Task 1

Solve the exercises on Winter (2016), page 10.

Task 2

Write functions that convert expressions built up of binary operators between pre- and infix notation. Your functions should work on expressions of arbitrary complexity. You can use any notation suitable to your programming language to represent expressions. Examples:

$$
\begin{aligned}
(x_1 \circ_1 x_2) &\equiv (\circ_1 x_1 x_2) \\
(x_1 \circ_1 (x_2 \circ_2 x_3) &\equiv (\circ_1 x_1 (\circ_2 x_2 x_3)) \\
((x_1 \circ_1 x_2) \circ_2 x_3) &\equiv (\circ_2 (\circ_1 x_1 x_2) x_3) \\
&\vdots
\end{aligned}
$$