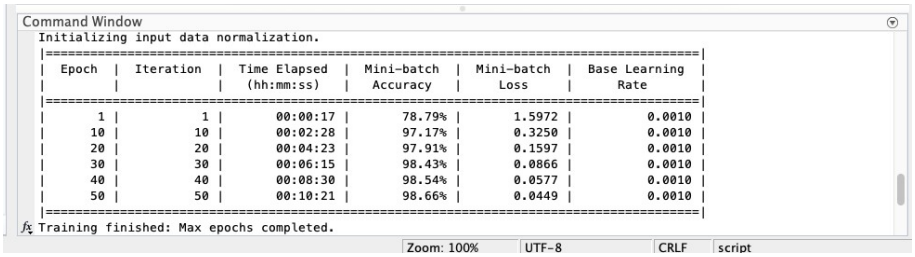
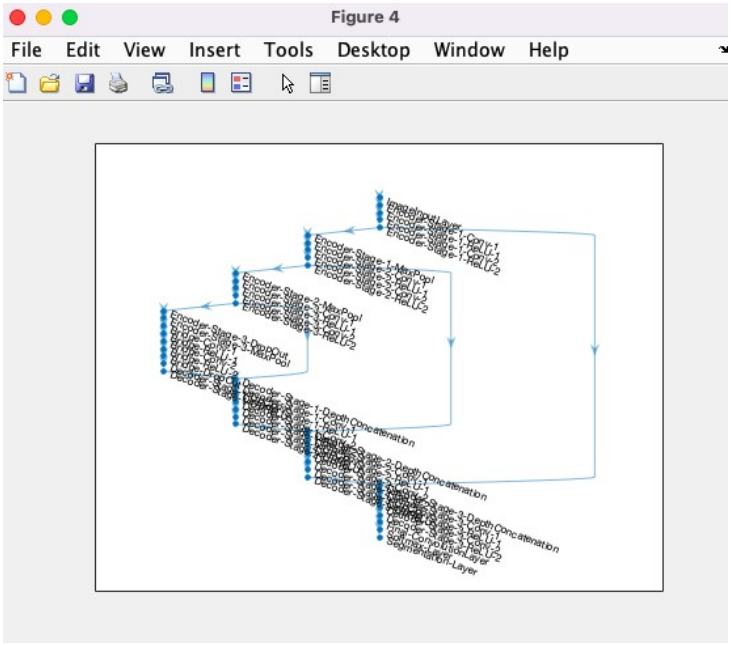
Resultados con valores predeterminados
Learning Rate: 1e-2
Max Epochs: 30

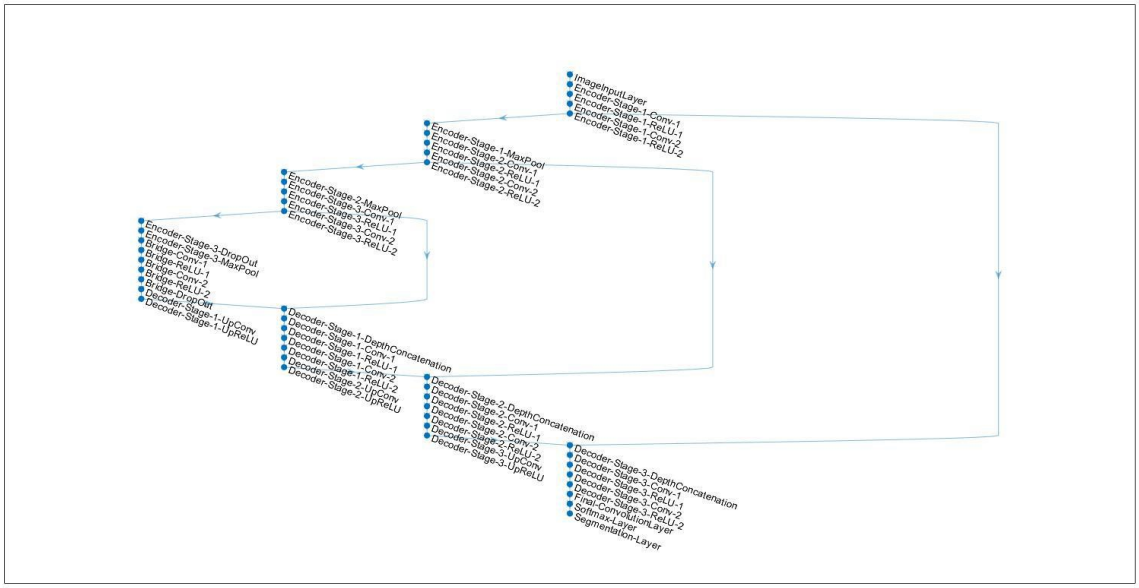
Resultados con cambio en valores de learning rate y max epochs

