```
input-tensor          (1, 3, 32, 32)
depth:0

flatten       input:   (1, 3, 32, 32)
depth:1       output:   (1, 3072)

Linear        input:   (1, 3072)
depth:1       output:   (1, 1024)

leaky_relu    input:   (1, 1024)
depth:1       output:   (1, 1024)

Linear        input:   (1, 1024)
depth:1       output:   (1, 512)

leaky_relu    input:   (1, 512)
depth:1       output:   (1, 512)

Dropout       input:   (1, 512)
depth:1       output:   (1, 512)

Linear        input:   (1, 512)
depth:1       output:   (1, 256)

leaky_relu    input:   (1, 256)
depth:1       output:   (1, 256)

Linear        input:   (1, 256)
depth:1       output:   (1, 128)

leaky_relu    input:   (1, 128)
depth:1       output:   (1, 128)

Dropout       input:   (1, 128)
depth:1       output:   (1, 128)

Linear        input:   (1, 128)
depth:1       output:   (1, 64)

leaky_relu    input:   (1, 64)
depth:1       output:   (1, 64)

Linear        input:   (1, 64)
depth:1       output:   (1, 32)

leaky_relu    input:   (1, 32)
depth:1       output:   (1, 32)

Dropout       input:   (1, 32)
depth:1       output:   (1, 32)

Linear        input:   (1, 32)
depth:1       output:   (1, 16)

leaky_relu    input:   (1, 16)
depth:1       output:   (1, 16)

Linear        input:   (1, 16)
depth:1       output:   (1, 8)

leaky_relu    input:   (1, 8)
depth:1       output:   (1, 8)

Dropout       input:   (1, 8)
depth:1       output:   (1, 8)

Linear        input:   (1, 8)
depth:1       output:   (1, 4)

leaky_relu    input:   (1, 4)
depth:1       output:   (1, 4)

Linear        input:   (1, 4)
depth:1       output:   (1, 2)

leaky_relu    input:   (1, 2)
depth:1       output:   (1, 2)

Dropout       input:   (1, 2)
depth:1       output:   (1, 2)

log_softmax   input:   (1, 2)
depth:1       output:   (1, 2)

output-tensor   (1, 2)
depth:0
```