

COMP
110

While Loops

First, Review

Conditionals:

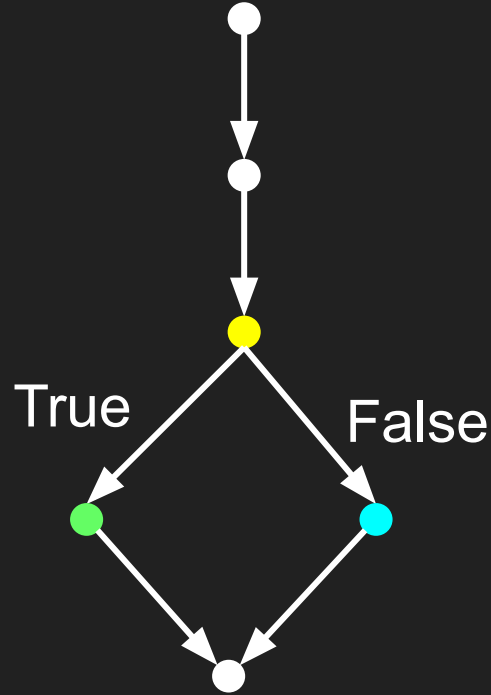
if <something>:

<do something>

else:

<do something else>

<continue program>



First, Review

Conditionals:

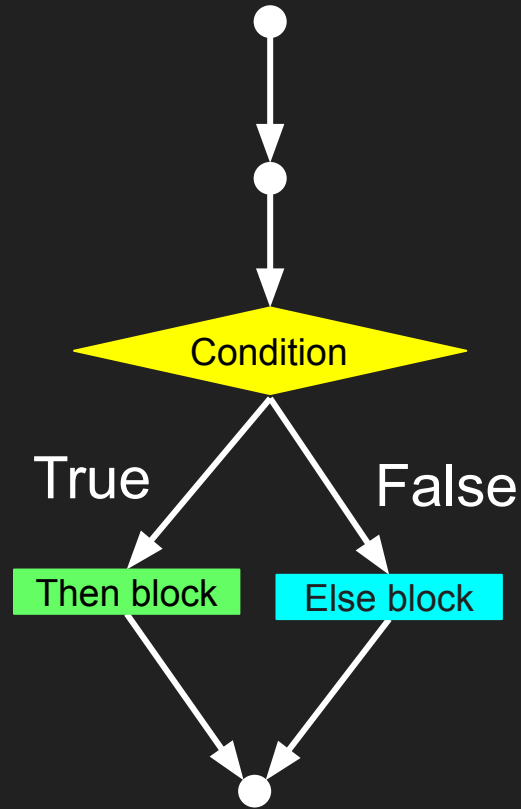
if <something>:

<do something>

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<continue program>



First, Review

Conditionals:

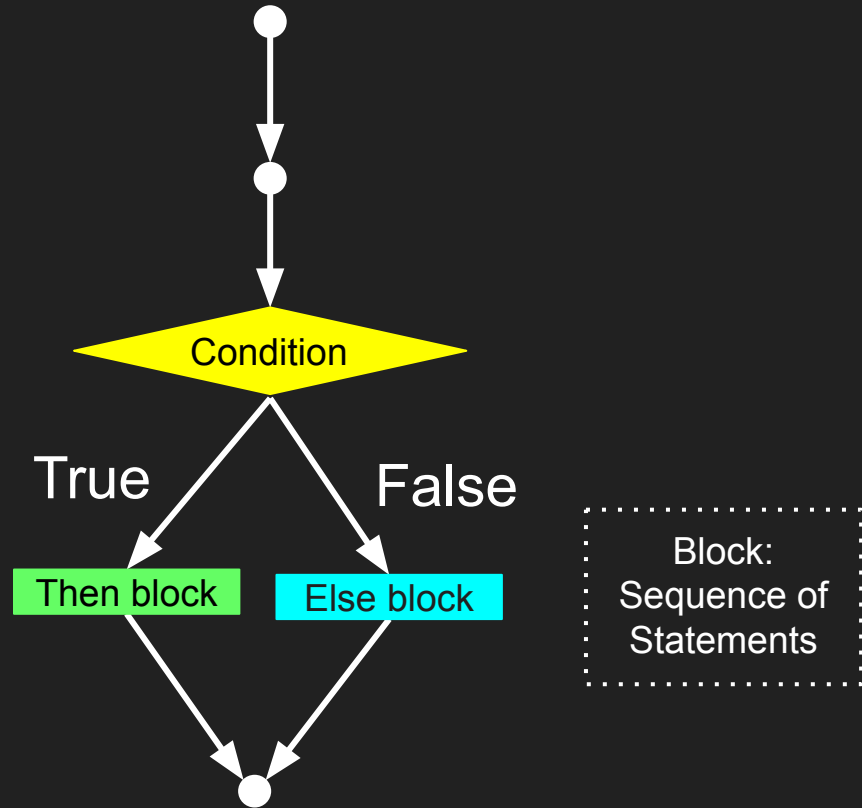
if <something>:

<do something>

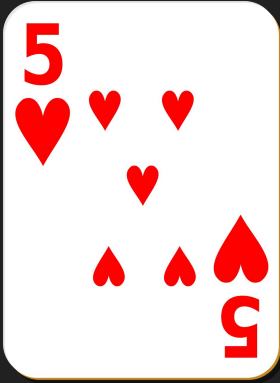
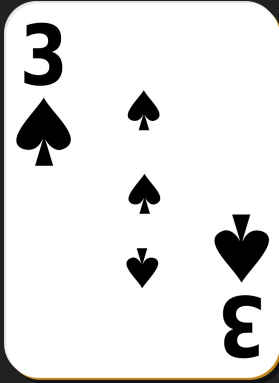
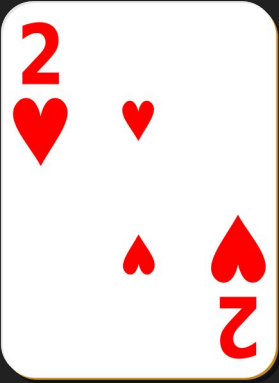
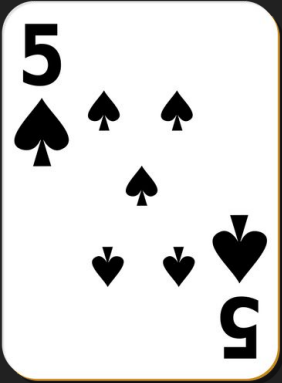
else:

<do something else>

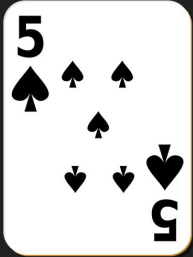
<continue program>



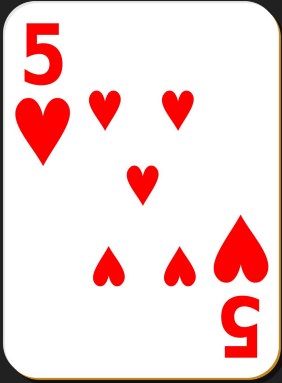
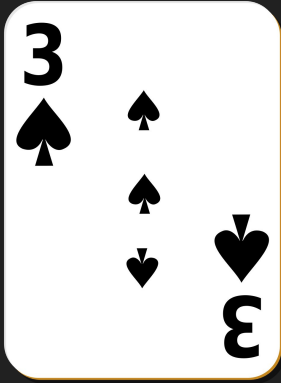
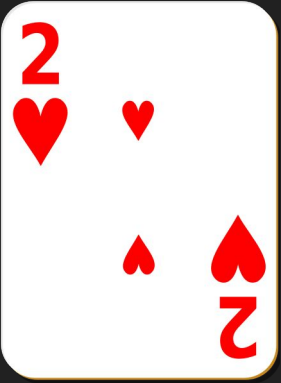
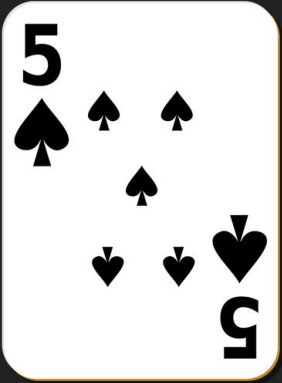
Finding the Lowest Card



Low card:



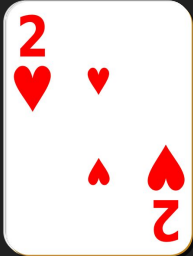
Finding the Lowest Card



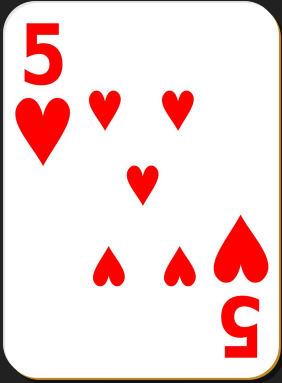
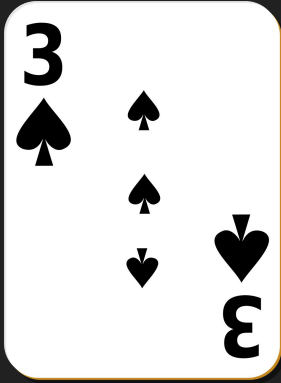
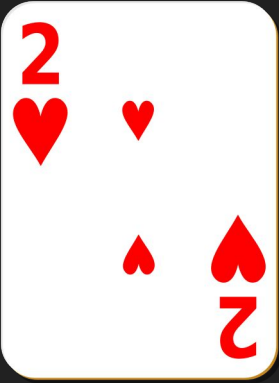
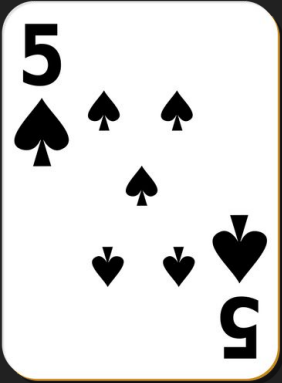
2 < 5?



Low card:

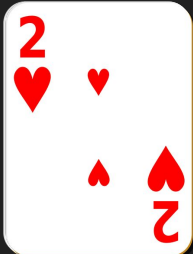


Finding the Lowest Card

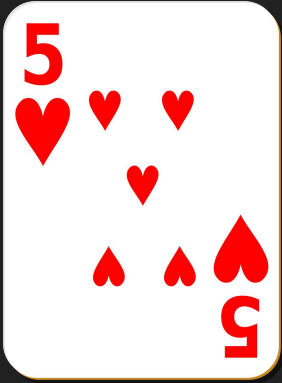
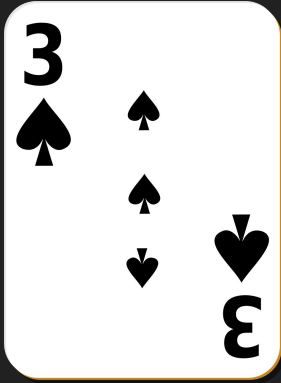
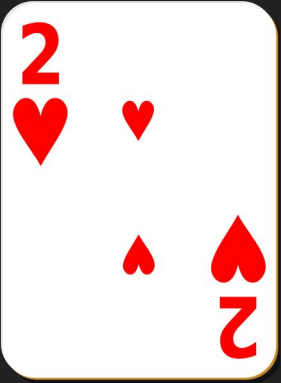
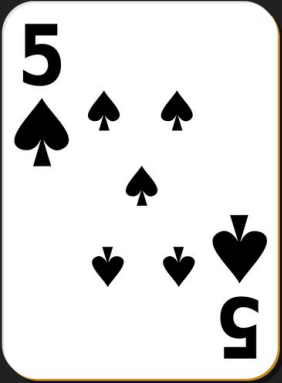


3 < 2? 

Low card:

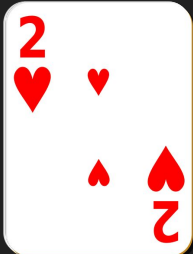


Finding the Lowest Card



5 < 2? 

