

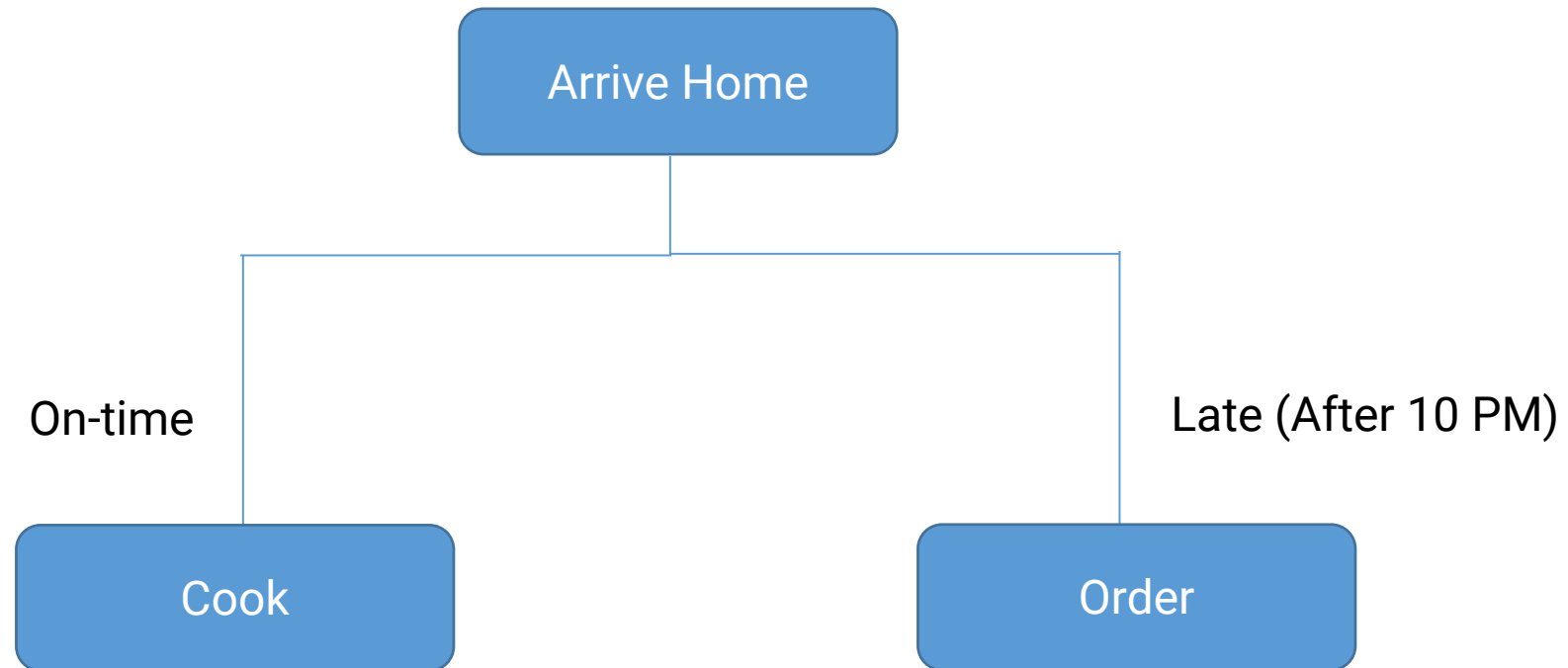
Conditional Statements

Conditional Statements: Scenario

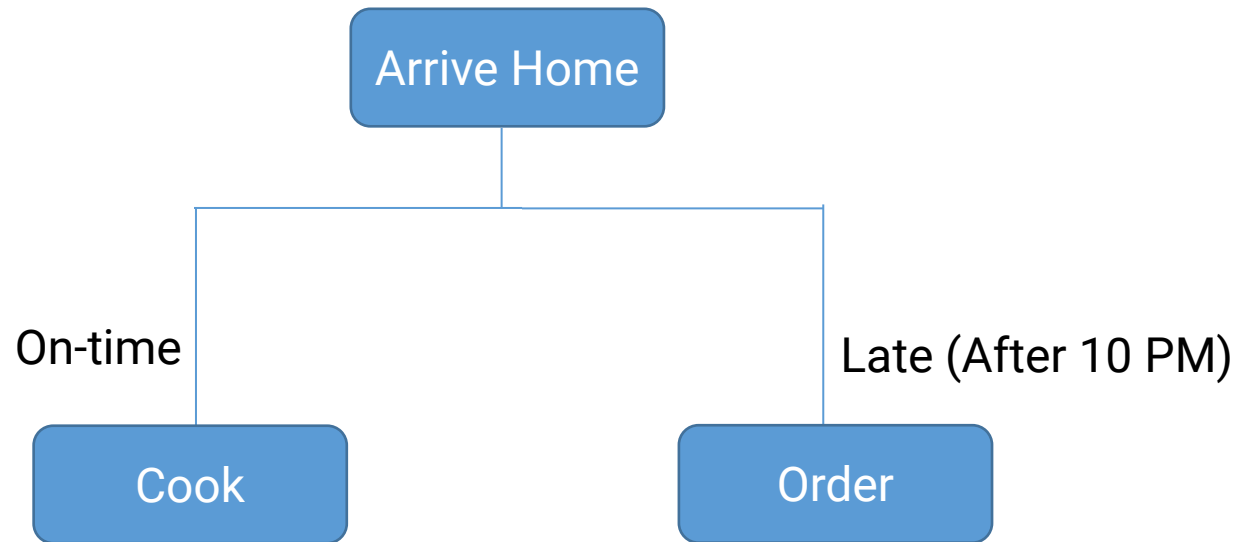
