

## Find the Function.

Submission deadline: May 28<sup>th</sup> 2024

Let  $f$  be a real valued function defined on all real numbers. If

$$f(xy + 1) = f(x)f(y) - f(y) - x + 2$$

for all  $x, y$  and  $f(0) = 1$ , find  $f(x)$ .