$$\mathbb{I}_{\mathbb{SNT}}(X,Y) = \mathbb{S}_{LK}(\mathbb{N}_S(X), \mathbb{T}_M(X,Y))$$

$$\mathbb{S}_{LK}(X,Y) = [min\{1, \underline{x} + \underline{y}\}, min\{1, \bar{x} + \bar{y}\}]$$

$$\mathbb{N}_S(X) = [1 - \bar{x}, 1 - \underline{x}]$$

$$\mathbb{T}_M(X,Y)) = [min\{\underline{x}, \underline{y}\}, min\{\bar{x}, \bar{y}\}]$$

- 1 - Determine a implicação $\mathbb{I}_{\mathbb{SNT}}(X,Y) = \mathbb{S}_{LK}(\mathbb{N}_S(X), \mathbb{T}_M(X,Y))$

$$\mathbb{I}_{\mathbb{SNT}}(X,Y) = \mathbb{S}_{LK}([1 - \bar{x}, 1 - \underline{x}], [min\{\underline{x}, \underline{y}\}, min\{\bar{x}, \bar{y}\}])$$
$$\mathbb{I}_{\mathbb{SNT}}(X,Y) = [min\{1, 1 - \bar{x} + min\{\underline{x}, \underline{y}\}\}, min\{1, 1 - \underline{x} + min\{\bar{x}, \bar{y}\}\}]$$

- 2 - Determine a coimplicação $\mathbb{J}_{\mathbb{SNT}}(X,Y)$ de $\mathbb{I}_{\mathbb{SNT}}(X,Y) = \mathbb{S}_{LK}(\mathbb{N}_S(X), \mathbb{T}_M(X,Y))$

$$\mathbb{J}_{\mathbb{SNT}}(X,Y) = \mathbb{N}_S(X).\mathbb{I}_{\mathbb{SNT}}(X,Y)$$
$$\mathbb{J}_{\mathbb{SNT}}(X,Y) = \mathbb{N}_S(X).\mathbb{S}_{LK}(\mathbb{N}_S(X), \mathbb{T}_M(X,Y))$$
$$\mathbb{J}_{\mathbb{SNT}}(X,Y) = \mathbb{S}_{LK}(X, \mathbb{T}_M(\mathbb{N}_S(X), \mathbb{N}_S(Y)))$$
$$\mathbb{J}_{\mathbb{SNT}}(X,Y) = \mathbb{S}_{LK}([\underline{x}, \bar{x}], \mathbb{T}_M([1 - \bar{x}, 1 - \underline{x}], [1 - \bar{y}, 1 - \underline{y}]))$$
$$\mathbb{J}_{\mathbb{SNT}}(X,Y) = [min\{1, \underline{x} + min\{1 - \bar{x}, 1 - \bar{y}\}\}, min\{1, \bar{x} + min\{1 - \underline{x}, 1 - \underline{y}\}\}]$$

- 3 - Determine a implicação conjugada $\mathbb{I}^{\Phi}_{\mathbb{SNT}}(X,Y)$ de $\mathbb{I}_{\mathbb{SNT}}(X,Y) = \mathbb{S}_{LK}(\mathbb{N}_S(X), \mathbb{T}_M(X,Y))$

$$\mathbb{J}^{\Phi}_{\mathbb{SNT}}(X,Y) = \Phi^{-1}(\mathbb{S}_{LK}(\mathbb{N}_S(\Phi(X)), \mathbb{T}_M(\Phi(X), \Phi(Y))))$$
$$\mathbb{J}^{\Phi}_{\mathbb{SNT}}(X,Y) = \Phi^{-1}(\mathbb{S}_{LK}([1 - \phi(\bar{x}), 1 - \phi(\underline{x})]), [min\{\phi(\underline{x}), \phi(\underline{y})\}, min\{\phi(\bar{x}), \phi(\bar{y})\}])$$
$$\mathbb{J}^{\Phi}_{\mathbb{SNT}}(X,Y) = \Phi^{-1}([min\{1, 1-\phi(\bar{x})+min\{\phi(\underline{x}), \phi(\underline{y})\}, min\{1, 1-\phi(\underline{x})+min\{\phi(\bar{x}), \phi(\bar{y})\}])$$
$$\mathbb{J}^{\Phi}_{\mathbb{SNT}}(X,Y) = [\phi^{-1}(min\{1, 1-\phi(\bar{x})+min\{\phi(\underline{x}), \phi(\underline{y})\}), \phi^{-1}(min\{1, 1-\phi(\underline{x})+min\{\phi(\bar{x}), \phi(\bar{y})\})]$$