Low card:



Finding the Lowest Card

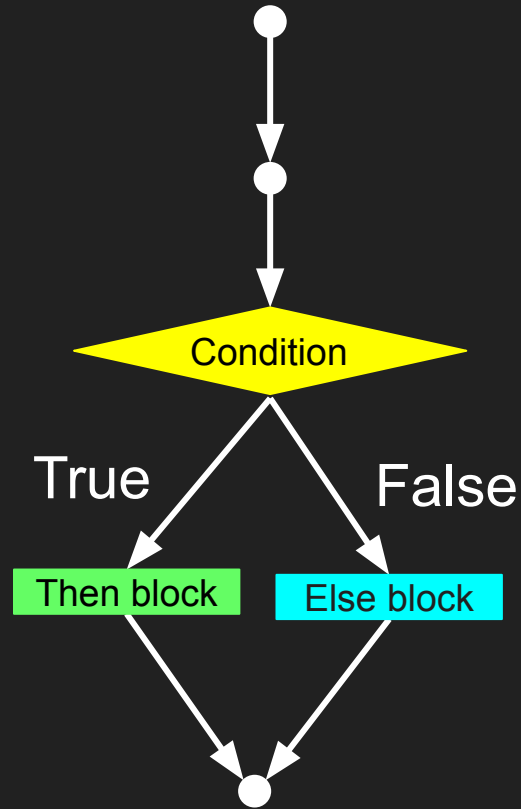
Finding the low card pseudocode:

1 lowest_card = first card in deck

2 Repeatedly until end of deck:

3 if current_card < lowest_card:

4 lowest_card = current_card



Finding the Lowest Card

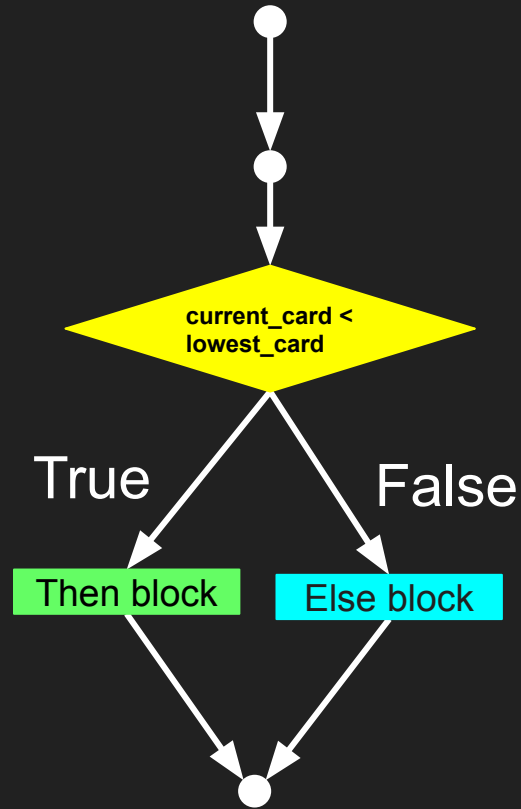
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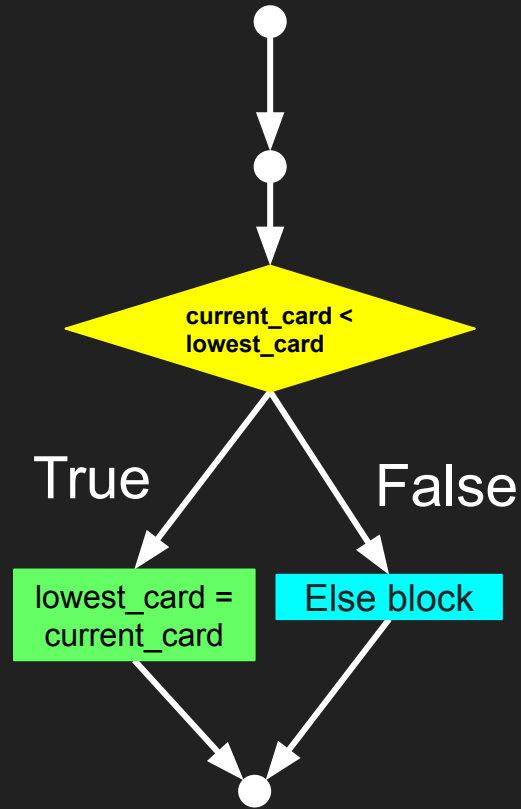
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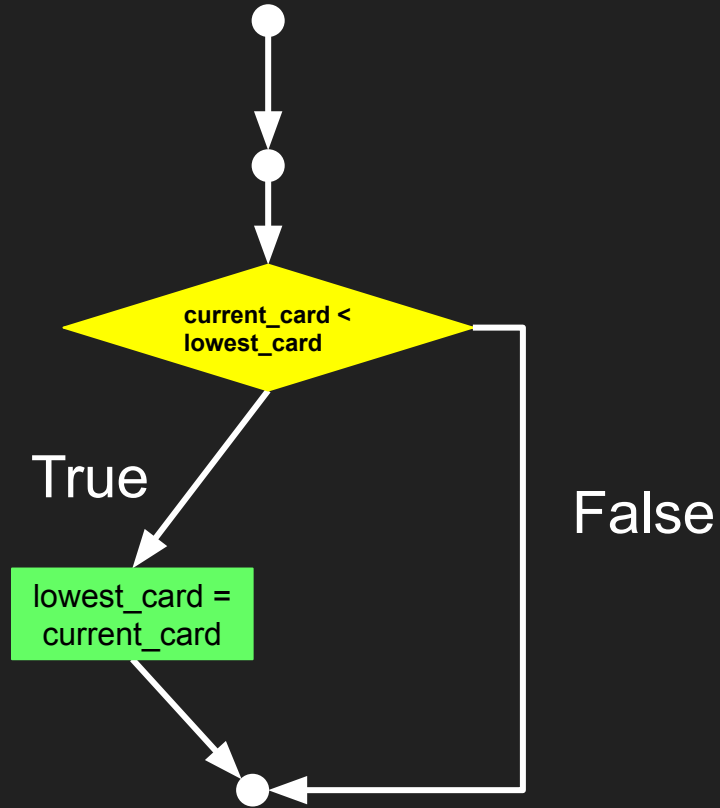
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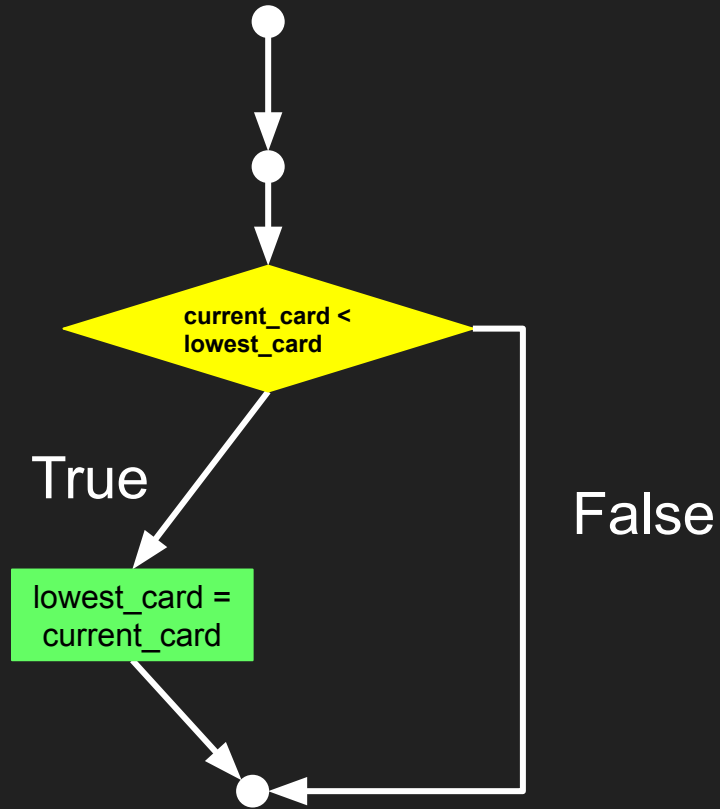
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Loops

- Used to carry out statements in a program repeatedly an arbitrary number of times.

