



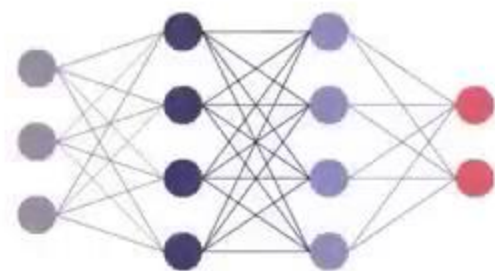
Facial recognition

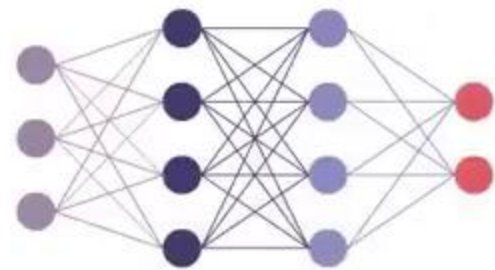


Real-time translation



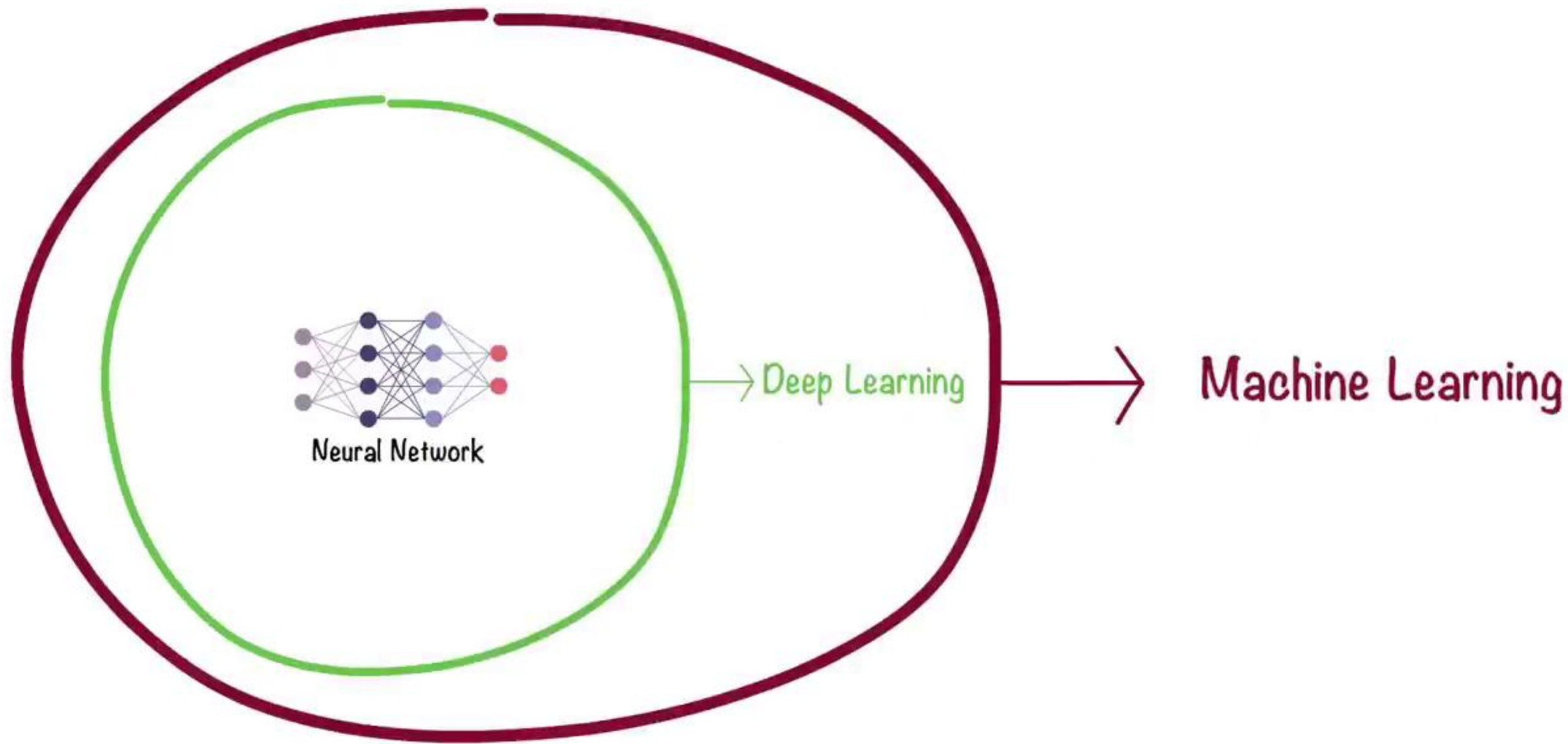
Music composition

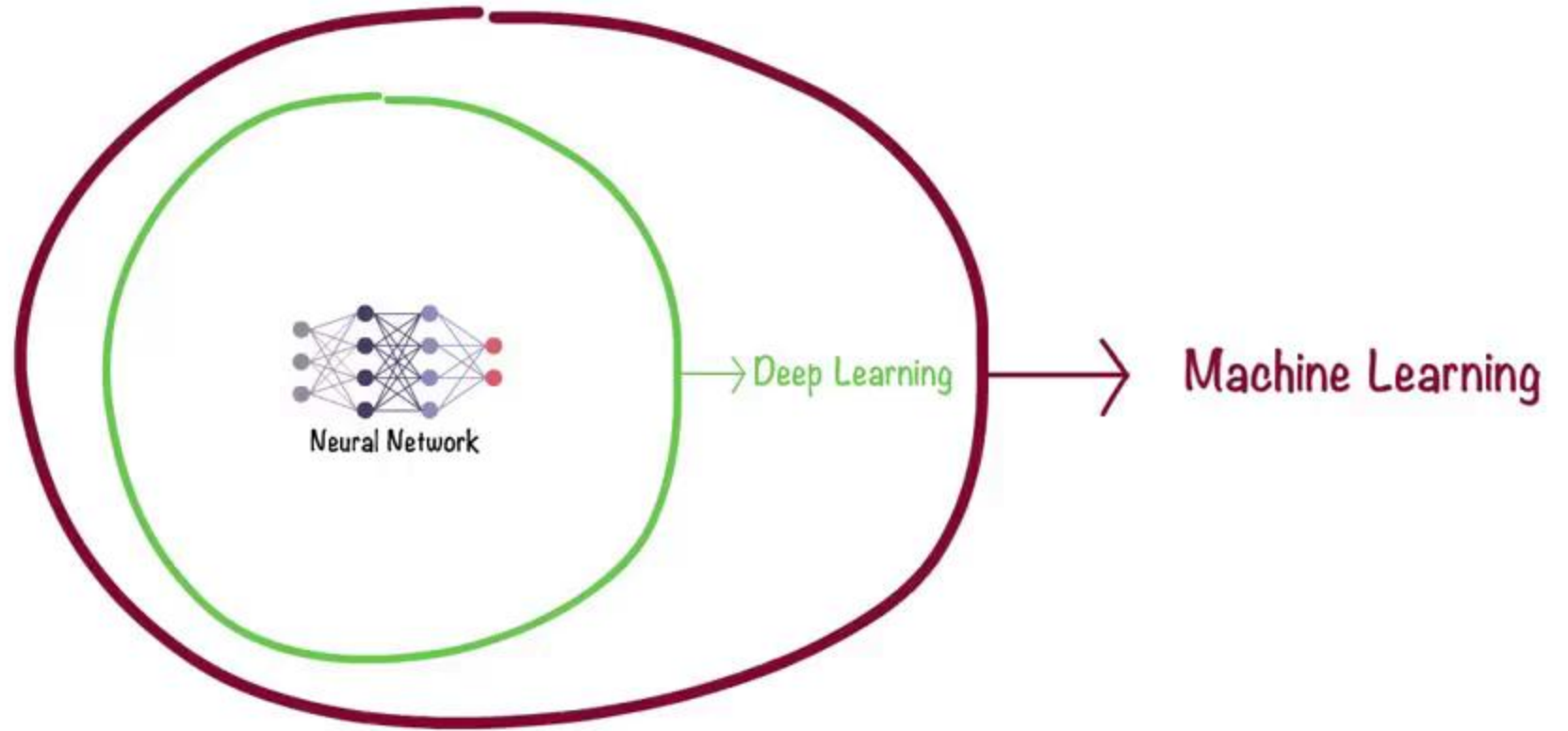


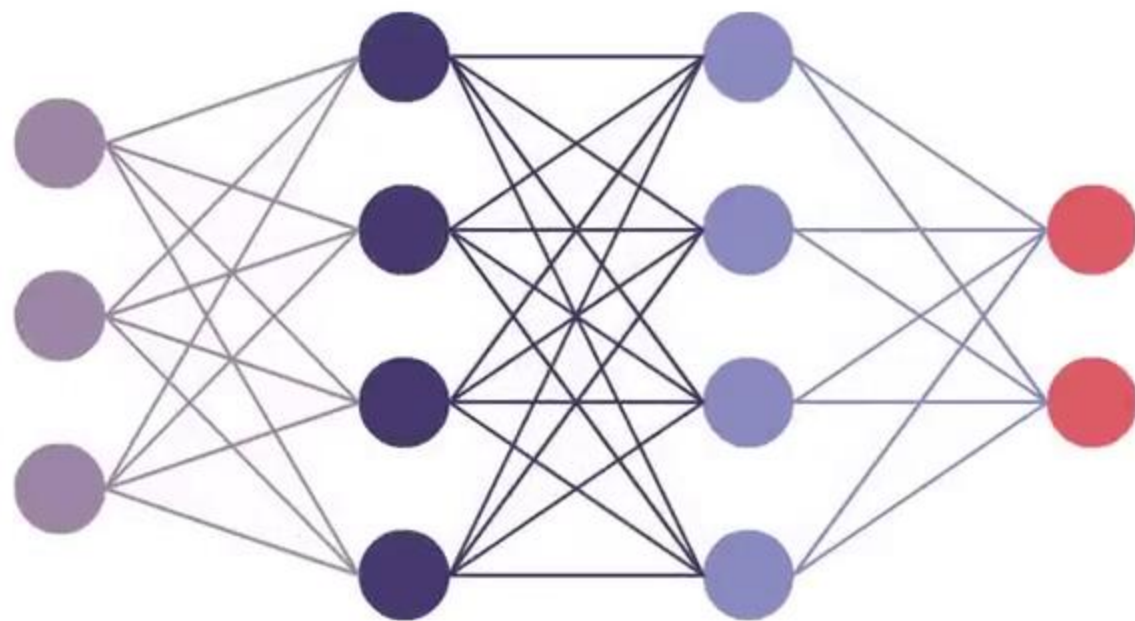


Neural Network

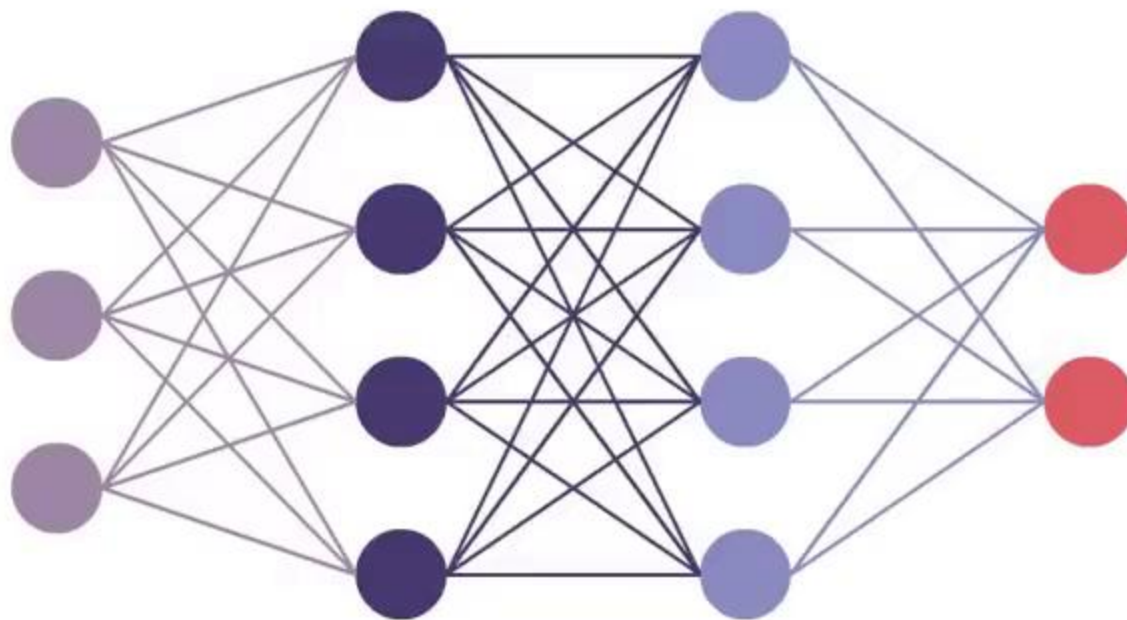
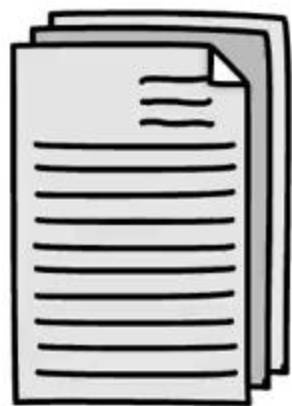
→ Deep Learning







