$$\begin{cases} u(x) = x & u'(x) = 1 \\ v'(x) = e^x & v(x) = e^x \end{cases} \qquad \mathrm{I} = \int_1^7 x \times e^x dx = \left[x \cdot e^x \right]_1^7 - \int_1^7 1 \times e^x dx = 6 \cdot e^7$$

$$\begin{cases} u(x) = x & u'(x) = 1 \\ v'(x) = e^x & v(x) = e^x \end{cases} \qquad \mathrm{I} = \int_1^t x \times e^x dx = \left[x \cdot e^x \right]_1^t - \int_1^t 1 \times e^x dx = t \cdot e^t - \left(e^t \right)$$

$$\begin{cases} u(x) = \ln(x) & u'(x) = (x)^{-1} \\ v'(x) = 1 & v(x) = x \end{cases} \qquad \mathrm{I} = \int_1^t \ln(x) \times 1 dx = \left[x \cdot \ln(x) \right]_1^t - \int_1^t (x)^{-1} \times x dx = t \cdot \ln(t) - t + 1$$

Ipp([undef]);