Learning Rate: 1e-6
Max Epochs: 50





Learning Rate: 1e-6
Max Epochs: 40



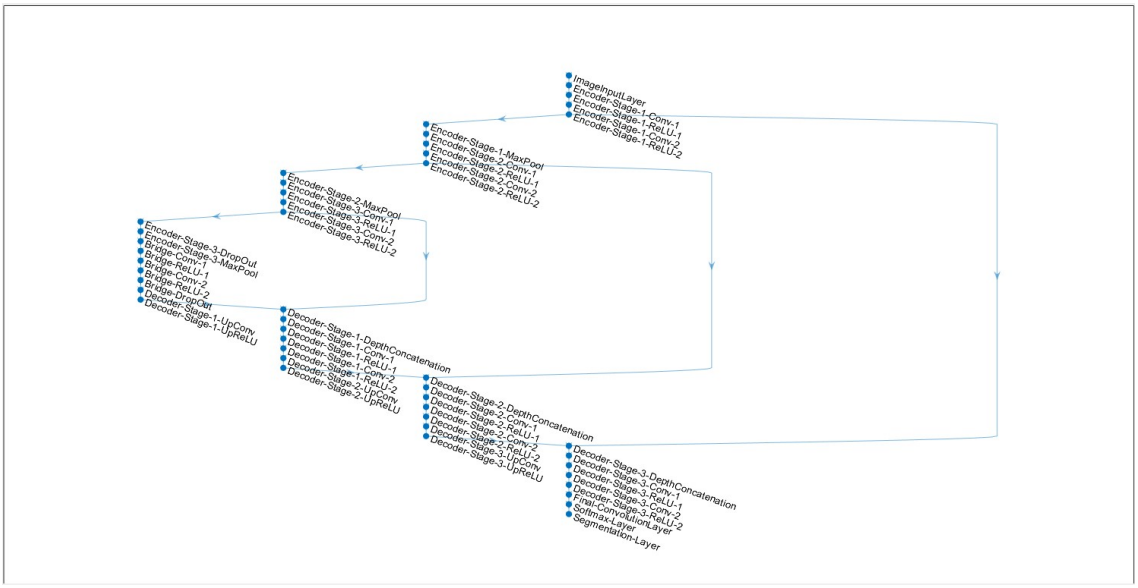

```
Training on single CPU.
Initializing input data normalization.
|=========================================================================================|
|  Epoch  |  Iteration  |  Time Elapsed  |  Mini-batch  |  Mini-batch  |  Base Learning  |
|         |             |   (hh:mm:ss)   |   Accuracy   |     Loss     |      Rate       |
|=========================================================================================|
|       1 |           1 |       00:00:06 |       92.21% |       1.0396 |      1.0000e-06 |
|      10 |          10 |       00:01:11 |       91.64% |       1.0978 |      1.0000e-06 |
|      20 |          20 |       00:02:21 |       90.33% |       1.2291 |      1.0000e-06 |
|      30 |          30 |       00:03:33 |       88.97% |       1.3663 |      1.0000e-06 |
|      40 |          40 |       00:04:43 |       88.21% |       1.4414 |      1.0000e-06 |
|=========================================================================================|
Training finished: Max epochs completed.

net =

  DAGNetwork with properties:

         Layers: [58×1 nnet.cnn.layer.Layer]
    Connections: [61×2 table]
     InputNames: {'ImageInputLayer'}
    OutputNames: {'Segmentation-Layer'}
```

Learning Rate: 1e-5
Max Epochs: 40




```
Training on single CPU.
Initializing input data normalization.
|=========================================================================================|
|  Epoch  |  Iteration  |  Time Elapsed  |  Mini-batch  |  Mini-batch  |  Base Learning  |
|         |             |   (hh:mm:ss)   |   Accuracy   |     Loss     |      Rate       |
|=========================================================================================|
|       1 |           1 |       00:00:06 |       49.15% |       4.0143 |      1.0000e-05 |
|      10 |          10 |       00:01:05 |       87.66% |       1.3300 |      1.0000e-05 |
|      20 |          20 |       00:02:18 |       92.25% |       0.9598 |      1.0000e-05 |
|      30 |          30 |       00:03:39 |       92.05% |       0.9456 |      1.0000e-05 |
|      40 |          40 |       00:05:02 |       93.75% |       0.7792 |      1.0000e-05 |
|=========================================================================================|
Training finished: Max epochs completed.

net =

  DAGNetwork with properties:

         Layers: [58×1 nnet.cnn.layer.Layer]
    Connections: [61×2 table]
     InputNames: {'ImageInputLayer'}
    OutputNames: {'Segmentation-Layer'}
```

- Número más apropiado de epochs máximo
  Consideramos que el número más apropiado de epochs máximo es 50, ya que al hacer las simulaciones se tenía una mayor precisión.

- ¿Cómo afecta el learning rate la precisión?
  Al tener un menor learning rate la precisión bajaba comparado cuando la precisión era mayor.