Example

Conditional Statements: Scenario

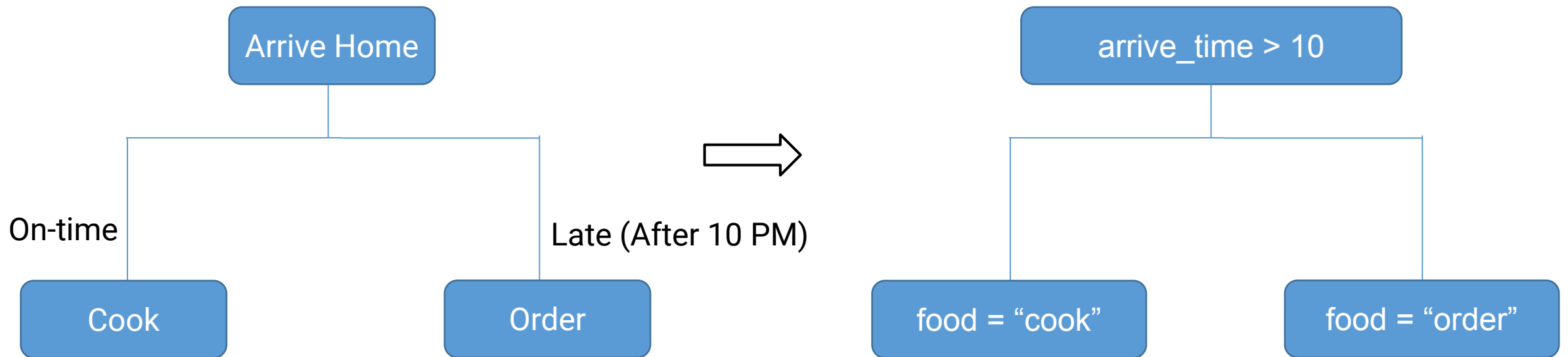
Example



