

Initialize neuron input range with IBP:
Intervals

Initialize the number of integer variables:
 Ω

Initialization

Iteration

Start iteration:
 $j = 0$

Traverse the neural network: for the n -th operation

Choose the neurons: refineList

Refine the range of the neurons in refineList
Increase integer variables

$j = j + 1$

If $j > J - 1$

No

Yes

Output: $\delta(\text{Intervals}_N(0))$

