

# Redes Neurais Convolutivas

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# Sumario

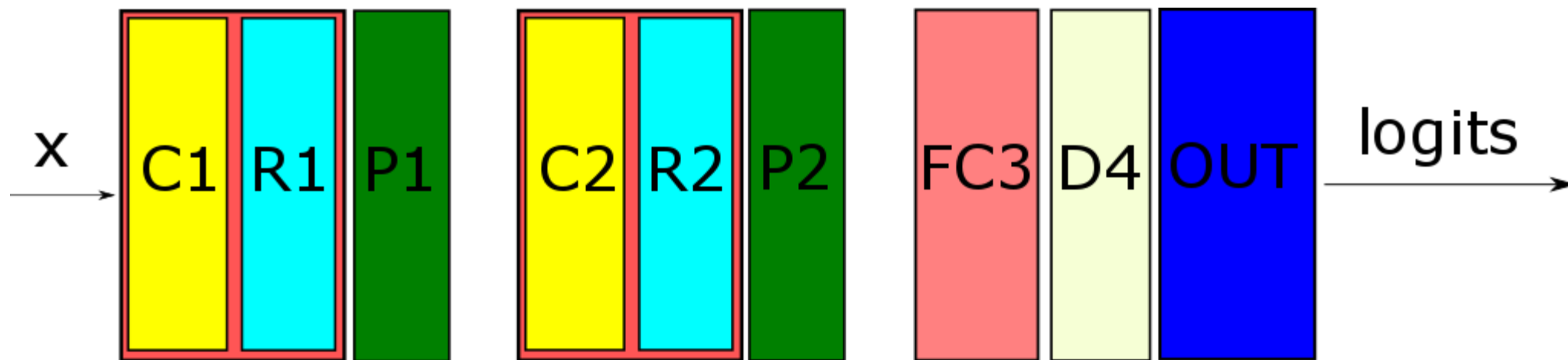
- Tutorial-2
  - Analisar uma rede Deep Learning
  - Summary and Scope (Tensorboard)
- Tutorial-3
  - LeNet-5
  - AlexNet

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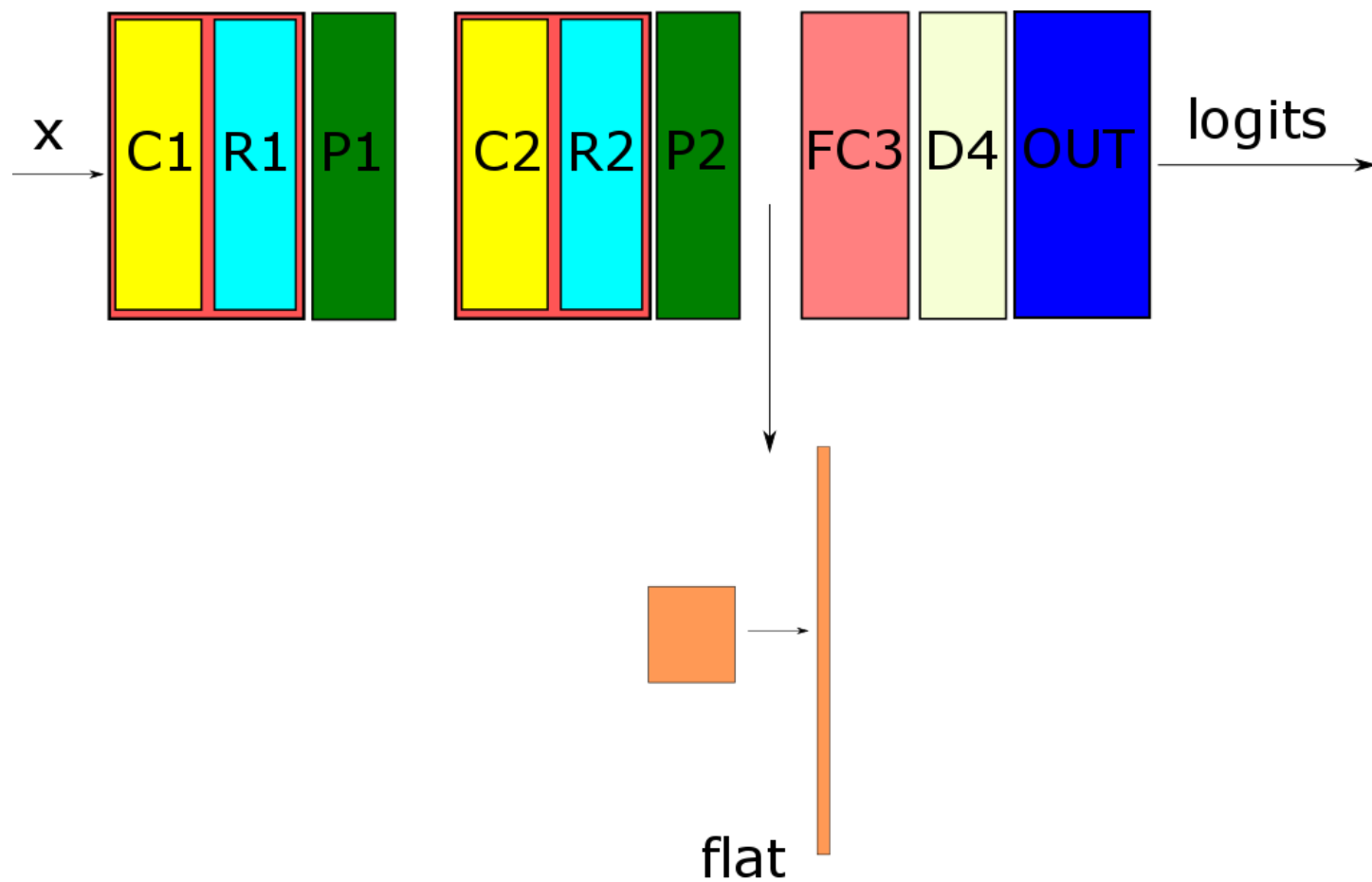
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# Analisar uma rede Deep Learning