Neural Network



Neural Network





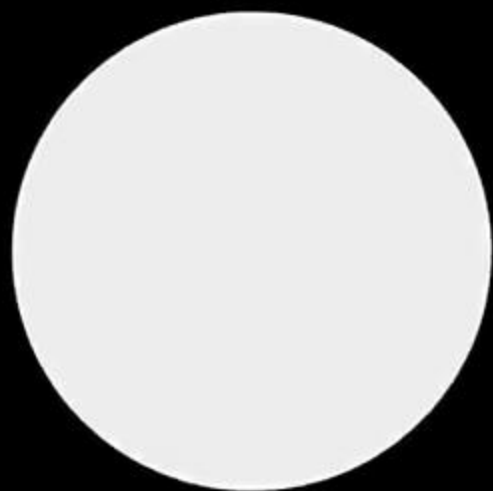


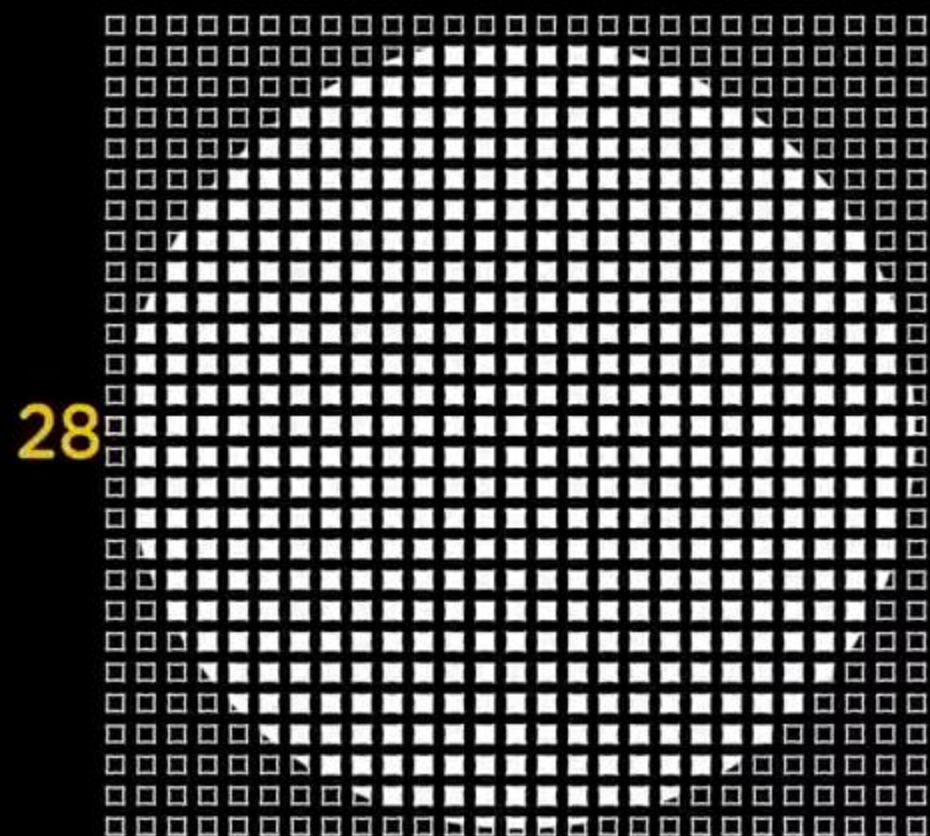
Neurons





Hidden Layers

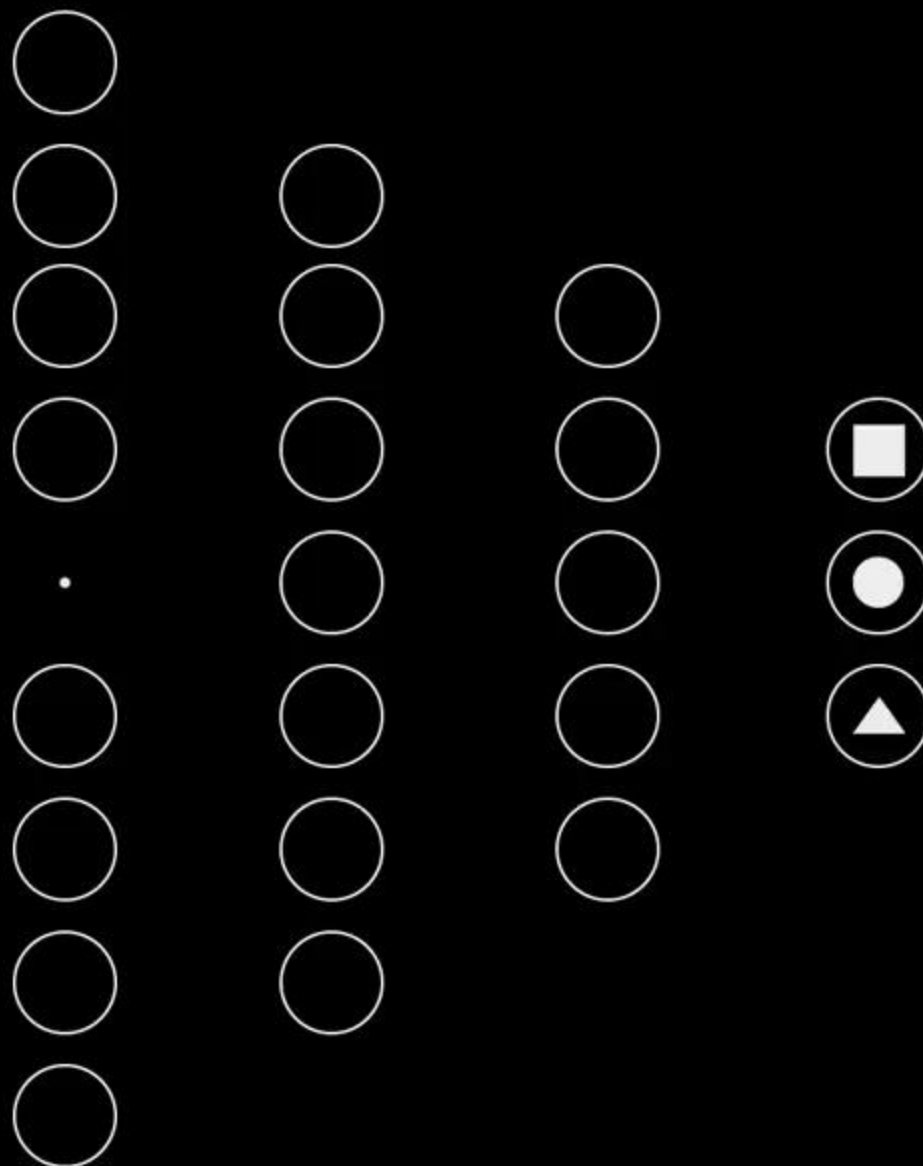




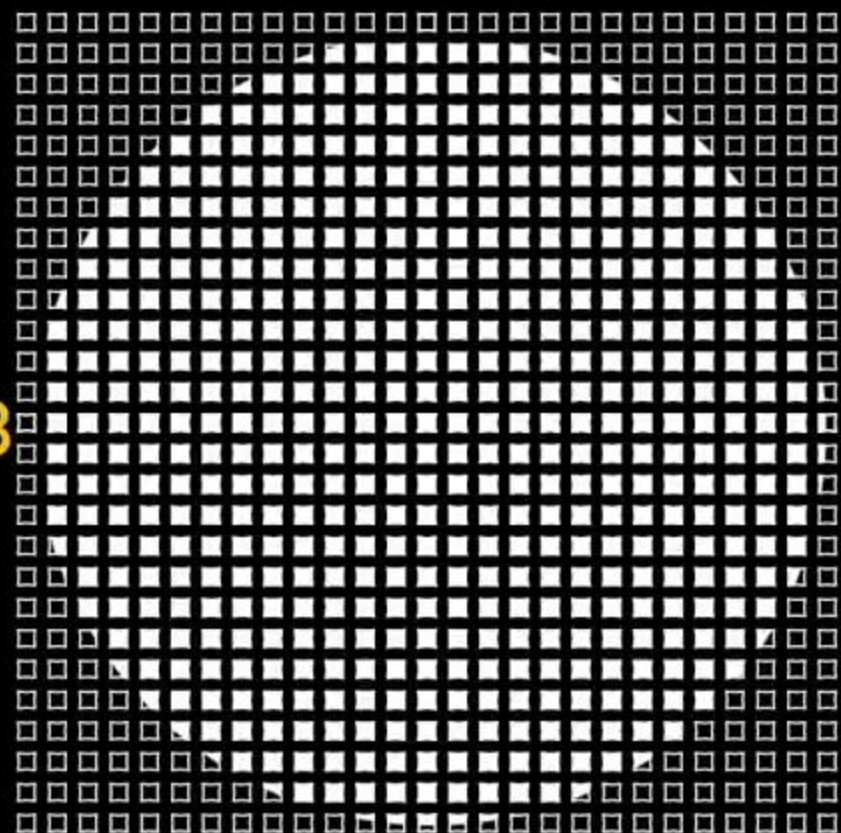
28

28

$28 \times 28 = 784$ Pixels

