

### Features

- 16 Input X 16 Output X (up to) 16 Layer Neural Network with Selectable Activation (bias, if any, consumes one input).
- Computes directly with human-readable "H=8" decimal character sequence representations, automatically converting them to bfloat16 format for computations and then automatically converting outputs back to decimal character before automatically spilling into one of 256 result buffers.
- Only 1 clock per 32-input node ( $x[15:0]$ ,  $w[15:0]$ ) computation time, equating to only 16 clocks per 16-node layer, using REPEAT instr.
- Submit data directly from spreadsheets, text editors, etc., without explicit conversion to binary format beforehand and retrieve results in human-readable decimal character format.