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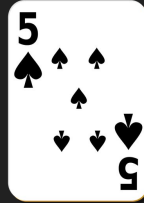
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2 Repeatedly until end of deck:

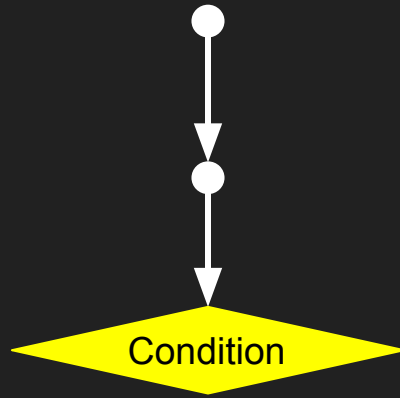
3 if current_card < lowest_card:

4 lowest_card = current_card

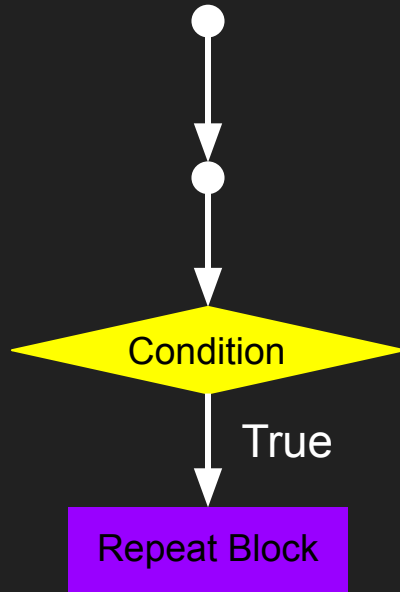