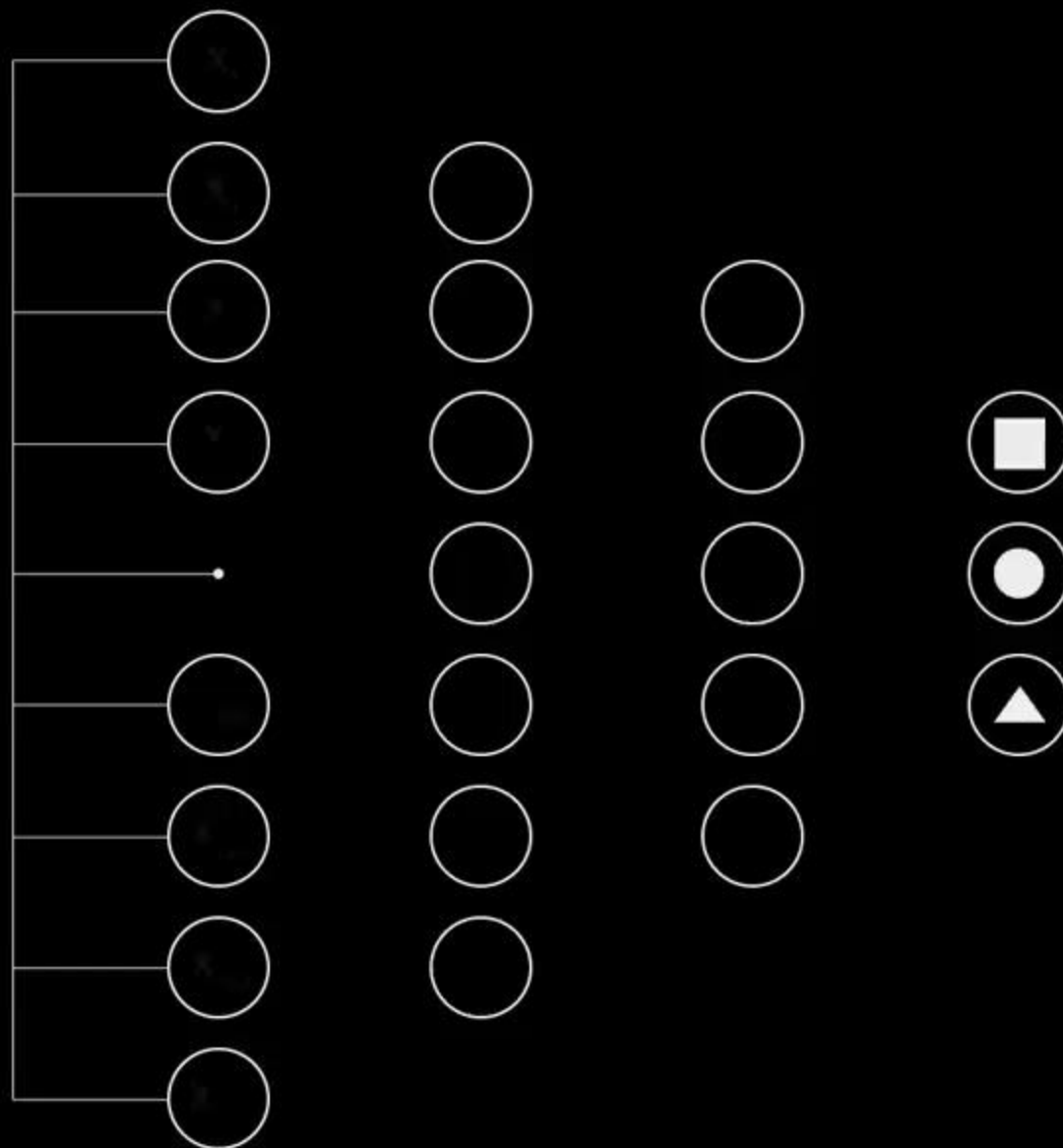


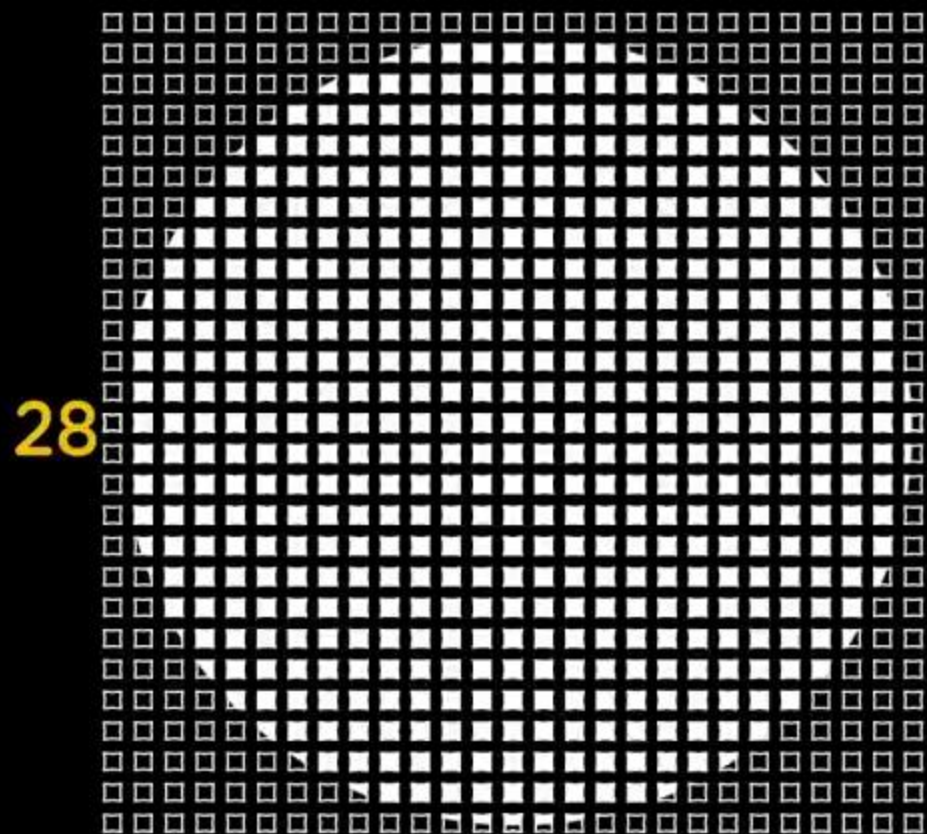
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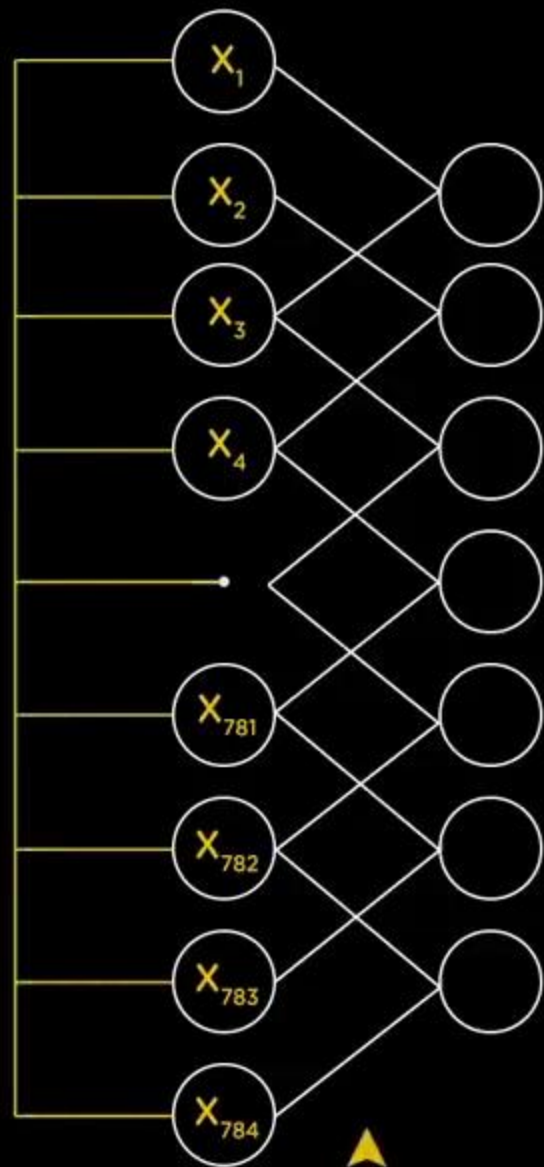
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$28 \times 28 = 784$ Pixels



