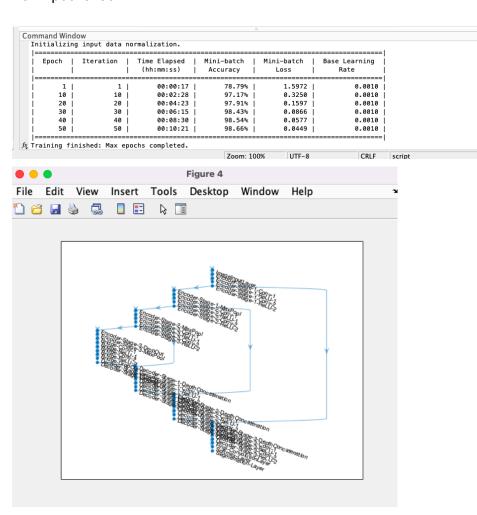
## Resultados con valores predeterminados

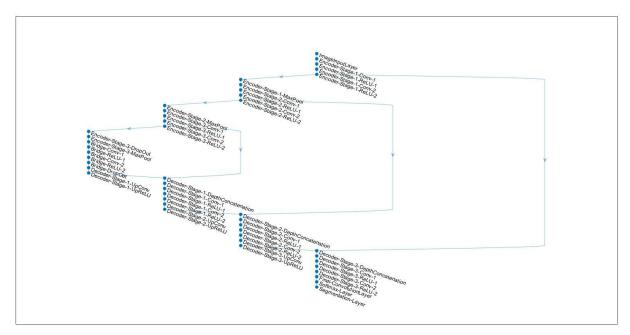
Learning Rate: 1e-2 Max Epochs: 30

## 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.

1 1	Epoch	   	Iteration	     	Time Elapsed (hh:mm:ss)	   	Mini-batch Accuracy	     	Mini-batch Loss	   	Base Learning   Rate
i	1	ī	1	ī	00:00:06	ï	92.21%	ï	1.0396	ï	1.0000e-06
1	10	1	10	1	00:01:11	ī	91.64%	T	1.0978	Ī	1.0000e-06
1	20	1	20	1	00:02:21	Ī	90.33%	T	1.2291	Ī	1.0000e-06
1	30	1	30	1	00:03:33	T	88.97%	T	1.3663	L	1.0000e-06
-1	40	1	40	1	00:04:43	1	88.21%	1	1.4414	I	1.0000e-06
1	=======	===		===		===		===		==	

Training finished: Max epochs completed.

net =

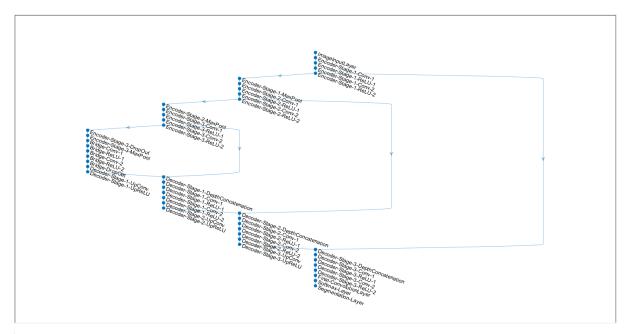
## DAGNetwork with properties:

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.

1	Epoch	   	Iteration	   	Time Elapsed (hh:mm:ss)	 	Mini-batch Accuracy	   	Mini-batch Loss	   	Base Learning Rate	 
i	1	1	1	ī	00:00:06	1	49.15%	1	4.0143	ı	1.0000e-05	l
1	10	T	10	T	00:01:05	1	87.66%	Ī	1.3300	Ī	1.0000e-05	ĺ
1	20	1	20	1	00:02:18	1	92.25%	1	0.9598	I	1.0000e-05	ĺ
1	30	1	30	1	00:03:39	1	92.05%	1	0.9456	Ī	1.0000e-05	ĺ
1	40	1	40	1	00:05:02	1	93.75%	$\mathbf{I}$	0.7792		1.0000e-05	ĺ
П	=======						.========				==========	ĺ

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.