```
nn.Sequential {
  [input -> (1) -> (2) -> (3) -> output]
  (1): nn.DataAugment
  (2): nn.Copy
  (3): nn.Sequential {
    [input -> (1) -> (2) -> (3) -> (4) -> output]
    (1): nn.Concat {
```

```
      input
        |`-> (1): nn.Sequential {
        |      [input -> (1) -> (2) -> (3) -> (4) -> (5) -> output]
        |      (1): nn.RescaleModule
        |      (2): nn.Sequential {
        |        [input -> (1) -> (2) -> (3) -> (4) -> (5) -> (6) ->
(7) -> (8) -> (9) -> (10) -> (11) -> (12) -> (13) -> (14) -> (15) ->
(16) -> (17) -> (18) -> (19) -> (20) -> (21) -> (22) -> (23) -> (24) ->
(25) -> (26) -> (27) -> (28) -> (29) -> (30) -> output]
        |        (1): nn.SpatialConvolution(3 -> 64, 3x3, 1,1, 1,1)
        |        (2): nn.SpatialBatchNormalization
        |        (3): nn.ReLU
        |        (4): nn.SpatialMaxPooling(4,4,4,4)
        |        (5): nn.SpatialConvolution(64 -> 128, 3x3, 1,1, 1,1)
        |        (6): nn.SpatialBatchNormalization
        |        (7): nn.ReLU
        |        (8): nn.SpatialMaxPooling(3,3,3,3)
        |        (9): nn.SpatialConvolution(128 -> 256, 3x3, 1,1, 1,1)
        |        (10): nn.SpatialBatchNormalization
        |        (11): nn.ReLU
        |        (12): nn.Dropout(0.100000)
        |        (13): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (14): nn.SpatialBatchNormalization
        |        (15): nn.ReLU
        |        (16): nn.SpatialMaxPooling(2,2,2,2)
        |        (17): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (18): nn.SpatialBatchNormalization
        |        (19): nn.ReLU
        |        (20): nn.Dropout(0.200000)
        |        (21): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (22): nn.SpatialBatchNormalization
        |        (23): nn.ReLU
        |        (24): nn.Dropout(0.200000)
        |        (25): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (26): nn.SpatialBatchNormalization
        |        (27): nn.ReLU
        |        (28): nn.SpatialMaxPooling(2,2,2,2)
        |        (29): nn.View(1024)
        |        (30): nn.Sequential {
        |          [input -> (1) -> (2) -> (3) -> (4) -> (5) -> (6) ->
(7) -> output]
        |          (1): nn.Dropout(0.500000)
        |          (2): nn.Linear(1024 -> 256)
        |          (3): nn.BatchNormalization
        |          (4): nn.ReLU
        |          (5): nn.Dropout(0.400000)
        |          (6): nn.Linear(256 -> 10)
        |          (7): nn.SoftMax
        |        }
        |      }
        |      (3): nn.CMul
        |      (4): nn.View(10,1)
        |      (5): nn.Contiguous
        |    }
        |
         ... -> output
    }
```

```
        |`-> (2): nn.Sequential {
        |      [input -> (1) -> (2) -> (3) -> (4) -> (5) -> output]
        |      (1): nn.RescaleModule
        |      (2): nn.Sequential {
        |        [input -> (1) -> (2) -> (3) -> (4) -> (5) -> (6) ->
(7) -> (8) -> (9) -> (10) -> (11) -> (12) -> (13) -> (14) -> (15) ->
(16) -> (17) -> (18) -> (19) -> (20) -> (21) -> (22) -> (23) -> (24) ->
(25) -> (26) -> (27) -> (28) -> (29) -> (30) -> (31) -> (32) -> (33) ->
(34) -> output]
        |        (1): nn.SpatialConvolution(3 -> 64, 3x3, 1,1, 1,1)
        |        (2): nn.SpatialBatchNormalization
        |        (3): nn.ReLU
        |        (4): nn.SpatialMaxPooling(2,2,2,2)
        |        (5): nn.SpatialConvolution(64 -> 128, 3x3, 1,1, 1,1)
        |        (6): nn.SpatialBatchNormalization
        |        (7): nn.ReLU
        |        (8): nn.SpatialMaxPooling(2,2,2,2)
        |        (9): nn.SpatialConvolution(128 -> 128, 3x3, 1,1, 1,1)
        |        (10): nn.SpatialBatchNormalization
        |        (11): nn.ReLU
        |        (12): nn.SpatialMaxPooling(2,2,2,2)
        |        (13): nn.SpatialConvolution(128 -> 256, 3x3, 1,1, 1,1)
        |        (14): nn.SpatialBatchNormalization
        |        (15): nn.ReLU
