

Add

$x + y$

...

...

...

...

Mul

$x * y$

...

...

...

...

Min

$\min(x, y)$

$\min(\max(x, k), y)$

$\min(\max(y, k), x)$

$\min(\max(k - x, y), x)$

...

Max

$\max(x, y)$

$\max(\min(x, k), y)$

$\max(\min(y, k), x)$

$\max(\min(k - x, y), x)$

...