```
Input
       3x640x640
   Block 1
 (Layers 1,2)
       16x320x320
   Block 2
 (Layers 3,4)
       32x160x160
   Block 3
 (Layers 5,6)
       64x80x80
   Block 4
 (Layers 7,8)
       \int 64x40x40
   Block 5
(Layers 9,10)
      \int 64 x 20 x 20
   Block 6
(Layers 11,12)
      \int 64x10x10
   Block 7
(Layers 13,14)
       64x5x5
 Conv2d 2x2
  (Layer 15)
      \int 64x4x4
AvgPool 4x4
       64x1x1
    Linear
  (Layer 16)
   Output
```