        |        (16): nn.Dropout(0.100000)
        |        (17): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (18): nn.SpatialBatchNormalization
        |        (19): nn.ReLU
        |        (20): nn.SpatialMaxPooling(2,2,2,2)
        |        (21): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (22): nn.SpatialBatchNormalization
        |        (23): nn.ReLU
        |        (24): nn.Dropout(0.200000)
        |        (25): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (26): nn.SpatialBatchNormalization
        |        (27): nn.ReLU
        |        (28): nn.Dropout(0.200000)
        |        (29): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (30): nn.SpatialBatchNormalization
        |        (31): nn.ReLU
        |        (32): nn.SpatialMaxPooling(2,2,2,2)
        |        (33): nn.View(1024)
        |        (34): nn.Sequential {
        |          [input -> (1) -> (2) -> (3) -> (4) -> (5) -> (6) ->
(7) -> output]
        |          (1): nn.Dropout(0.500000)
        |          (2): nn.Linear(1024 -> 256)
        |          (3): nn.BatchNormalization
        |          (4): nn.ReLU
        |          (5): nn.Dropout(0.400000)
        |          (6): nn.Linear(256 -> 10)
        |          (7): nn.SoftMax
        |        }
        |      }
        |      (3): nn.CMul
        |      (4): nn.View(10,1)
        |      (5): nn.Contiguous
```

```
        |`-> (3): nn.Sequential {
        |      [input -> (1) -> (2) -> (3) -> (4) -> (5) -> output]
        |      (1): nn.RescaleModule
        |      (2): nn.Sequential {
        |        [input -> (1) -> (2) -> (3) -> (4) -> (5) -> (6) ->
(7) -> (8) -> (9) -> (10) -> (11) -> (12) -> (13) -> (14) -> (15) ->
(16) -> (17) -> (18) -> (19) -> (20) -> (21) -> (22) -> (23) -> (24) ->
(25) -> (26) -> (27) -> (28) -> (29) -> (30) -> output]
        |        (1): nn.SpatialConvolution(3 -> 64, 3x3, 1,1, 1,1)
        |        (2): nn.SpatialBatchNormalization
        |        (3): nn.ReLU
        |        (4): nn.SpatialMaxPooling(2,2,2,2)
        |        (5): nn.SpatialConvolution(64 -> 128, 3x3, 1,1, 1,1)
        |        (6): nn.SpatialBatchNormalization
        |        (7): nn.ReLU
        |        (8): nn.SpatialMaxPooling(2,2,2,2)
        |        (9): nn.SpatialConvolution(128 -> 256, 3x3, 1,1, 1,1)
        |        (10): nn.SpatialBatchNormalization
        |        (11): nn.ReLU
        |        (12): nn.Dropout(0.100000)
        |        (13): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (14): nn.SpatialBatchNormalization
        |        (15): nn.ReLU
        |        (16): nn.SpatialMaxPooling(2,2,2,2)
        |        (17): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (18): nn.SpatialBatchNormalization
        |        (19): nn.ReLU
        |        (20): nn.Dropout(0.200000)
        |        (21): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (22): nn.SpatialBatchNormalization
        |        (23): nn.ReLU
        |        (24): nn.Dropout(0.200000)
        |        (25): nn.SpatialConvolution(256 -> 256, 3x3, 1,1, 1,1)
        |        (26): nn.SpatialBatchNormalization
        |        (27): nn.ReLU
        |        (28): nn.SpatialMaxPooling(2,2,2,2)
        |        (29): nn.View(1024)
        |        (30): nn.Sequential {
        |          [input -> (1) -> (2) -> (3) -> (4) -> (5) -> (6) ->
(7) -> output]
        |          (1): nn.Dropout(0.500000)
        |          (2): nn.Linear(1024 -> 256)
        |          (3): nn.BatchNormalization
        |          (4): nn.ReLU
        |          (5): nn.Dropout(0.400000)
        |          (6): nn.Linear(256 -> 10)
        |          (7): nn.SoftMax
        |        }
        |      }
        |      (3): nn.CMul
        |      (4): nn.View(10,1)
        |      (5): nn.Contiguous
```

```
    (2): nn.Mean
    (3): nn.View(10)
    (4): nn.LogSoftMax
  }
}
```