- Neste tutorial o objetivo é analisar o comportamento da rede Deep Learning:



# Análise



# Análise

- **Gradientes**

- `tf.train.GradientDescentOptimizer`
- `tf.train.AdagradDAOptimizer`
- `tf.train.AdadeltaOptimizer`
- `tf.train.RMSPropOptimizer`
- `tf.train.AdamOptimizer`

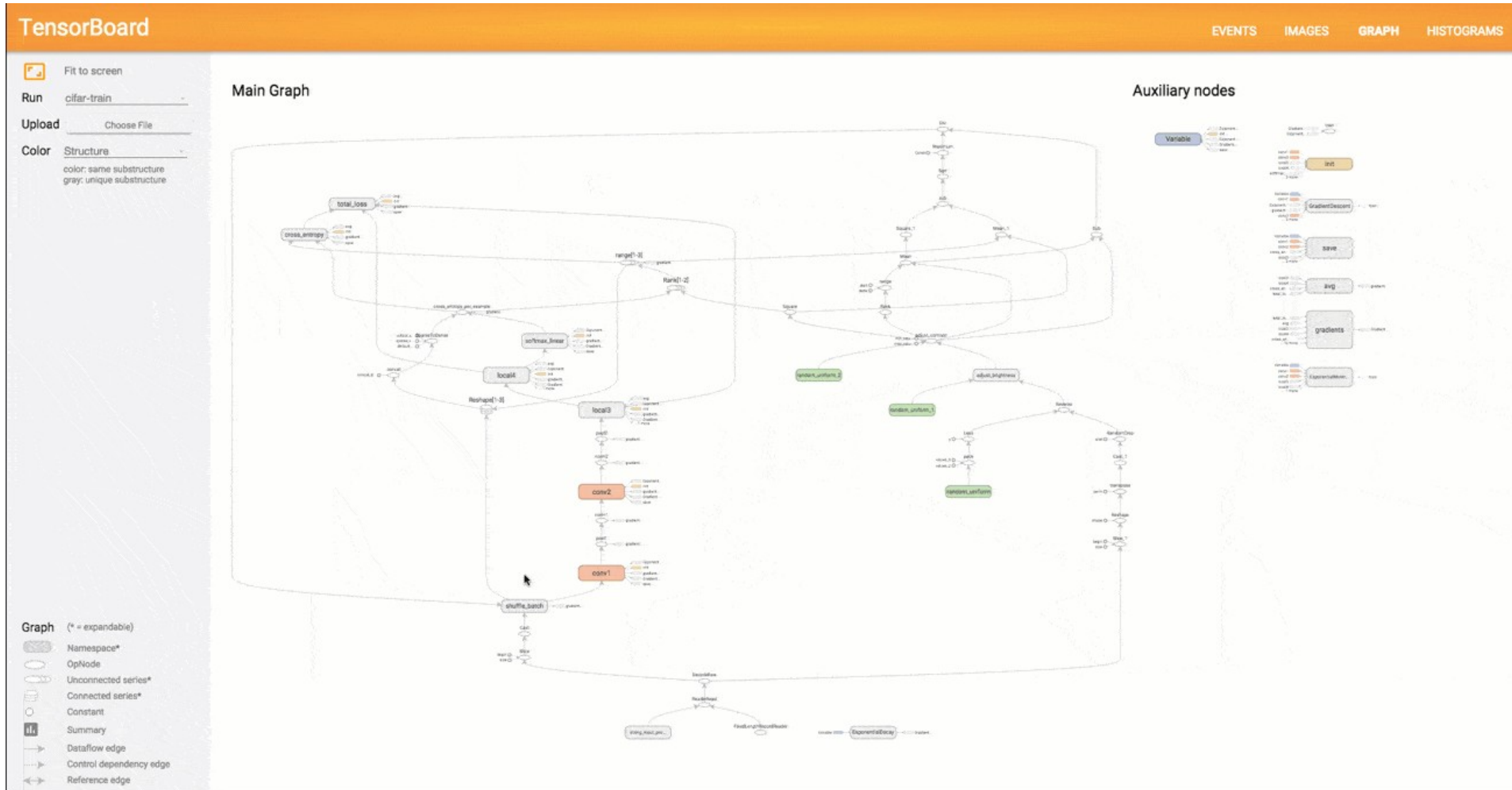
- **Analisar Batch:**

- `batch_size=500`
- `batch_size=128`

batch_size\grad	SGD	RMSProp
500	--	--