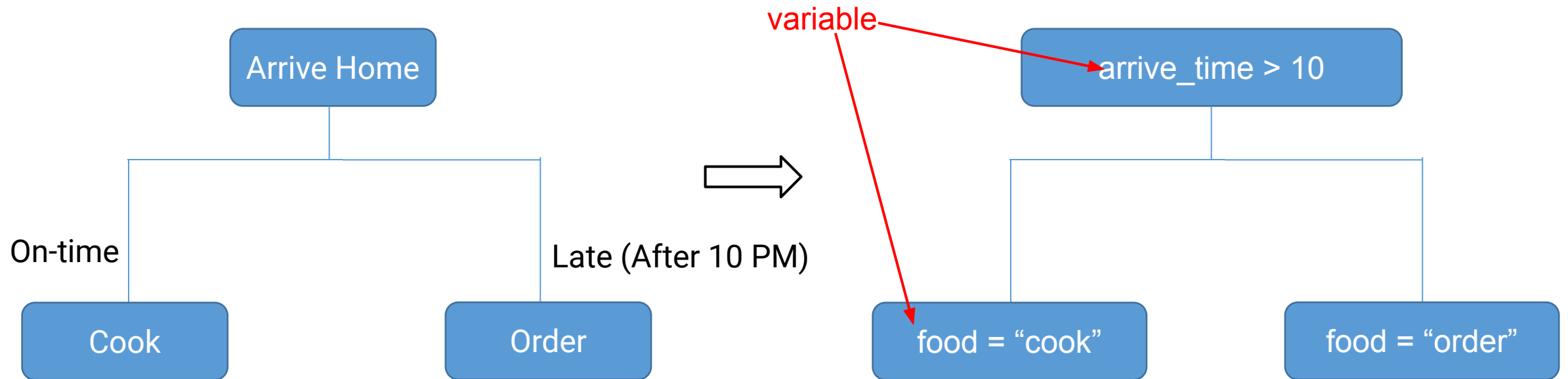
Conditional Statements



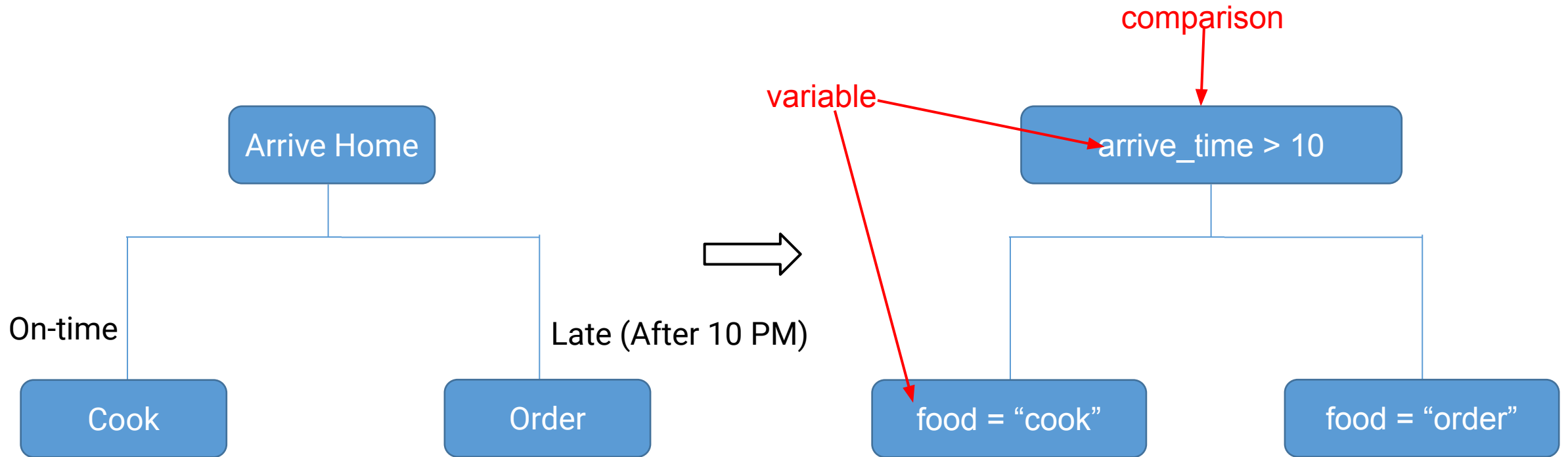
Conditional Statements



