

$$\max(x, y) = x + (y \dot{-} x)$$

|-----| x

|-----| y
 y-x

|-----| x

|-----| y

$$\min(x, y) = y \dot{-} (y \dot{-} x)$$

~~~~~ x ~~~~~

$\min(x, y):$

$$\int \mathbb{1}_{i \leq x+y} ((x \dot{-} i)(y \dot{-} i) = 0)$$

$\max(x, y):$

$$\int \mathbb{1}_{i \leq x+y} ((x \dot{-} i) + (y \dot{-} i) = 0)$$