

You evaluated a Left Reimman Sum approximation of

$$\int_0^2 \left( \ln \left( 1.5x^0 + \frac{1.5x^3 + 5}{e^{(\sqrt{4-x^2})} + 1.5 (\sqrt{4-x^2})^3 + 5} + \pi \right) \right) dx$$

with 10000000 steps. This returned

$$\int_0^2 g \circ f(x) dx = 3.31889341352405$$

with an error bound of

$$E < |1.9984 \cdot 10^{-7}|$$

Accurate digits are

$$3.3188929999999996$$