \frac{x+\dots}{1+\dots}} dx$$