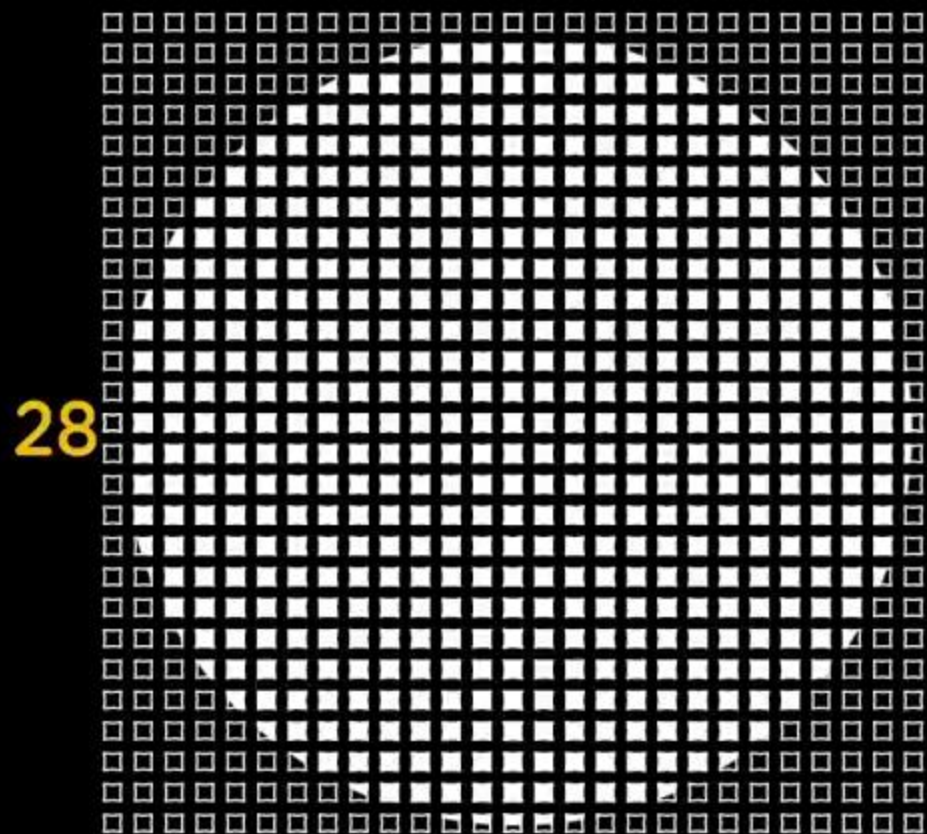


28
28 x 28 = 784 Pixels

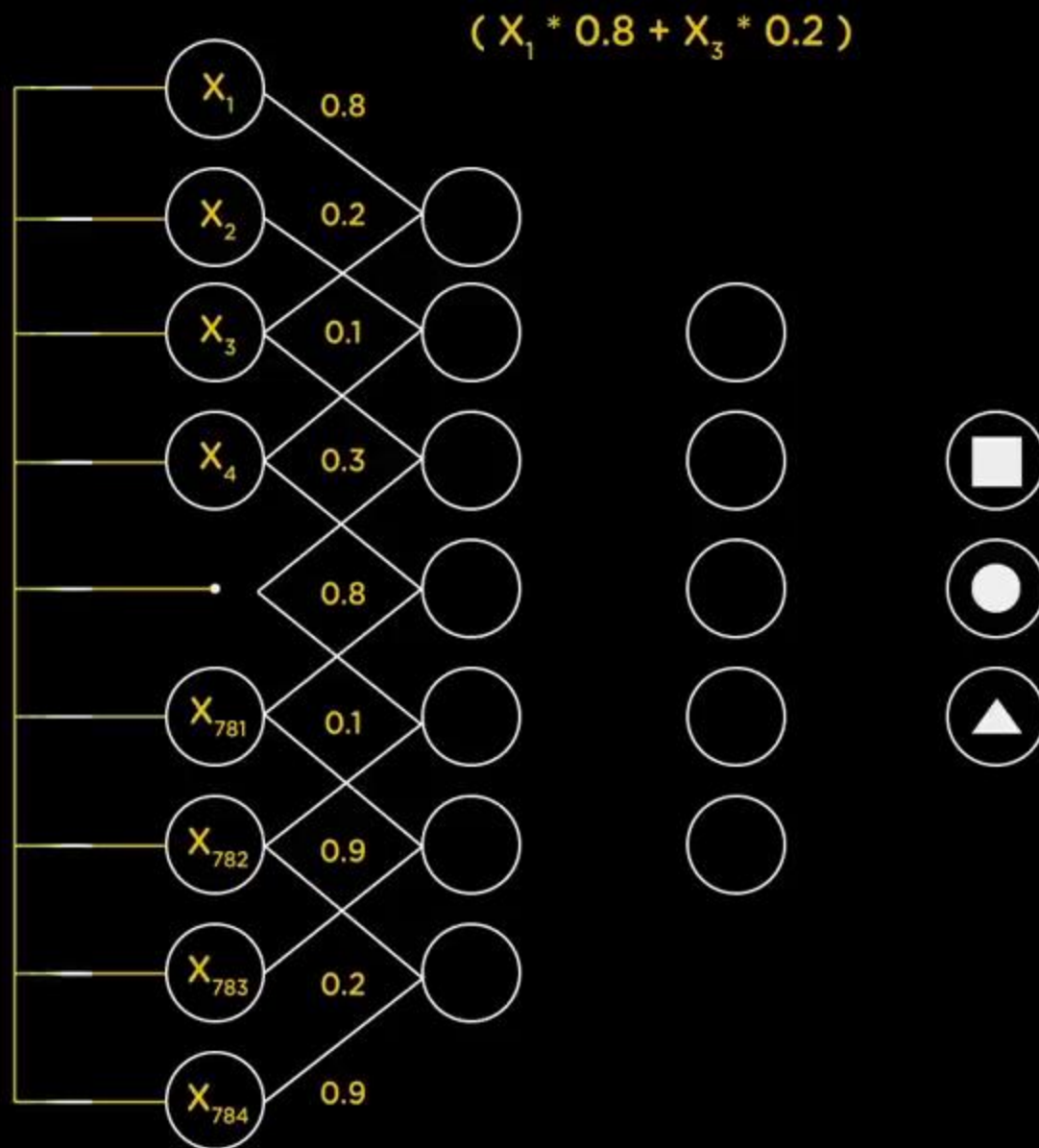


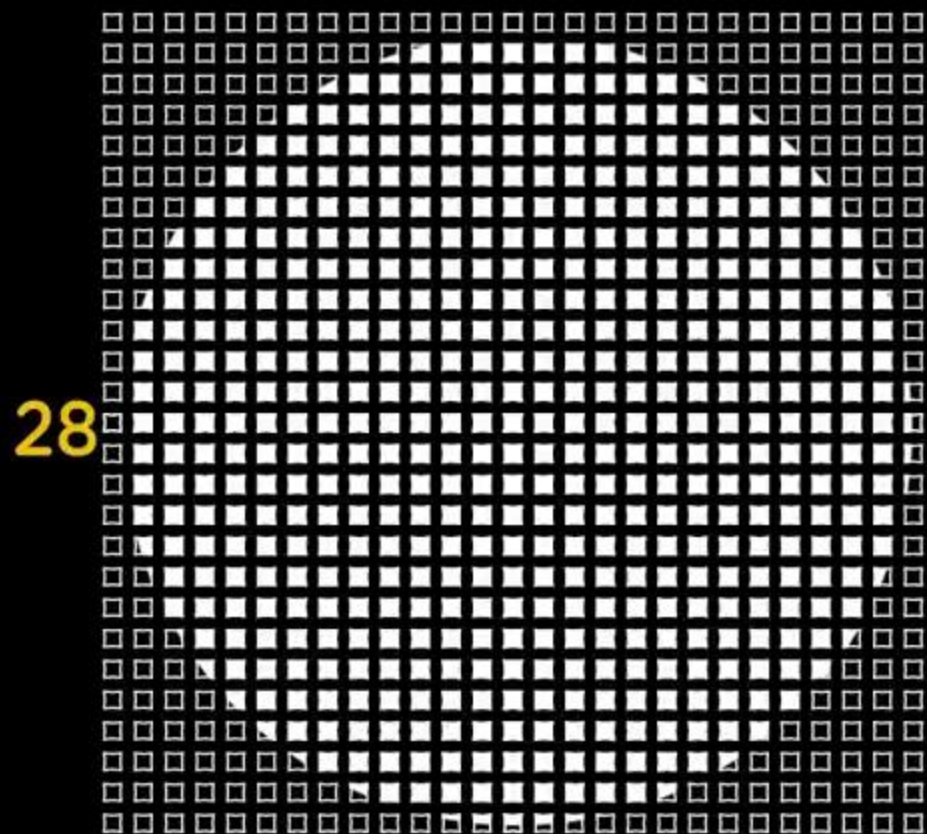
Channels



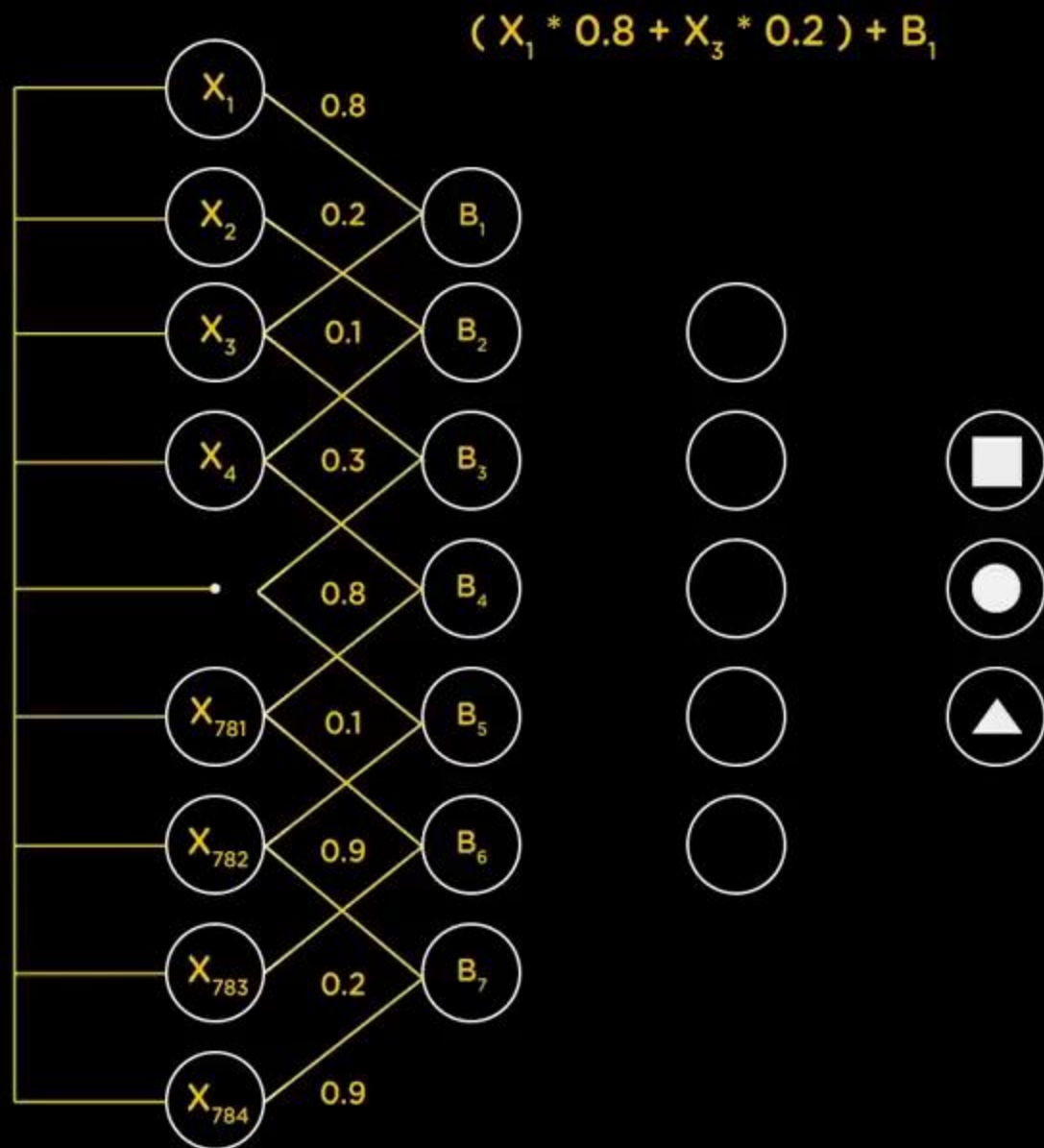


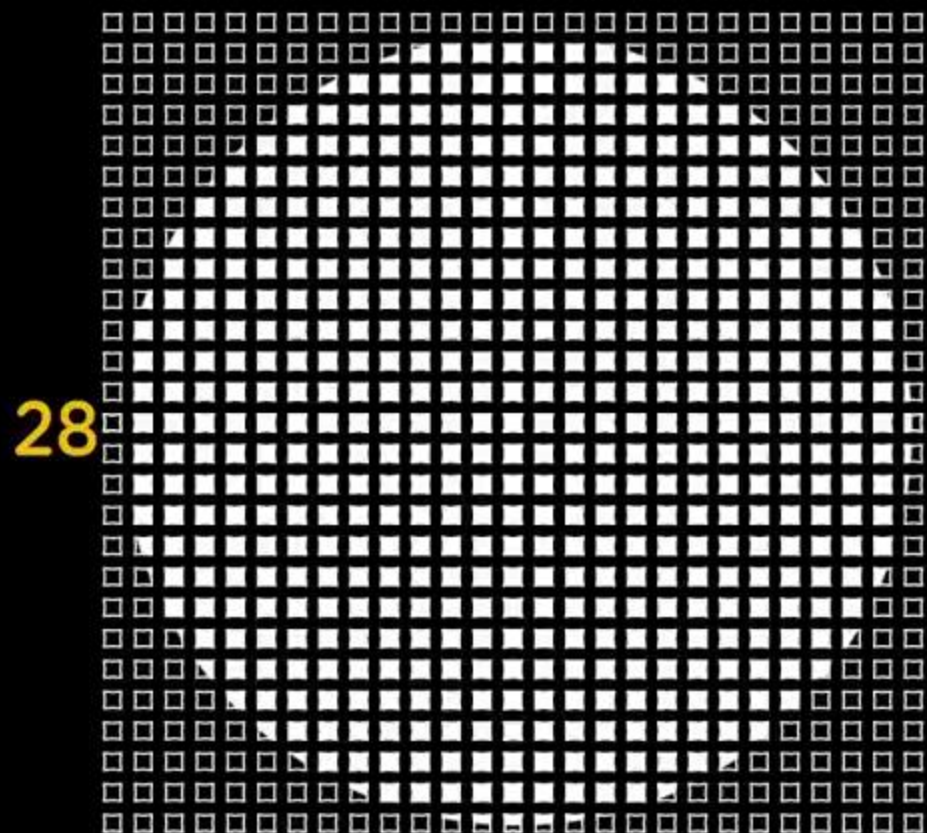
$28 \times 28 = 784$ Pixels



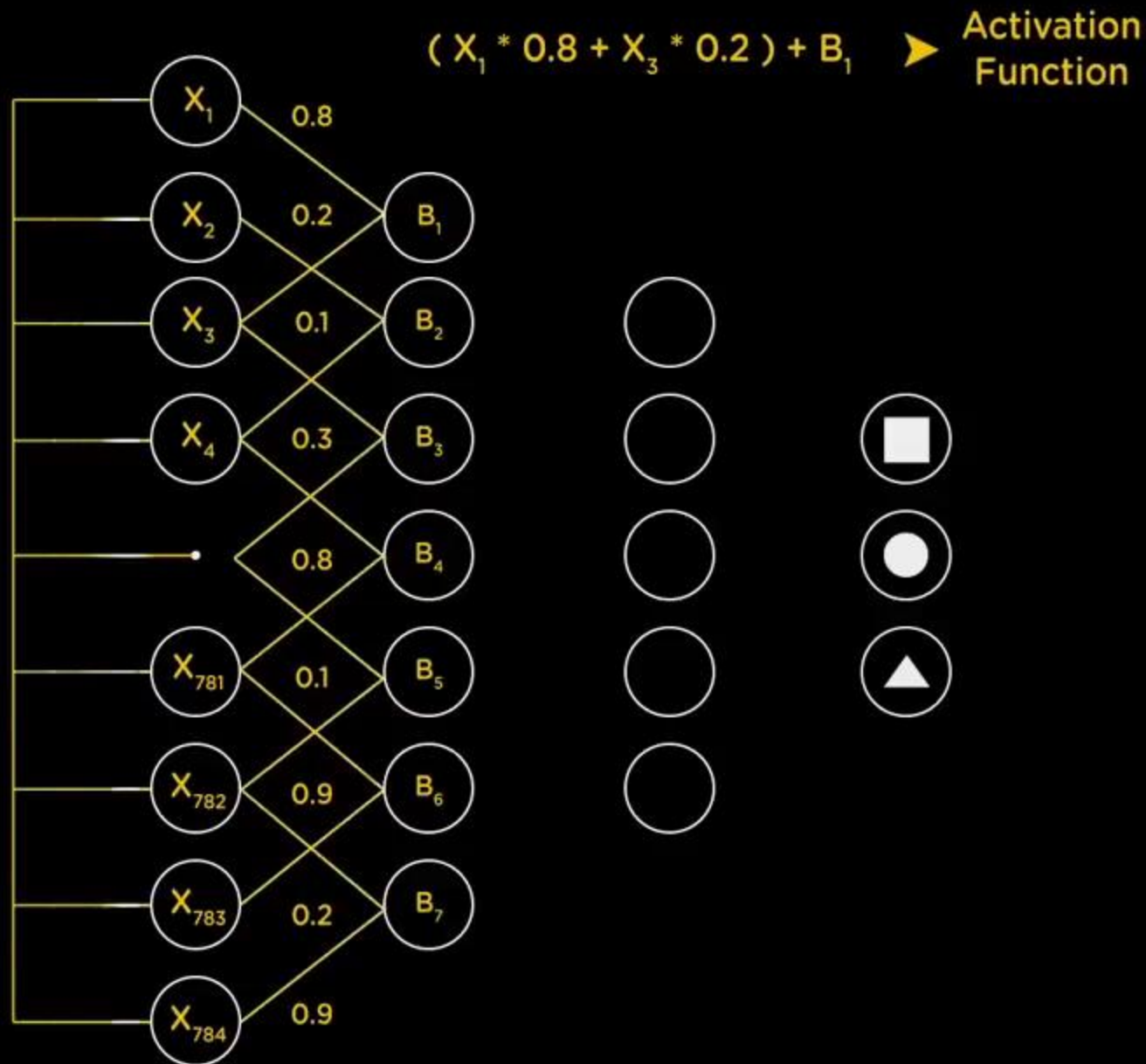


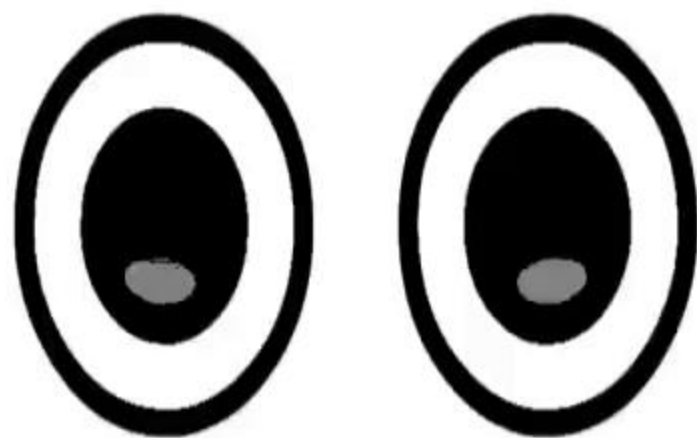