Loop



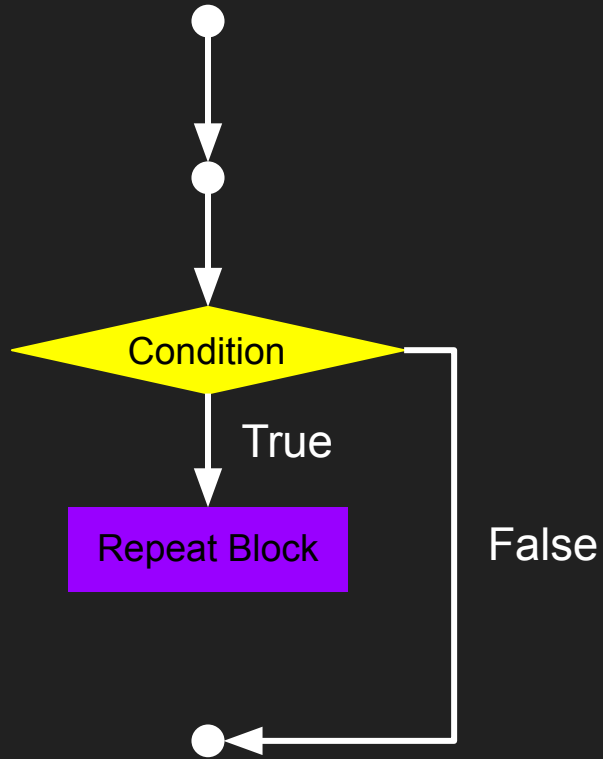
Loops



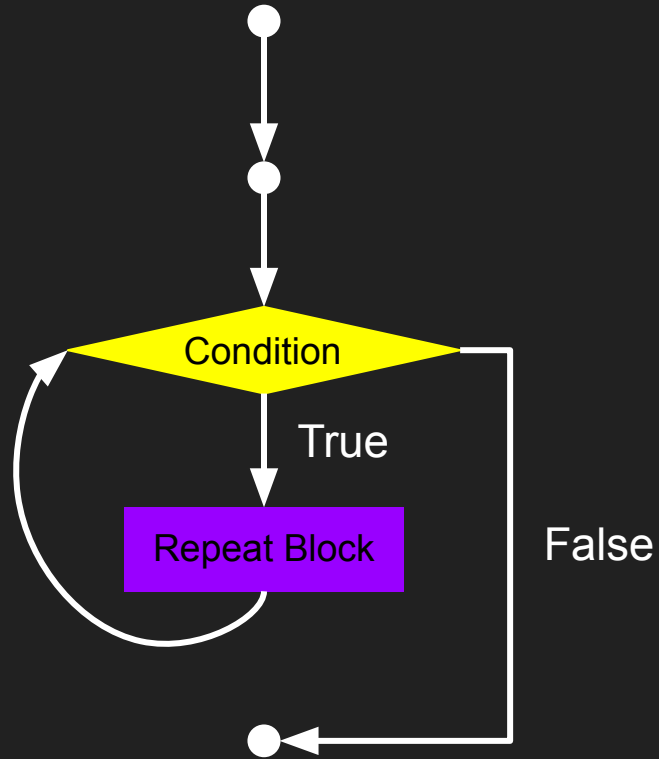
Loops



Loops

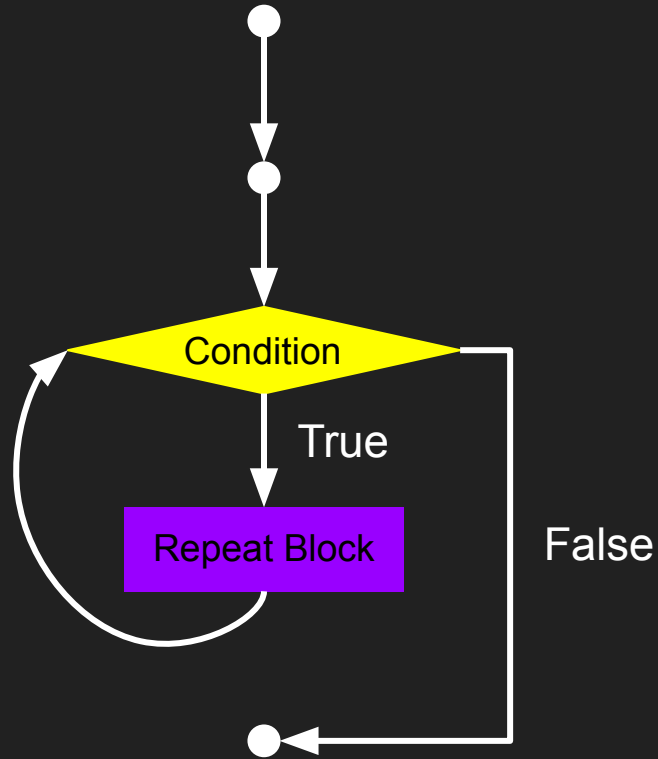


Loops



“While” Loops

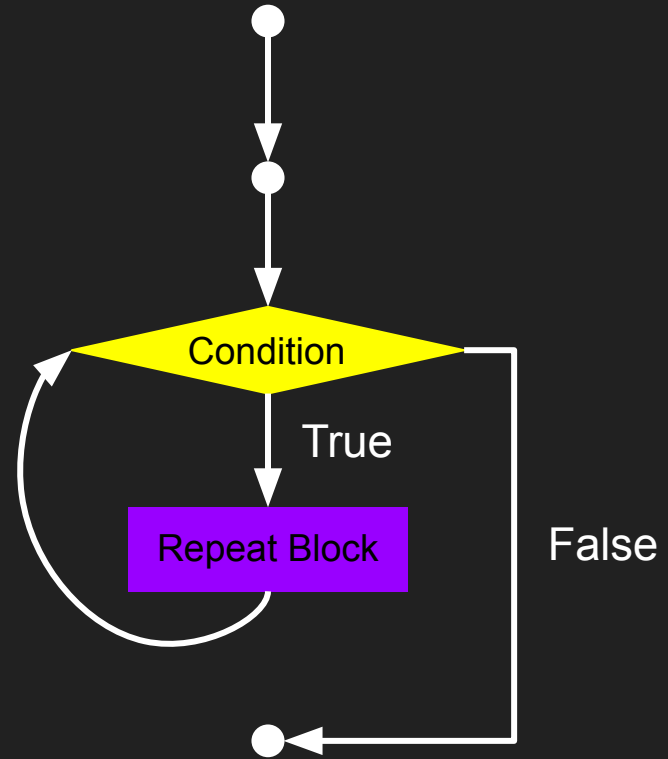
Repeat while
condition is true



Loops

Finding the low card pseudocode:

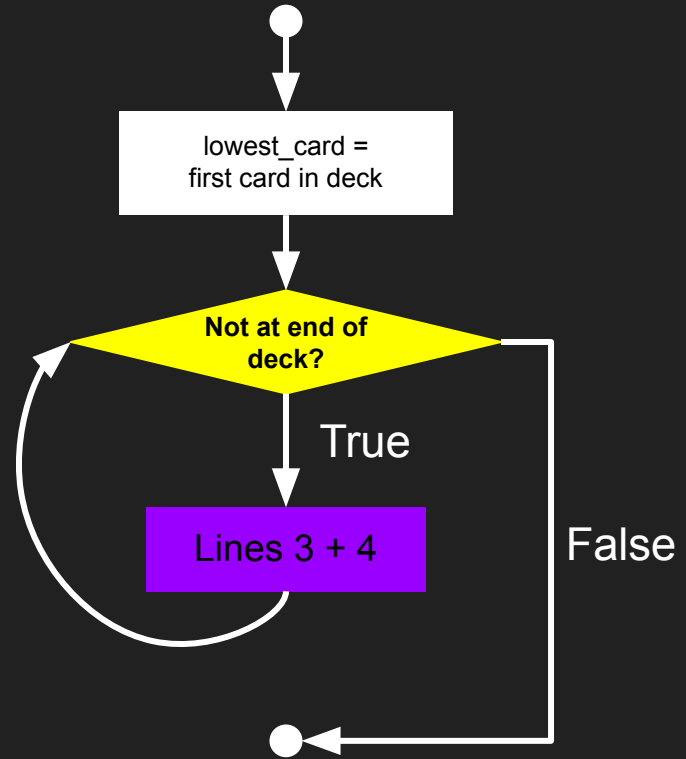
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Loops

Finding the low card pseudocode:

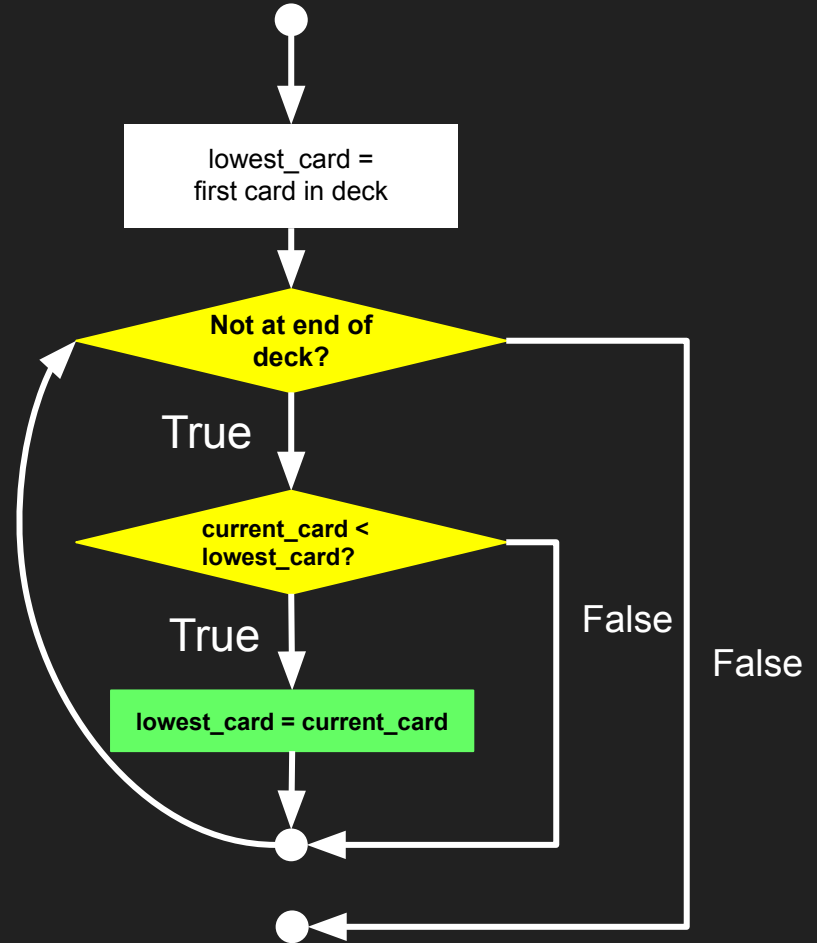
- 1 `lowest_card = first card in deck`
- 2 Repeatedly until end of deck:
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Loops

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- 1 `lowest_card = first card in deck`
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Syntax

while **<condition>**:

<repeat action>