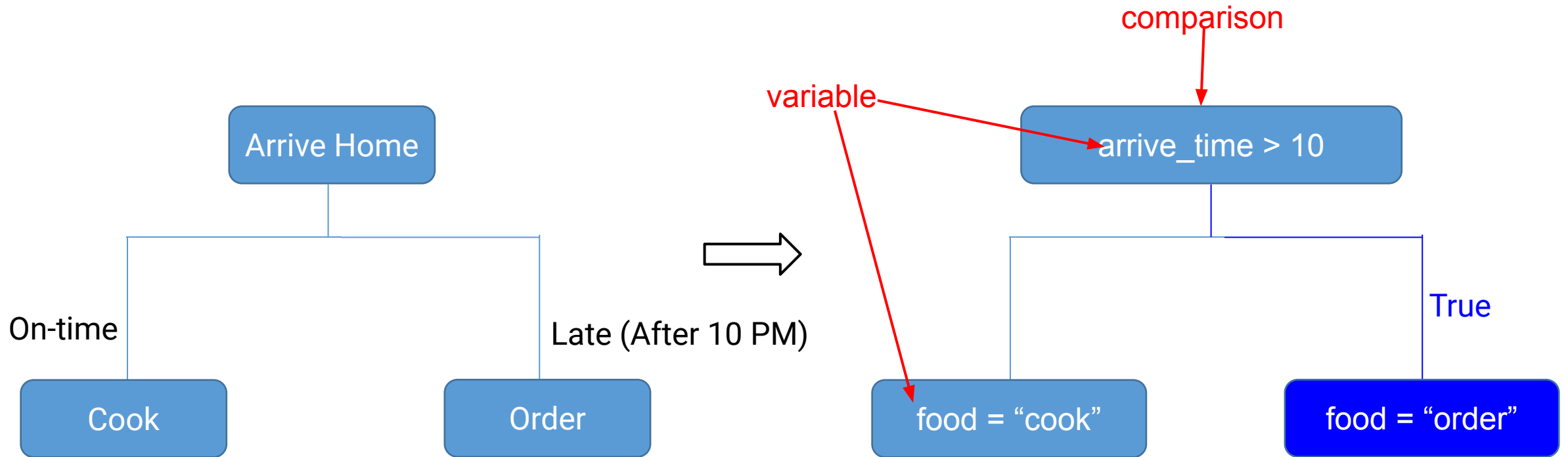
Conditional Statements



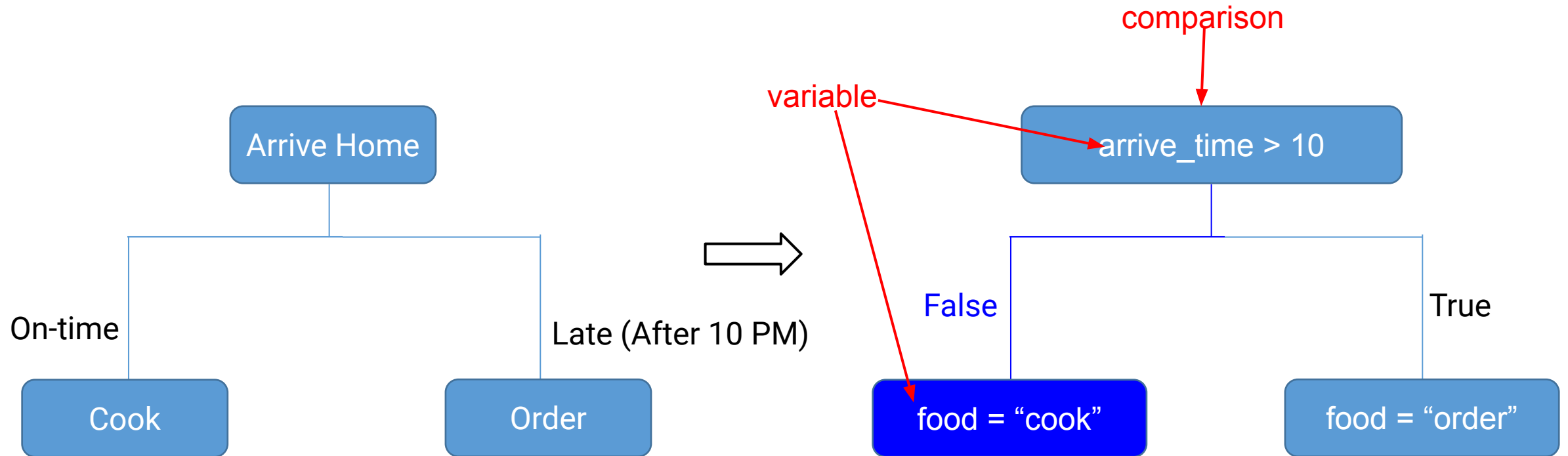
