

Non-life — Assignment NL1

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Question 1

The power of \LaTeX lies in easy and beautiful typesetting of complicated formulas like

$$\sum_{n=0}^{\infty} x^n = \frac{1}{1-x},$$

or

$$\int_{-\pi}^{\pi} \sin\left(\frac{x}{2} + \pi\right) dx = 0,$$

or

$$\begin{pmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{pmatrix} \begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix} = \begin{pmatrix} 6 \\ 15 \end{pmatrix}.$$

In an `align*` environment (included in package `amsmath`) the characters following the tab-sign & are aligned:

$$\begin{aligned} (1-x)(1+x+x^2+\dots+x^n) &= 1-x+x-x^2+x^2-\dots+x^n-x^{n+1} \\ &= 1-x^{n+1}. \end{aligned}$$

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