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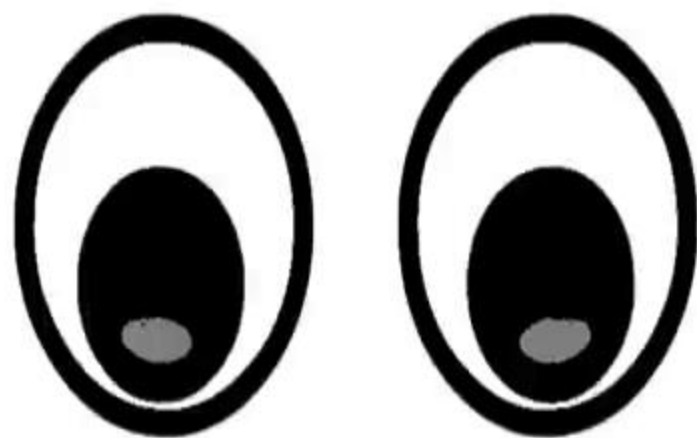


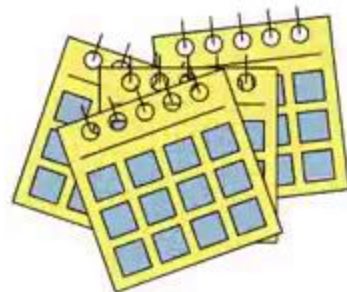
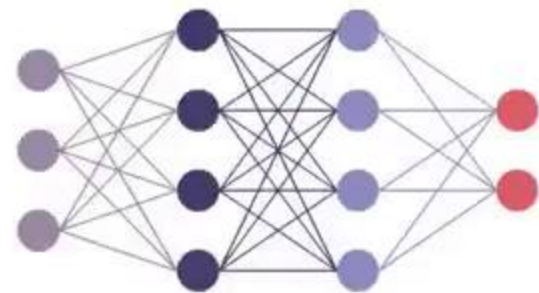
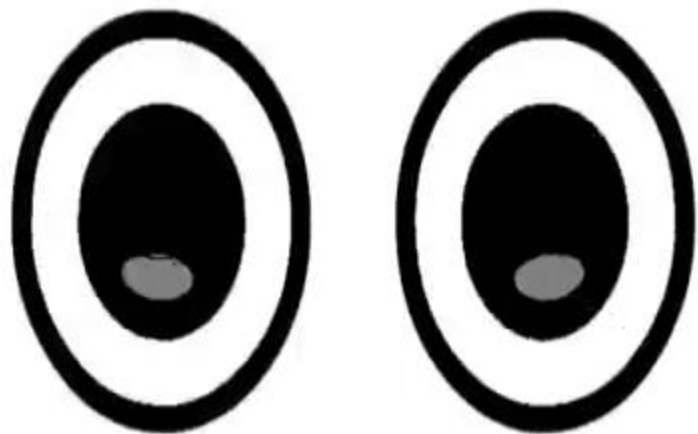


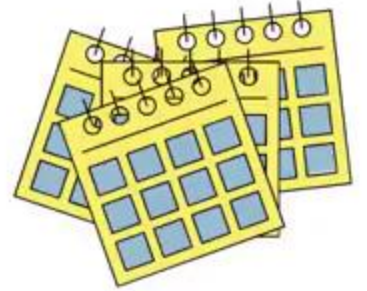
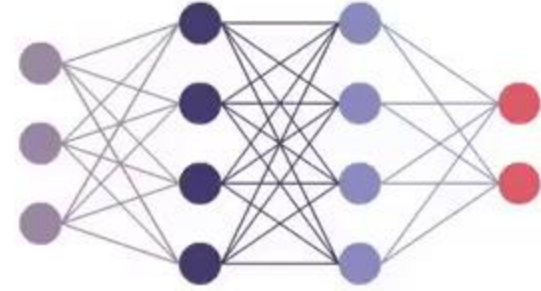
$28 \times 28 = 784$ Pixels











But, time is a reasonable trade-off
when compared to its scope

Let us look at some of the prime
applications of neural networks

Facial recognition

Facial recognition



Facial recognition

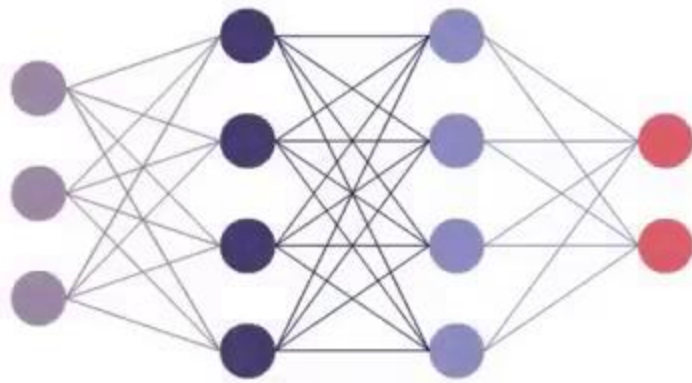


Facial recognition

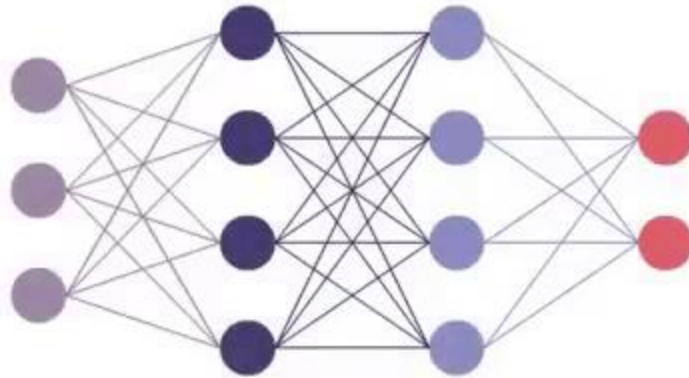
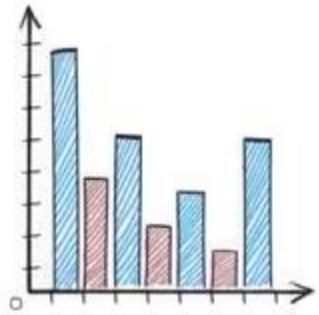


Forecasting

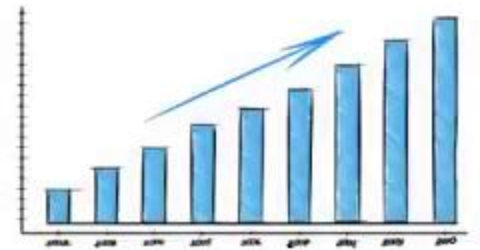
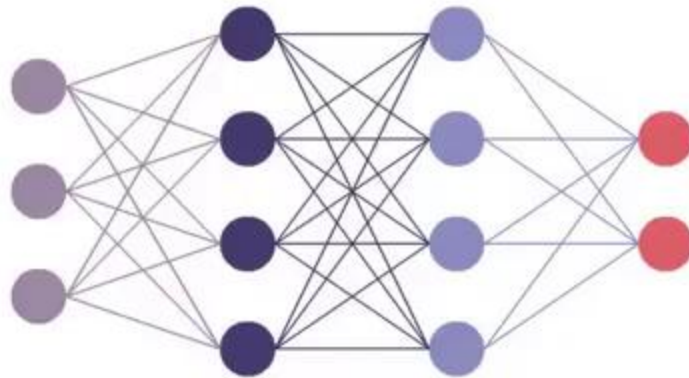
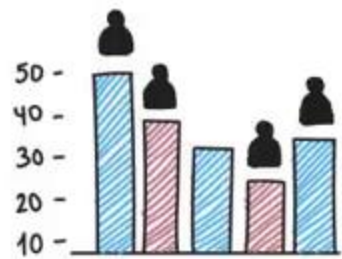
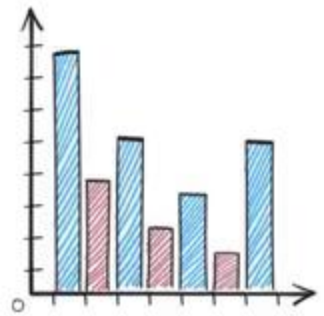
Forecasting



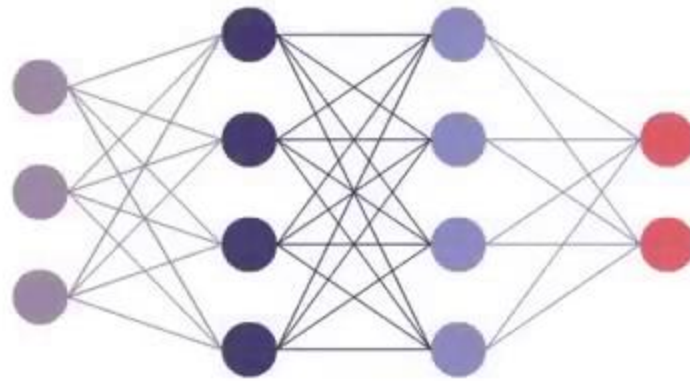
Forecasting



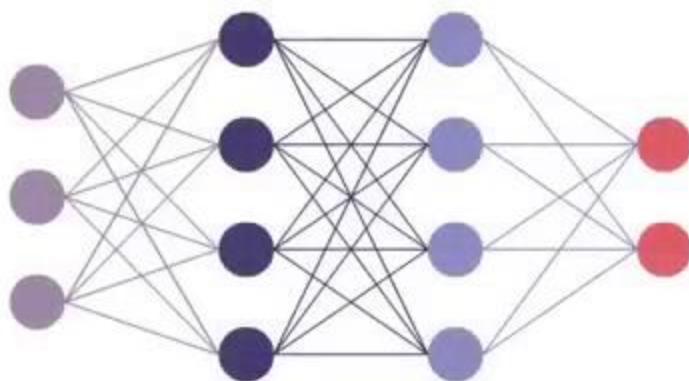
Forecasting



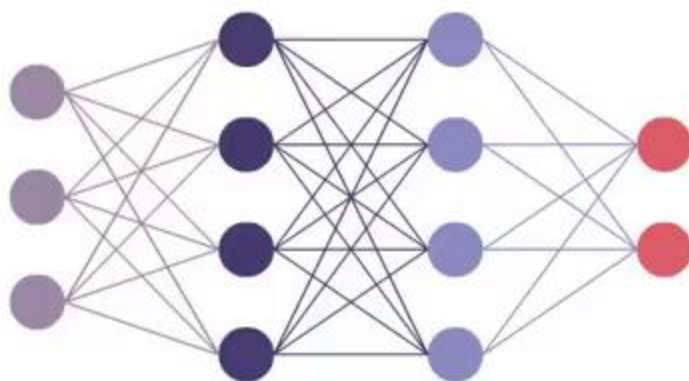
Music composition



Music composition



Music composition







Which of the following statements does not hold true?



Which of the following statements does not hold true?

A. Activation functions are threshold functions



Which of the following statements does not hold true?

- A. Activation functions are threshold functions
- B. Error is calculated at each layer of the neural network



Which of the following statements does not hold true?

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LEAVE YOUR ANSWERS IN THE COMMENT SECTION BELOW

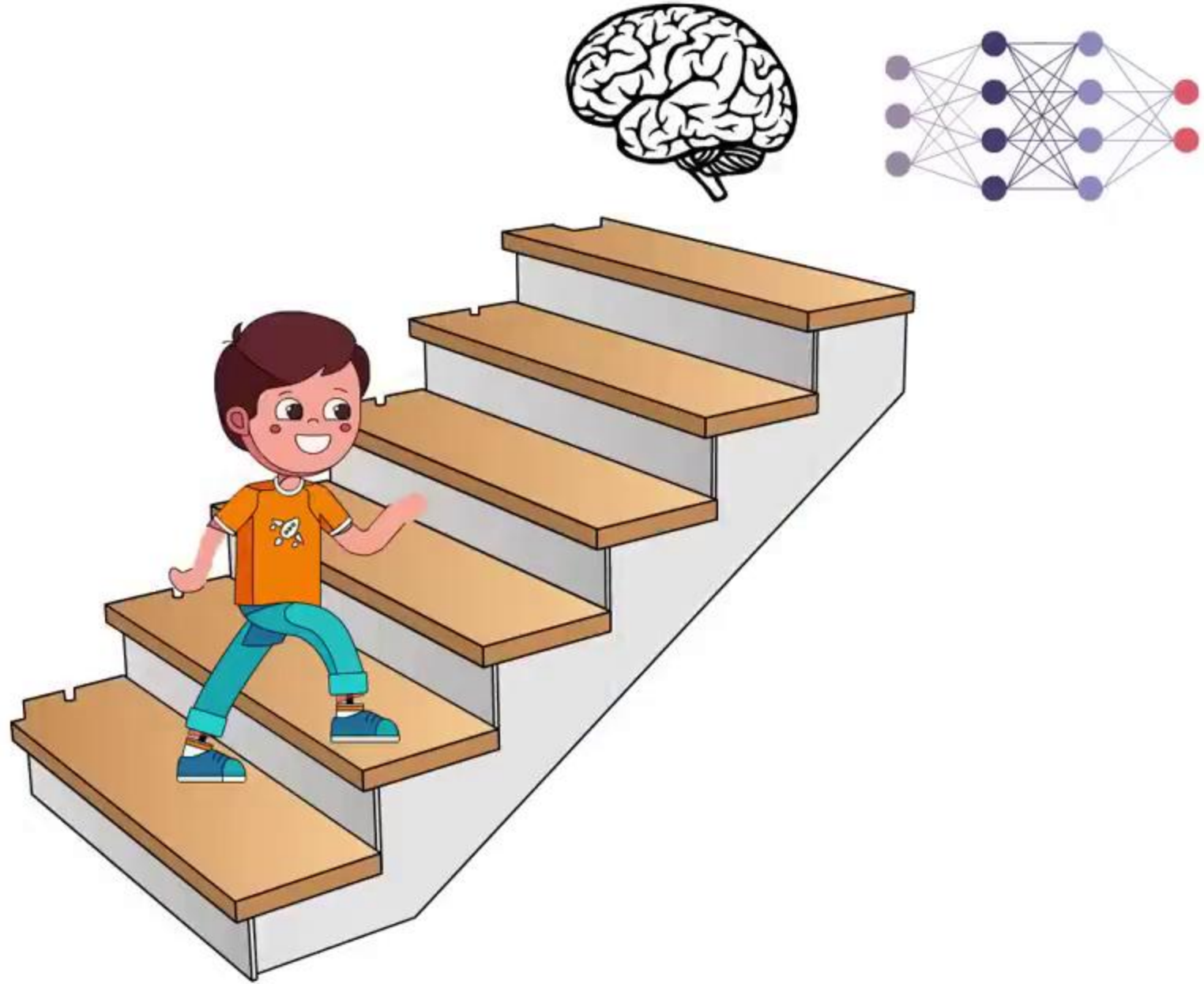


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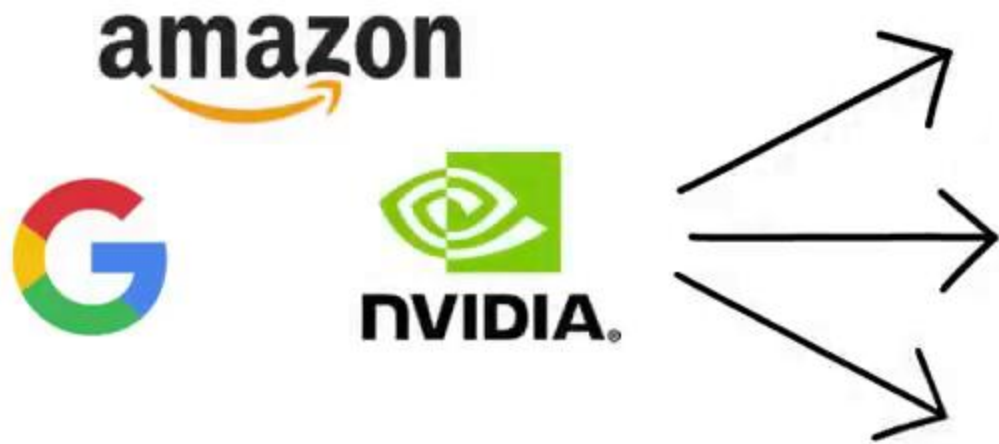


LEAVE YOUR ANSWERS IN THE COMMENT SECTION BELOW

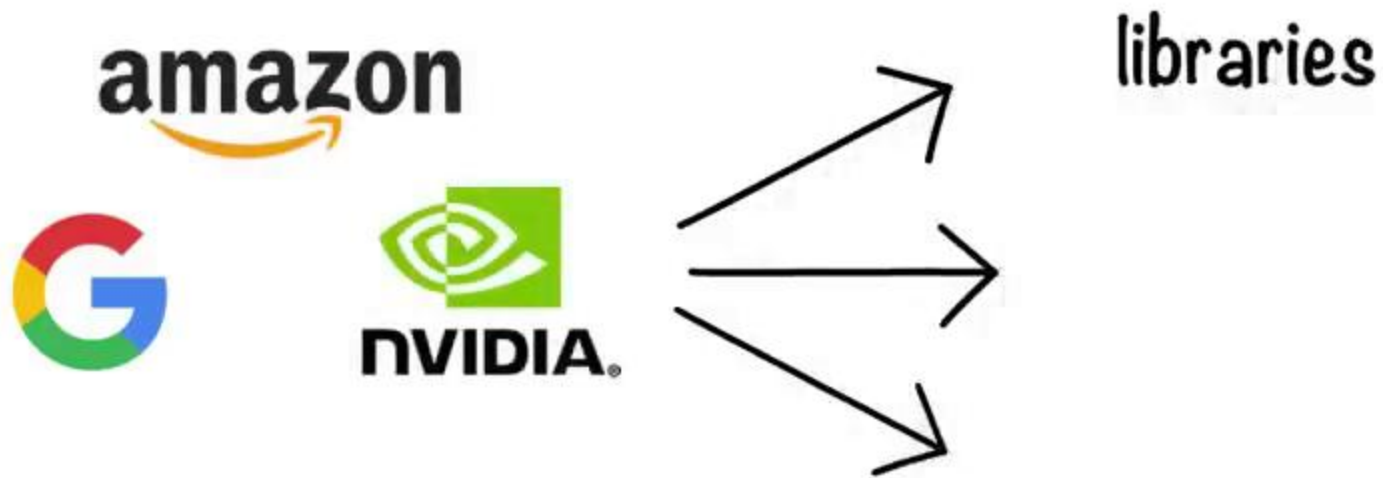


The growth in this field has been foreseen by the big names

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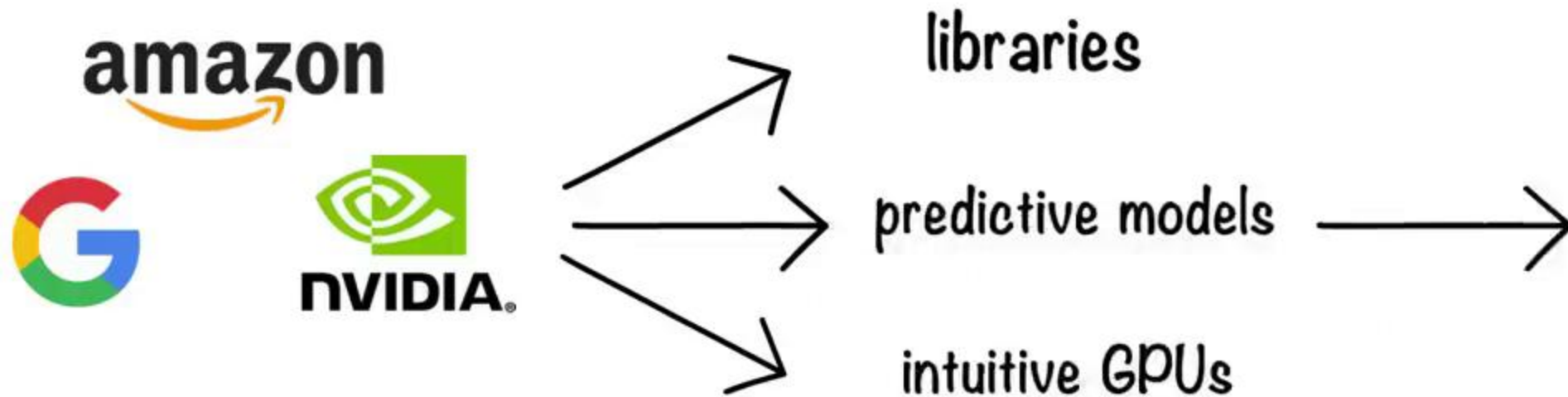
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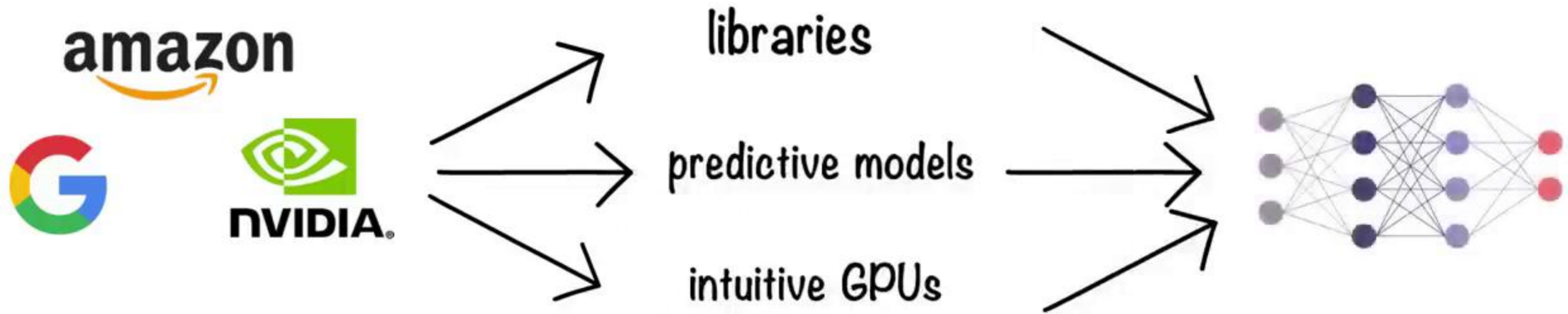
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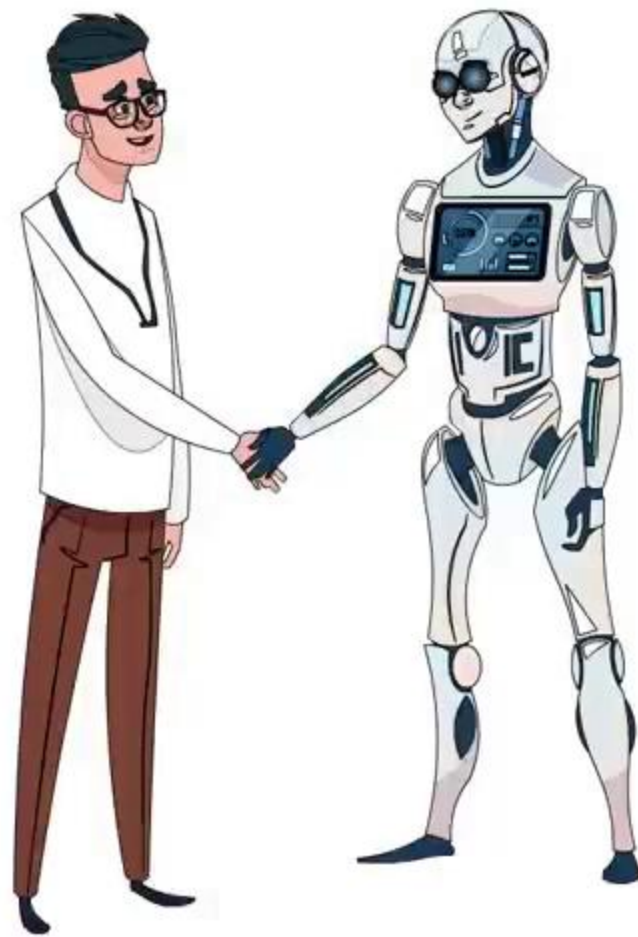


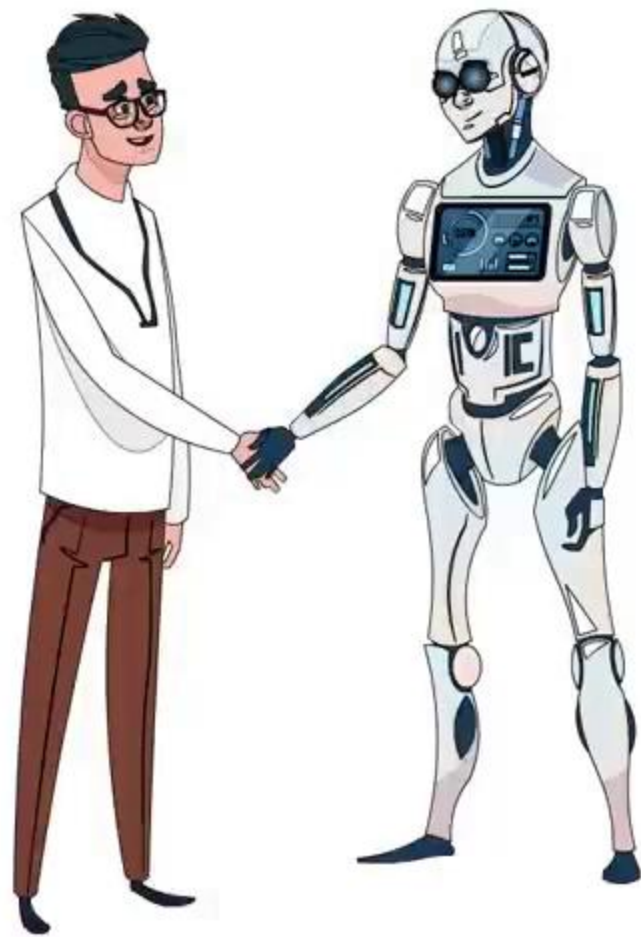












We'd have to wait a few more years
to give a definite answer





