Graphical user interface, text, application

Description automatically generated

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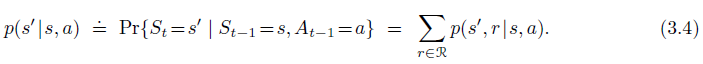
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Since the condition works for policy iteration according to the policy change to get an optimal one, but more to concern about is the iteration times or the value iteration result. Once we got an optimal value, that should be okay to stop our loop as a policy stable.

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Value iteration does not have analogous bug. The value iteration is stable or not is not depends on the policy function but the value function. The policy is optimal as long as the result is optimal. Therefore, such bug does not exist.

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Diagram

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We wish to arrive at state z as soon as possible as a result. The only action that reaches state z is through action b succeeds with low probability, so the agent should minimize the in the process. This suggests that the agent should try action b in state x and try action a to get to state x rather than directly to state in state y.

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Graphical user interface, text

Description automatically generated

A picture containing text, keyboard, electronics

Description automatically generated

A picture containing text

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Text

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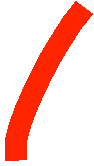
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Text

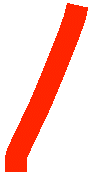
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A screen shot of a computer

Description automatically generated with low confidence

Text

Description automatically generated



Diagram, schematic

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Text

Description automatically generated



Text

Description automatically generated

Text, letter

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Text, letter

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