

4.5 (b)

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19:20

$$A \circ B := (A \oplus B) \ominus B$$

$$\stackrel{4.1}{=} \{a+b \mid a \in A \wedge b \in B\} \ominus B$$

$$\stackrel{4.4}{=} \{x : x+B \subset \{a+b \mid a \in A \wedge b \in B\}\}$$

$$\exists x = a \in A \Rightarrow x \in A \quad \text{Tautology since } x=a,$$

$$\Rightarrow \forall x : x \in A$$

$$\Leftrightarrow A \subset A \circ B$$



$\forall x \in A : x \in A$
You want
 $x \in A \circ B$

1/2