```
Conv2DDNNLayer
        num_filters: 64
        filter_size: (3, 3)
        pad: (100, 100)
          stride: (1, 1)
      nonlinearity: rectify
Output shape: (5, 64, 698, 698)
      Conv2DDNNLayer
        num_filters: 64
        filter_size: (3, 3)
          pad: (1, 1)
stride: (1, 1)
      nonlinearity: rectify
Output shape: (5, 64, 698, 698)
       Pool2DDNNLayer
           pad: (0, 0)
          stride: (2, 2)
Output shape: (5, 64, 349, 349)
      Conv2DDNNLayer
        num_filters: 128
        filter_size: (3, 3)
          pad: (50, 50)
          stride: (1, 1)
      nonlinearity: rectify
Output shape: (5, 128, 447, 447)
      Conv2DDNNLayer
        num_filters: 128
        filter_size: (3, 3)
           pad: (1, 1)
          stride: (1, 1)
      nonlinearity: rectify
Output shape: (5, 128, 447, 447)
       Pool2DDNNLayer
           pad: (0, 0)
          stride: (2, 2)
Output shape: (5, 128, 223, 223)
      Conv2DDNNLayer
        num_filters: 256
        filter_size: (3, 3)
           pad: (1, 1)
          stride: (1, 1)
      nonlinearity: rectify
Output shape: (5, 256, 223, 223)
      Conv2DDNNLayer
        num_filters: 256
        filter_size: (3, 3)
           pad: (1, 1)
          stride: (1, 1)
      nonlinearity: rectify
Output shape: (5, 256, 223, 223)
      Conv2DDNNLayer
        num_filters: 256
        filter_size: (3, 3)
           pad: (1, 1)
          stride: (1, 1)
      nonlinearity: rectify
Output shape: (5, 256, 223, 223)
       Pool2DDNNLayer
           pad: (0, 0)
          stride: (2, 2)
Output shape: (5, 256, 111, 111)
      Conv2DDNNLayer
        num_filters: 512
        filter_size: (3, 3)
           pad: (1, 1)
          stride: (1, 1)
      nonlinearity: rectify
Output shape: (5, 512, 111, 111)
      Conv2DDNNLayer
        num_filters: 512
        filter_size: (3, 3)
          pad: (1, 1)
stride: (1, 1)
      nonlinearity: rectify
Output shape: (5, 512, 111, 111)
      Conv2DDNNLayer
        num_filters: 512
        filter_size: (3, 3)
           pad: (1, 1)
          stride: (1, 1)
      nonlinearity: rectify
Output shape: (5, 512, 111, 111)
       Pool2DDNNLayer
           pad: (0, 0)
          stride: (2, 2)
 Output shape: (5, 512, 55, 55)
      Conv2DDNNLayer
        num_filters: 512
        filter_size: (3, 3)
           pad: (1, 1)
          stride: (1, 1)
      nonlinearity: rectify
 Output shape: (5, 512, 55, 55)
      Conv2DDNNLayer
        num_filters: 512
        filter_size: (3, 3)
           pad: (1, 1)
          stride: (1, 1)
      nonlinearity: rectify
 Output shape: (5, 512, 55, 55)
      Conv2DDNNLayer
        num_filters: 512
        filter_size: (3, 3)
           pad: (1, 1)
          stride: (1, 1)
      nonlinearity: rectify
 Output shape: (5, 512, 55, 55)
       Pool2DDNNLayer
           pad: (0, 0)
          stride: (2, 2)
 Output shape: (5, 512, 27, 27)
           NINLayer
          num_units: 4
       nonlinearity: linear
  Output shape: (5, 4, 27, 27)
```

InputLayer Output shape: (5, 6, 500, 500)