$f : [0; l] \to \mathbb{R} \begin{cases} sin, \\ cos. \end{cases}$

sin	$a_0 = a_n = 0$ $b_n = \frac{2}{l} \int_0^l f(x) \sin \frac{n\pi x}{l} \, dx$ $f(x) = \begin{cases} -f(x), x \in [-l; 0) \\ f(x), x \in (0; l], \ T = 2l \end{cases}$ fct. impare $\Rightarrow f(-x) = -f(x)$
cos	$b_n = 0$ $a_0 = \frac{2}{l} \int_0^l f(x) \, dx$ $a_n = \frac{2}{l} \int_0^l f(x) \cos \frac{n\pi x}{l} \, dx$ $f(x) = \begin{cases} f(-x), \ x \in [-l; 0) \\ f(-x), \ x \in [0; l] \end{cases}$ fct. pare $\Rightarrow f(-x) = f(x)$