

# Integral Definida - Función exponencial Bit Planet

Solución

$$\int_2^3 e^{x-1} dx$$

Cambio de variable

$$* u = x - 1$$

$$* du = 1 - 0 dx$$

$$du = dx$$

$$dx = du$$

$$\int_2^3 e^u du$$
$$= e^u \Big|_2^3$$

$$e^{x-1} \Big|_2^3$$

$$(e^{3-1} - e^{2-1}) = e^2 - e = \underline{4.670}$$

$$* \int e^u du = e^u + c$$