You evaluated a Left Reimman Sum approximation of

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

with 10000000 steps. This returned

$$\int_0^2 f(x)dx = 7.127095319251178$$

with an error bound of

$$E < |5.9508 \cdot 10^{-6}|$$

Accurate digits are

$$7.127090000000001$$