Conditional Statements



Conditional Statements

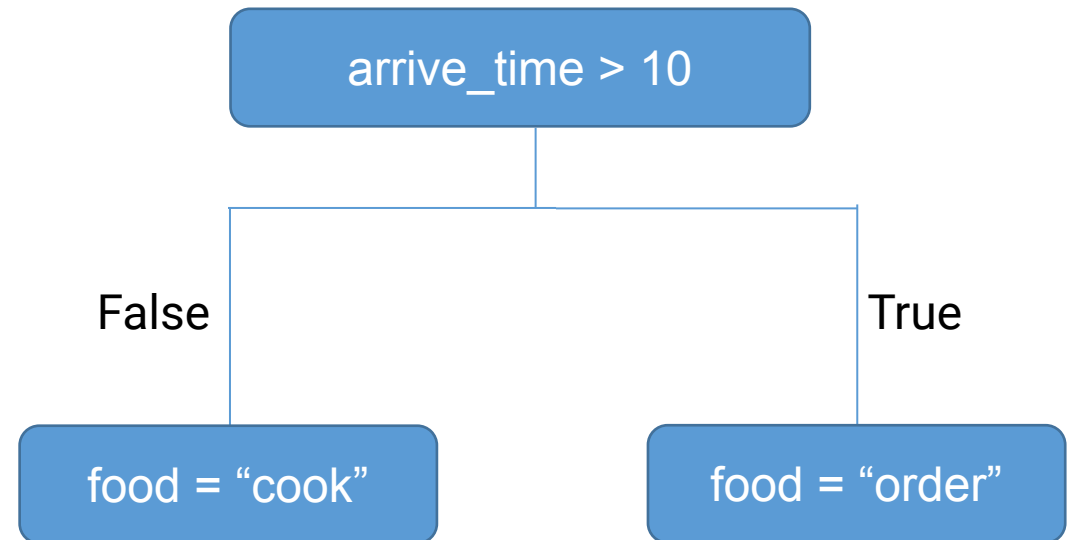
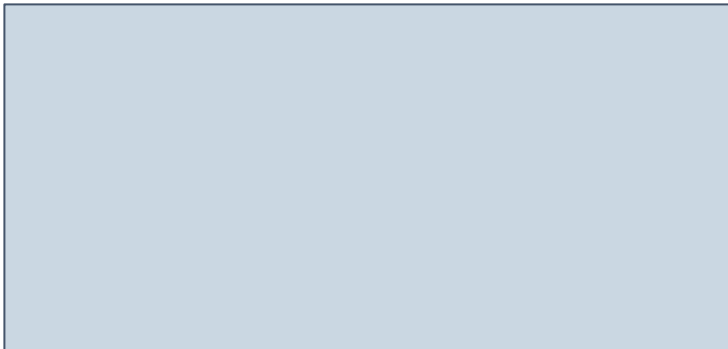


