

$$\begin{aligned}
A \Delta B &= (A \setminus B) \cup (B \setminus A) = (A \cap B') \cup (B \cap A') = \emptyset \cup (A \cap B') \cup (A' \cap B) \cup \emptyset = \\
&= (A \cap A') \cup (A \cap B') \cup (B \cap A') \cup (B \cap B') = A \cap (A' \cup B') \cup B \cap (A' \cap B') = \\
&= (A \cup B) \cap (A' \cup B') = (A \cup B) \cap (\mathcal{C}(A) \cup \mathcal{C}(B)) = (A \cup B) \cap \mathcal{C}(A \cap B)
\end{aligned}$$

Primjedba: Ovaj postupak je analogan sa sljedećim postupkom u iskaznoj algebri:

$$\begin{aligned}
A \underline{\vee} B &= \overline{A \vee B} = \overline{A} \overline{B} = \perp \vee \overline{A} \overline{B} \vee \overline{A} \overline{B} \vee \perp = \overline{A} \overline{A} \vee \overline{A} \overline{B} \vee \overline{A} \overline{B} \vee \overline{B} \overline{B} = \\
&= \overline{A} (\overline{A} \vee \overline{B}) \vee \overline{B} (\overline{A} \vee \overline{B}) = (\overline{A} \vee \overline{B}) (\overline{A} \vee \overline{B}) = (\overline{A} \vee \overline{B}) \overline{A \vee B}
\end{aligned}$$