

$$f(x) > 0 \Rightarrow g(x) \leq 0$$

$$\text{III} \quad (f(x) \leq 0) \vee (g(x) \leq 0)$$

$$\text{III} \quad \left\{ \begin{array}{l} f(x) \leq B_1(1-y) \\ g(x) \leq B_2 y \\ y \in \{0, 1\} \end{array} \right.$$