Conditional Statements



Conditional Statements

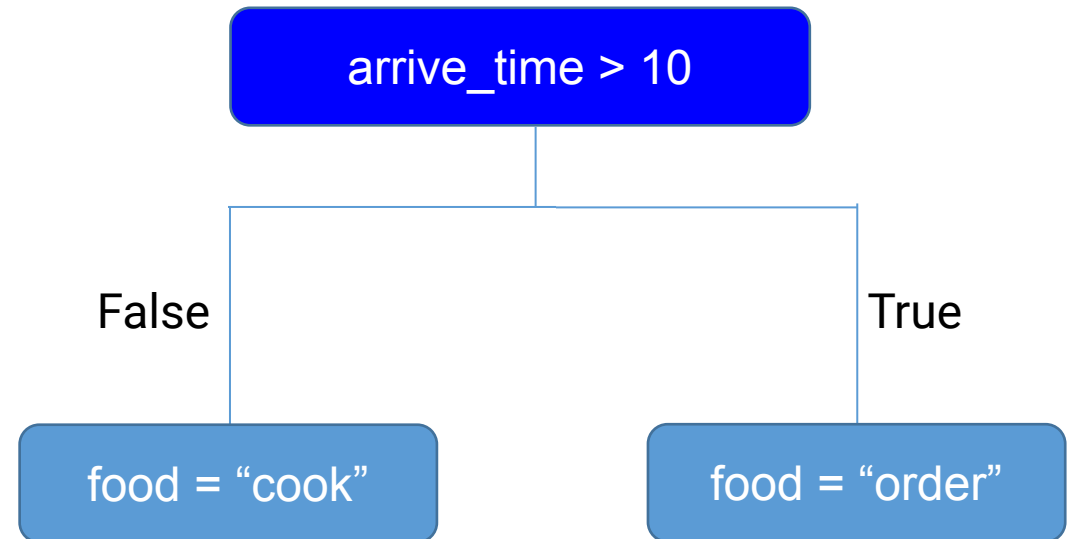
Pseudo-Code



Conditional Statements

Pseudo-Code

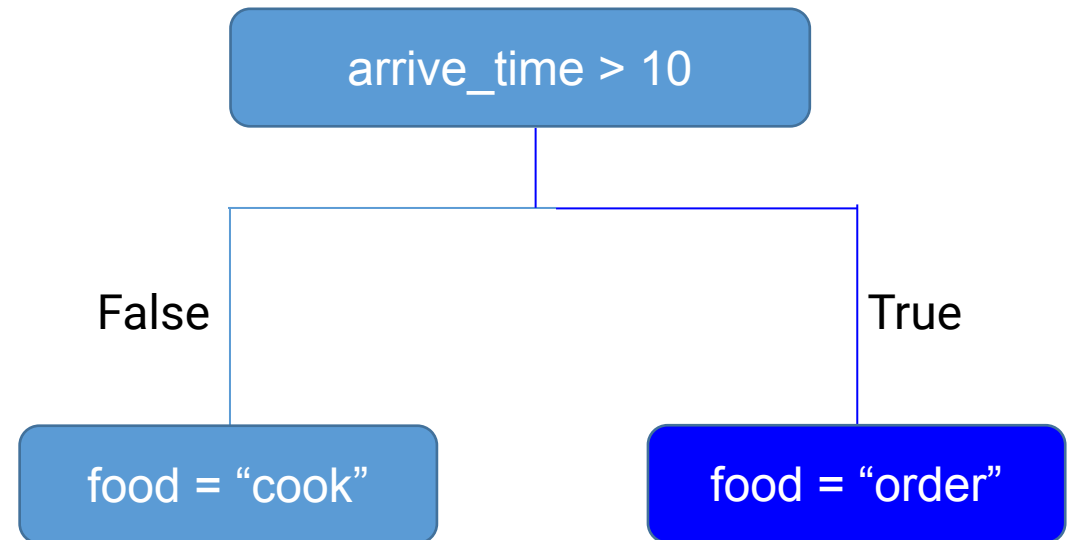
Check if arrive_time > 10



Conditional Statements

Pseudo-Code

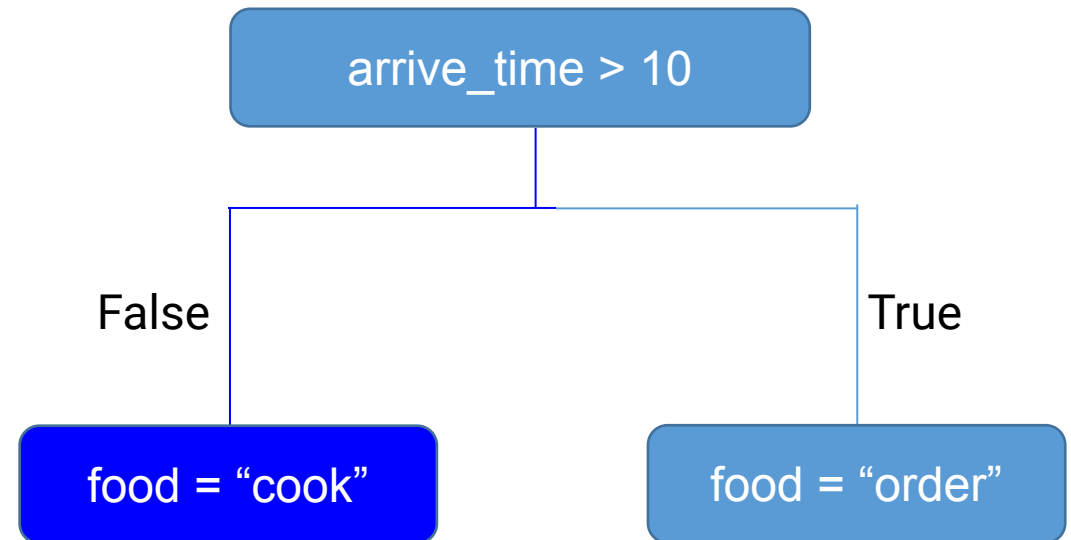
```
Check if arrive_time > 10  
then food = "order"
```



Conditional Statements

Pseudo-Code

```
Check if arrive_time > 10  
then food = "order"  
else food = "cook"
```

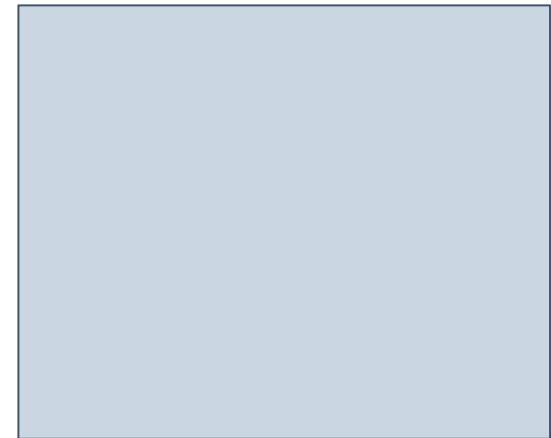


Conditional Statements

Pseudo-Code

```
Check if arrive_time > 10  
then food = "order"  
else food = "cook"
```

Code



Conditional Statements

Pseudo-Code

```
Check if arrive_time > 10  
then food = "order"  
else food = "cook"
```