128	--	--

Qual apresentar melhor resultado ???

# Summary and Scope (Tensorboard)



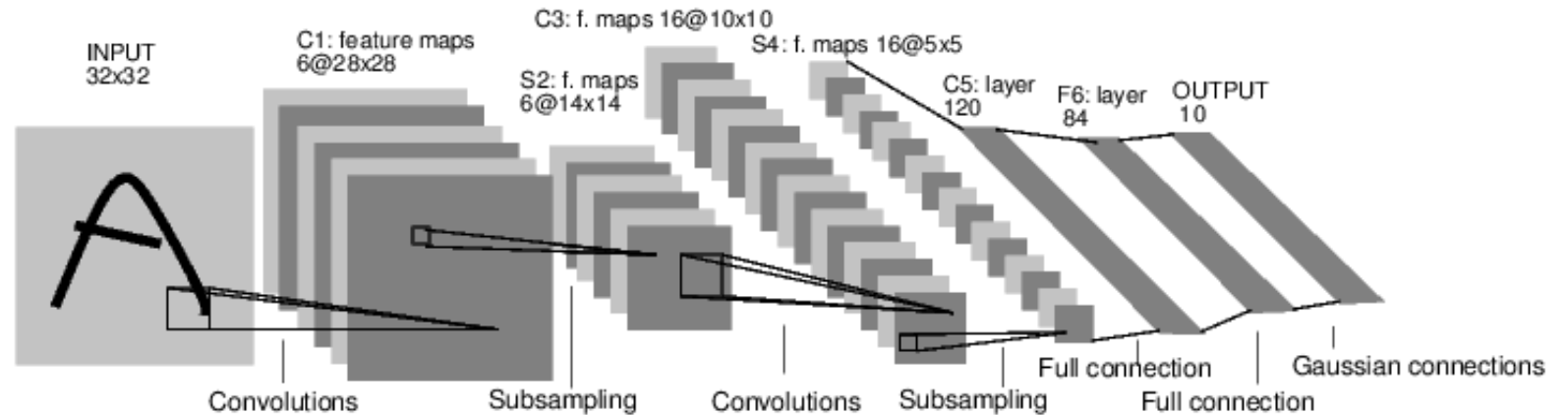
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  - tf.contrib.Learn
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# LeNet-5

- Dataset (MNIST)
- Configurar a rede com as especificações do tutorial-3:



# AlexNet

- Dataset (CIFAR-10)
- Configurar a rede com as especificações do tutorial-3:

