

Actor-Critic

Actor-Critic

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Actor-Critic

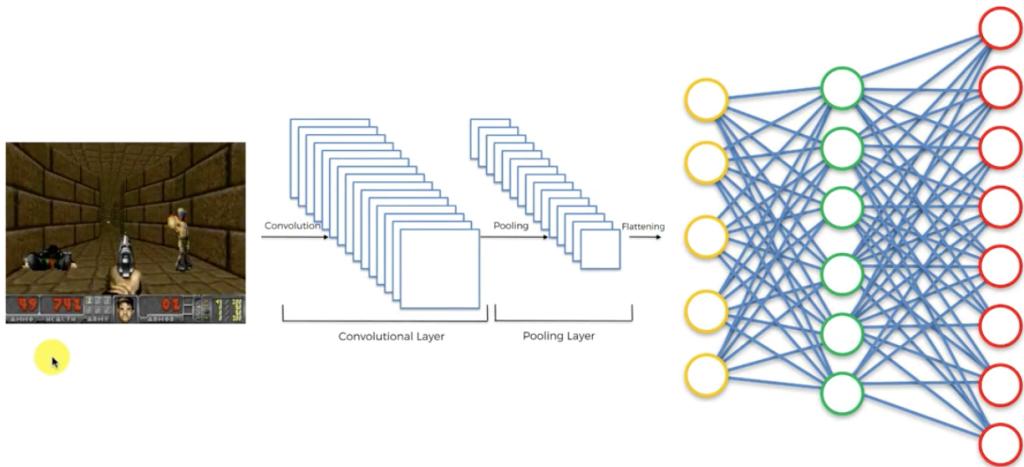
Asynchronous Advantage Actor-Critic

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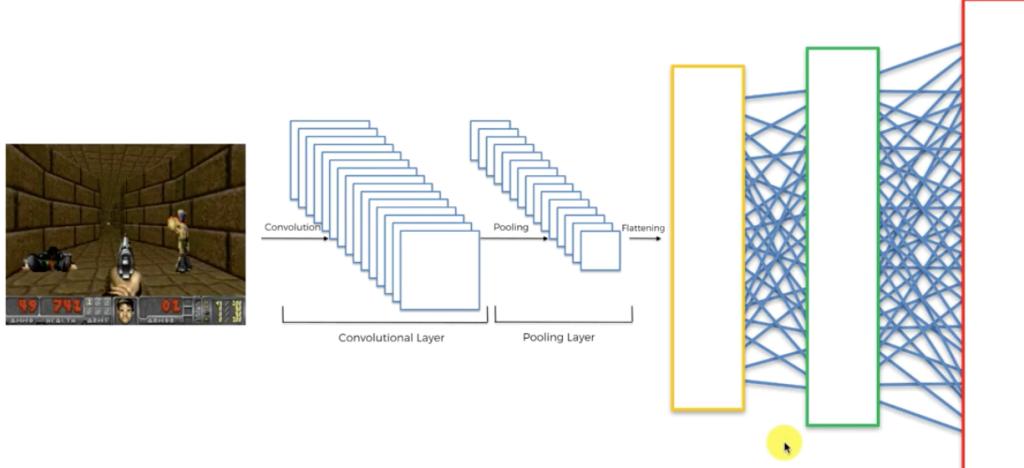


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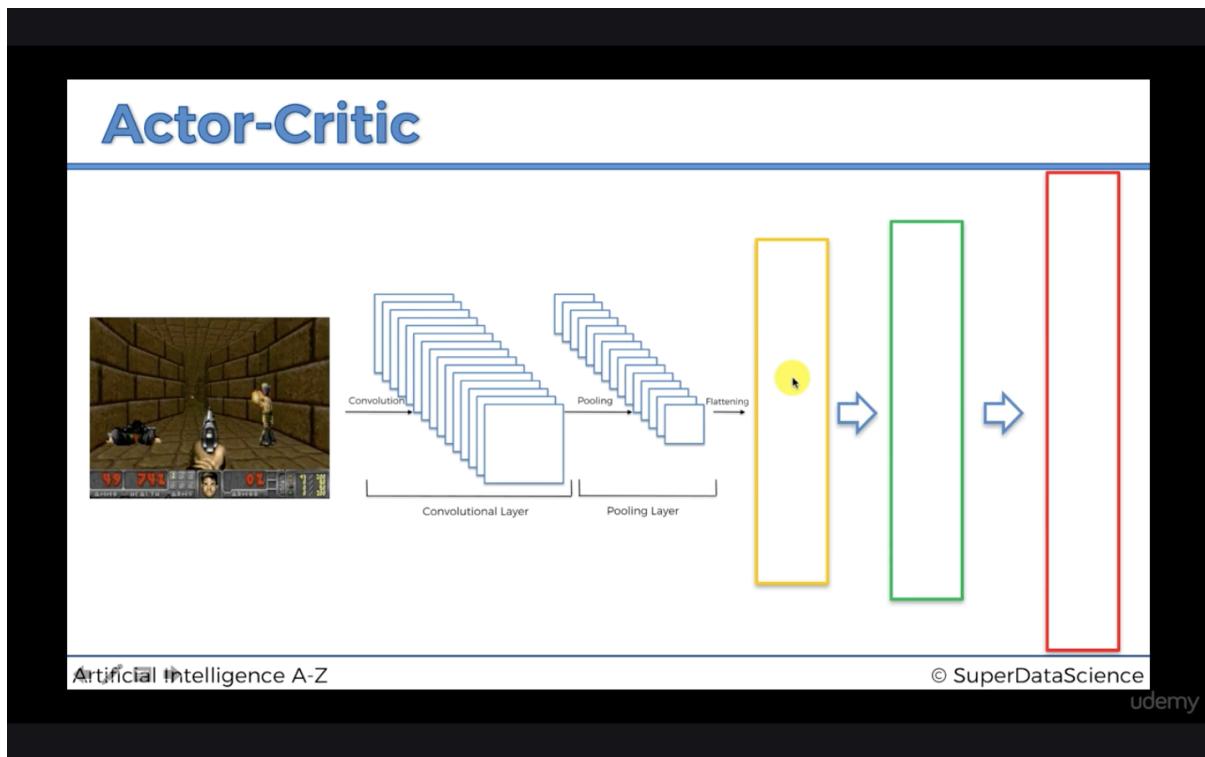


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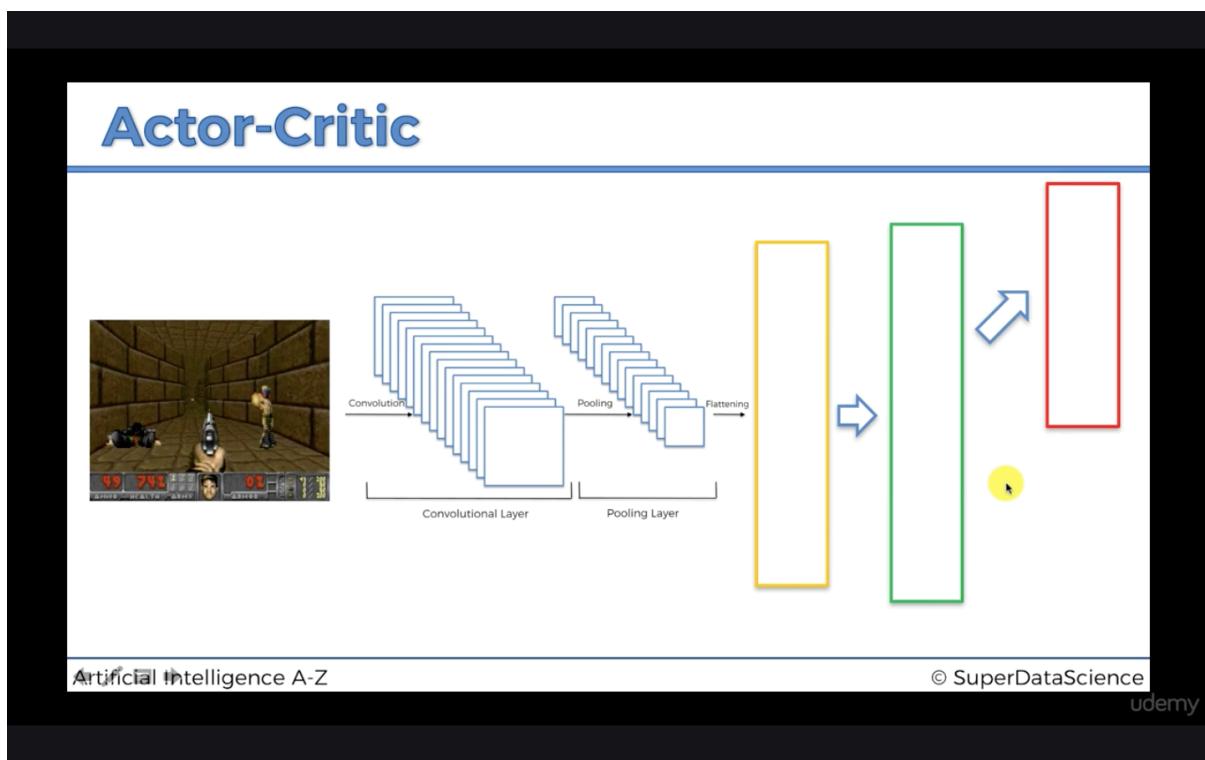
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For simplicity we are replacing the circles with square.

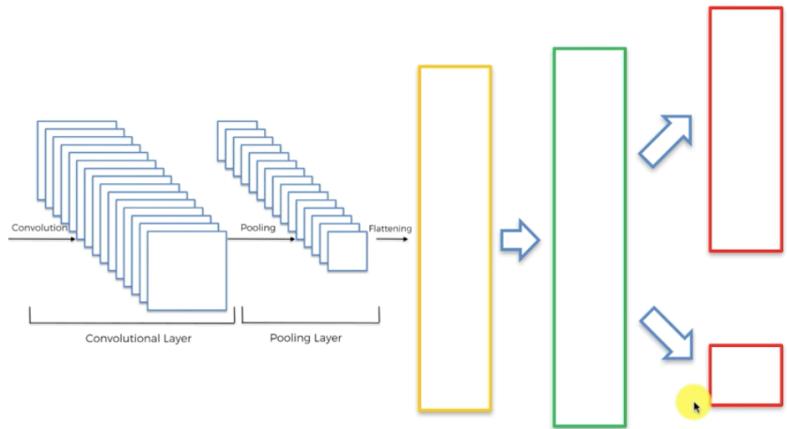


And also we will get rid of the lines.



In here we are going to have 2 sets of values for our output. The top rectangle is the possible actions and the bottom rectangle is the extra values.

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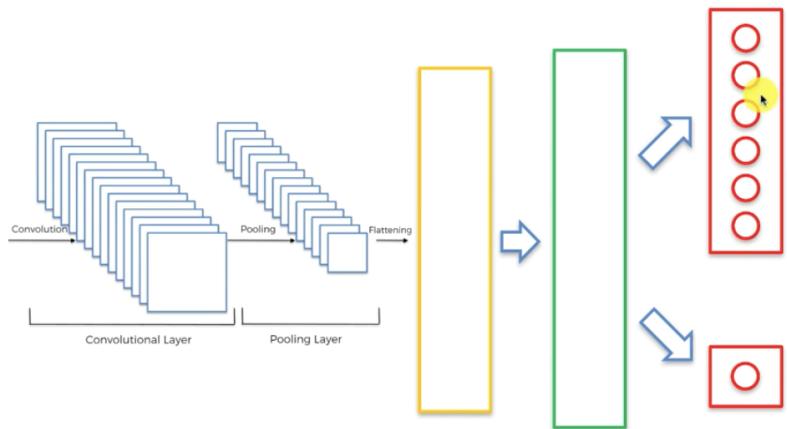


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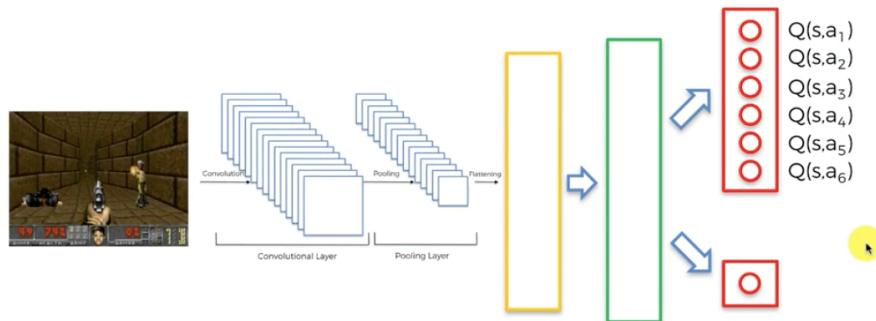


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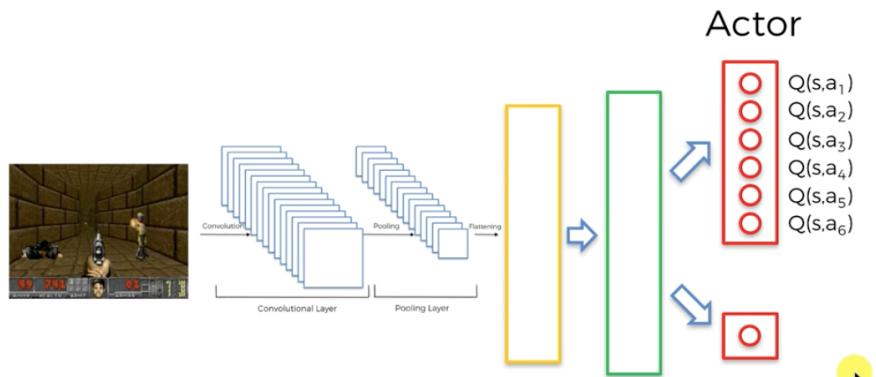
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Top output is the Q-values and called actor.

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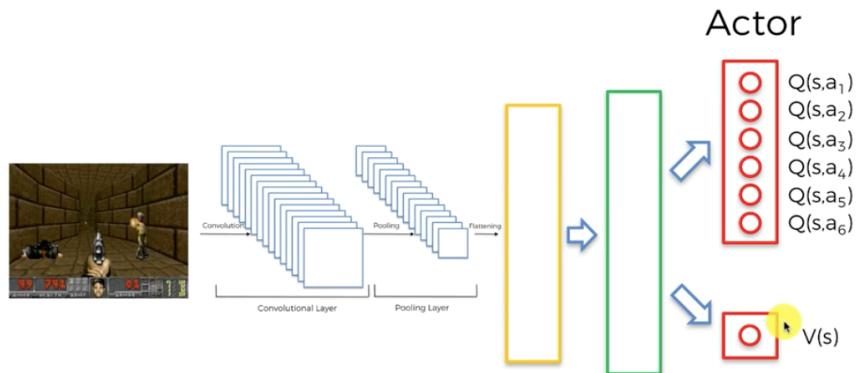


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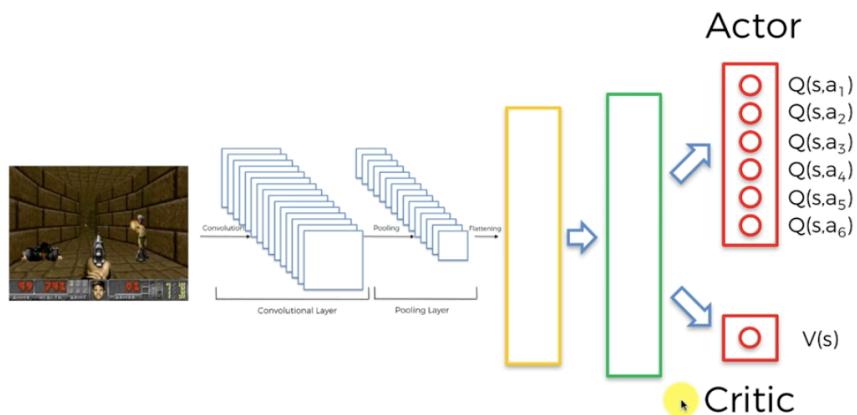
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V of s is the value of the state.

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In above we have Q-values for the different actions and in below we use neural network to predict what is the value of the state we are in and it's called critic.

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