

$$\begin{aligned}
 i) \quad A &= \{Myvi, Aruz, Persona\} \\
 B &= \{Persona, Lexus\} \\
 C &= \{Lexus\}
 \end{aligned}$$

$$\begin{aligned}
 i) \quad (A-B) \cup (B-A) \\
 &= \{Myvi, Aruz\} \cup \{Lexus\} \\
 &= \{Myvi, Aruz, Lexus\}
 \end{aligned}$$

$$\begin{aligned}
 ii) \quad A - (B - C) \\
 &= \{Myvi, Aruz, Persona\} - (\{Persona, Lexus\} - \{Lexus\}) \\
 &= \{Myvi, Aruz\}
 \end{aligned}$$

$$\begin{aligned}
 iii) \quad &C \times ((A-B) \cup (B-A) \times (A - (B-C))) \\
 &= \{Lexus\} \times (\{Myvi, Aruz, Lexus\} \times \{Myvi, Aruz\}) \\
 &= \{Lexus\} \times \{(Myvi, Myvi), (Myvi, Aruz), (Aruz, Myvi), (Aruz, Aruz), \\
 &\quad (Lexus, Myvi), (Lexus, Aruz)\} \\
 &= \{(Lexus, Myvi, Myvi), (Lexus, Myvi, Aruz), (Lexus, Aruz, Myvi), (Lexus, Aruz, \\
 &\quad Aruz), (Lexus, Lexus, Myvi), (Lexus, Lexus, Aruz)\}
 \end{aligned}$$

c) $(p \wedge r) \vee q \rightarrow p \vee (q \wedge r)$

p	q	r	$p \wedge r$	$q \wedge r$	$(p \wedge r) \vee q$	$p \vee (q \wedge r)$	$(p \wedge r) \vee q \rightarrow p \vee (q \wedge r)$
T	T	T	T	T	T	T	T
T	T	F	F	F	T	T	T
T	F	T	T	F	T	T	T
T	F	F	F	F	F	T	T
F	T	T	F	T	T	T	T
F	T	F	F	F	T	F	F
F	F	T	F	F	F	F	T
F	F	F	F	F	F	F	T