

$$(\vee \{a \in I : f(a) = \mathfrak{A}\}) \vee (\vee \{a \in J : g(a) = \mathfrak{A}\}) \leq (\vee \{a \in I : h(a) = \mathfrak{A}\}) \vee (\vee \{a \in J : k(a) = \mathfrak{A}\})$$