

## TOOLS



## NODES

AveragePool

Batch Normalization

Convolutional

Dropout

Flatten

Fully Connected

LRN

MaxPool

ReLU

Reshape

Sigmoid

SoftMax

Unsqueeze

## PROPERTIES

Generic SMT

Polyhedral

## Fully Connected

in\_features <3>  
out\_features <20>  
weight <20x3>  
bias <20>  
has\_bias <True>

(20,)

## ReLU

(20,)

## Fully Connected

in\_features <20>  
out\_features <10>  
weight <10x20>  
bias <10>  
has\_bias <True>

(10,)

## ReLU

(10,)

## Fully Connected

in\_features <10>  
out\_features <1>  
weight <1x10>  
bias <1>  
has\_bias <True>

## Parameters

## FC1:Fully Connected

Matrix product that computes  $\alpha * A' * B' + \text{bias}$

## PARAMETERS

IN\_FEATURES int ▼

OUT\_FEATURES int ▼

WEIGHT Tensor ▼

BIAS Tensor ▼

HAS\_BIAS boolean true ▼

## INPUT

A Tensor ▼

## OUTPUT

OUTPUT Tensor ▼