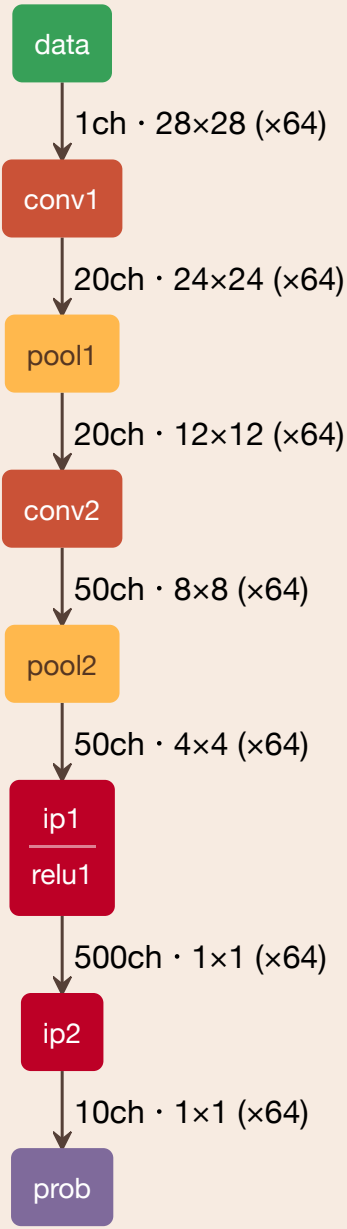
```
name: "LeNet"
layer {
  name: "data"
  type: "Input"
  top: "data"
  input_param { shape: { dim: 64 dim: 1 dim: 28 dim: 28 } }
}
layer {
  name: "conv1"
  type: "Convolution"
  bottom: "data"
  top: "conv1"
  param {
    lr_mult: 1
  }
  param {
    lr_mult: 2
  }

convolution_param {

num_output: 20

kernel_size: 5
    stride: 1

weight_filler {
      type: "xavier"
    }

bias_filler {
      type: "constant"
    }
  }
}
layer {
```

LeNet (edit)



```
  name: "pool1"
  type: "Pooling"
  bottom: "conv1"
  top: "pool1"

pooling_param {
    pool: MAX

kernel_size: 2
    stride: 2
  }
}
layer {
  name: "conv2"
  type: "Convolution"
  bottom: "pool1"
  top: "conv2"
  param {
    lr_mult: 1
  }
  param {
    lr_mult: 2
  }

convolution_param {

num_output: 50

kernel_size: 5
    stride: 1

weight_filler {
      type: "xavier"
    }

bias_filler {
      type: "constant"
    }
```

Network Analysis

Summary:

```
  }
}
layer {
  name: "pool2"
  type: "Pooling"
  bottom: "conv2"
  top: "pool2"
  pooling_param {
    pool: MAX
    kernel_size: 2
    stride: 2
  }
}
layer {
  name: "ip1"
  type: "InnerProduct"
  bottom: "pool2"
  top: "ip1"
  param {
    lr_mult: 1
  }
  param {
    lr_mult: 2
  }
  inner_product_param {
    num_output: 500
    weight_filler {
      type: "xavier"
    }
    bias_filler {
      type: "constant"
    }
```

ID	name	type	batch	ch_in	dim_in
1	data	Input		1	28x28
2	conv1	Convolution		1	28x28
3	pool1	Pooling		20	24x24
4	conv2	Convolution		20	12x12
5	pool2	Pooling		50	8x8
6	ip1	InnerProduct		50	4x4
7	relu1	ReLU		500	1x1
8	ip2	InnerProduct		500	1x1
9	prob	Softmax		10	1x1
	TOTAL				

```
  }
}
layer {
  name: "relu1"
  type: "ReLU"
  bottom: "ip1"
  top: "ip1"
}
layer {
  name: "ip2"
  type: "InnerProduct"
  bottom: "ip1"
  top: "ip2"
  param {
    lr_mult: 1
  }
  param {
    lr_mult: 2
  }
  inner_product_param {
    num_output: 10
    weight_filler {
      type: "xavier"
    }
    bias_filler {
      type: "constant"
    }
  }
}
layer {
  name: "prob"
  type: "Softmax"
  bottom: "ip2"
  top: "prob"
}
```

Details:

ID	name	type	batch	ch_in	dim_in
1	data	Input	64	1	28x28
2	conv1	Convolution	64	1	28x28
3	pool1	Pooling	64	20	24x24
4	conv2	Convolution	64	20	12x12
5	pool2	Pooling	64	50	8x8

| ID | name | type | batch | ch_in | dim_in |

6	ip1	InnerProduct	64	50	4x4
7	relu1	ReLU	64	500	1x1
8	ip2	InnerProduct	64	500	1x1
9	prob	Softmax	64	10	1x1

Excel-compatible Analysis Results (experimental)