Inputs | Pos. Linear Layer | Sym. Hard Limit Layer

$\mathbf{p}$
2x1

$\mathbf{W}^1$
4x2

$\mathbf{z}^1$

1

$\mathbf{b}^1$
4x1

$\mathbf{n}^1$
4x1

$\mathbf{a}^1$
4x1

$\mathbf{W}^2$
1x4

$\mathbf{z}^2$

1

$\mathbf{b}^2$
1x1

$\mathbf{n}^2$
1x1

$\mathbf{a}^2$
1x1

2 | 4 | 1

$\mathbf{a}^1 = \mathbf{poslin}(\mathbf{W}^1\mathbf{p} + \mathbf{b}^1)$

$\mathbf{a}^2 = \mathbf{hardlims}(\mathbf{W}^2\mathbf{a}^1 + \mathbf{b}^2)$