Code

```
if arrive_time > 10:  
    food = "order"  
else:  
    food = "cook"
```

Conditional Statements

Pseudo-Code

```
Check if arrive_time > 10  
then food = "order"  
else food = "cook"
```

Code

```
if arrive_time > 10:  
    food = "order"  
else:  
    food = "cook"
```


Conditional Statements

Pseudo-Code

```
Check if arrive_time > 10  
then food = "order"  
else food = "cook"
```

Code

```
if arrive_time > 10:  
    food = "order"  
else:  
    food = "cook"
```

4 space
"indentation"

Conditional Statements

Pseudo-Code

```
Check if arrive_time > 10  
then food = "order"  
else food = "cook"
```

Code

```
if arrive_time > 10:  
    food = "order"  
else:  
    food = "cook"
```

Conditional Statements

Pseudo-Code

```
Check if arrive_time > 10  
then food = "order"  
else food = "cook"
```

Code

```
if arrive_time > 10:  
    food = "order"  
else:  
    food = "cook"
```

Conditional Statements

Pseudo-Code

```
Check if arrive_time > 10  
then food = "order"  
else food = "cook"
```

Code

```
if arrive_time > 10:  
    food = "order"  
else:  
    food = "cook"
```

Conditional Statements: The if statement

- If – else statements : Single Condition

Pseudo-Code

```
Check if arrive_time > 10  
then food = "order"  
else food = "cook"
```

Syntax

```
if condition:  
    statement 1  
else:  
    statement 2
```

Conditional Statements: Multiple conditions

- If – elif – else statements : Multiple Conditions

Conditional Statements: Multiple conditions

- If – elif – else statements : Multiple Conditions

Example:

Assume a variable x, print “positive” if x is greater than 0, “zero” if x is equal to 0 or “negative” if x is less than 0.

Conditional Statements: Multiple conditions

- If – elif – else statements : Multiple Conditions

Example:

Assume a variable x, print “positive” if x is greater than 0, “zero” if x is equal to 0 or “negative” if x is less than 0.

Pseudo-Code

```
Check if x>0  
if yes then print(“positive”)
```

```
Otherwise check if x==0  
if yes then print(“zero”)
```

```
For every other situation just print(“negative”)
```


Conditional Statements: Multiple conditions

- If – elif – else statements : Multiple Conditions

Example:

Assume a variable x, print “positive” if x is greater than 0, “zero” if x is equal to 0 or “negative” if x is less than 0.

Pseudo-Code

```
Check if x>0
if yes then print("positive")

Otherwise check if x==0
if yes then print("zero")

For every other situation just print("negative")
```

Code

```
if x>0:
    print("positive")
elif x==0:
    print("zero")
else:
    print("negative")
```

Conditional Statements: Multiple conditions

- If – elif – else statements : Multiple Conditions

Example:

Assume a variable x, print “positive” if x is greater than 0, “zero” if x is equal to 0 or “negative” if x is less than 0.

Pseudo-Code

Check if $x > 0$
if yes then print(“positive”)

Otherwise check if $x == 0$
if yes then print(“zero”)

For every other situation just print(“negative”)

Code

```
if x > 0:  
    print(“positive”)  
elif x == 0:  
    print(“zero”)  
else:  
    print(“negative”)
```

Conditional Statements: The if-elif-else

- If – elif – else statements : Multiple Conditions

Pseudo-Code

Check if $x > 0$
if yes then print("positive")

Otherwise check if $x == 0$
if yes then print("zero")

For every other situation just print("negative")

Syntax

```
if condition1:  
    statement 1  
elif condition2:  
    statement 2  
else:  
    statement 3
```

Conditional Statements: Multiple elifs

- If – elif – else statements : Multiple Conditions

Syntax

```
if condition1:  
    statement 1  
elif condition2:  
    statement 2  
    .  
    .  
    .  
elif condition99:  
    statement 99  
else:  
    statement 100
```

Thank You