

while loop

example 1

```
# basic example
reps = 5
i = 1

while i <= reps:
    print(i)
    i += 1
```

Variables

Loop

Output

```
# basic example
reps = 5
i = 1

while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 1

Loop

Output

```
# basic example
reps = 5
i = 1

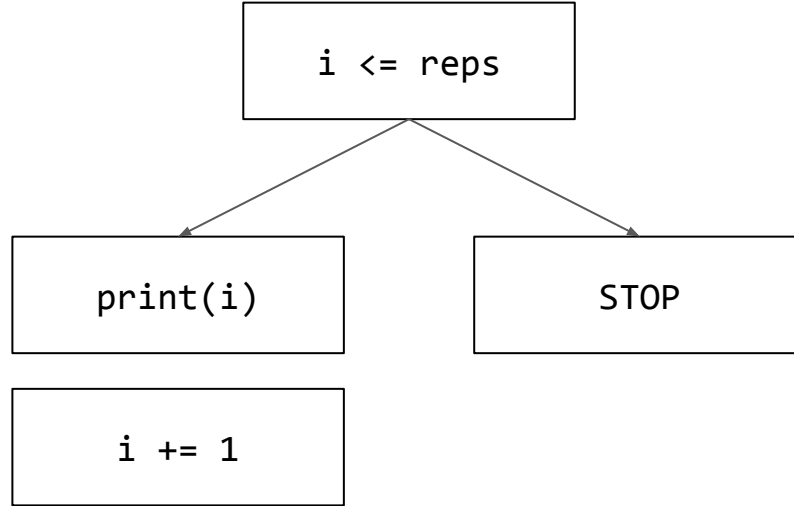
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 1

Loop



Output

```
# basic example
reps = 5
i = 1

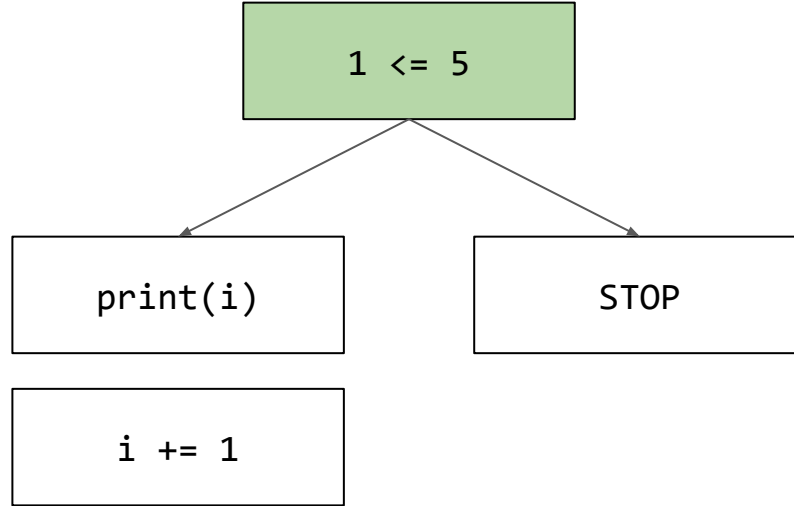
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 1

Loop



Output

```
# basic example
reps = 5
i = 1

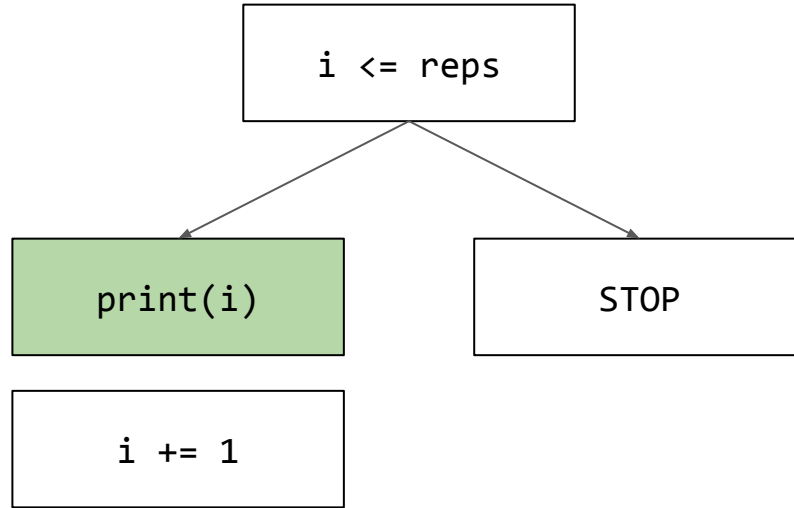
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 1

Loop



Output

> 1

```
# basic example
reps = 5
i = 1

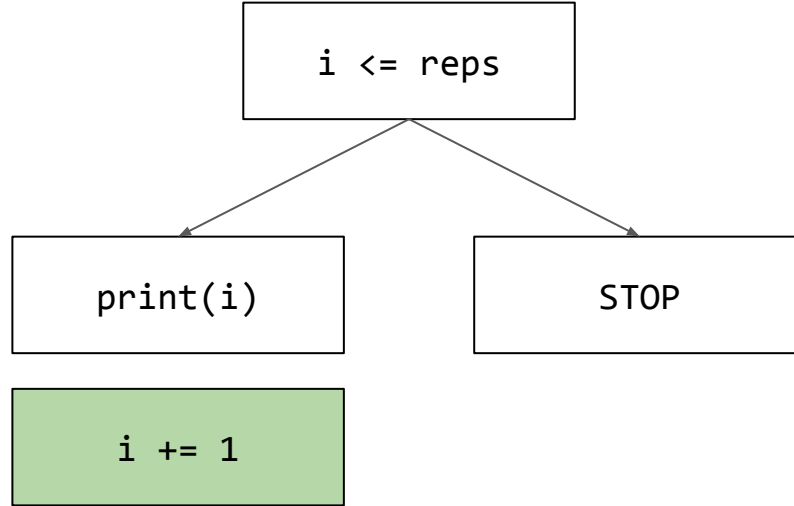
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 1

Loop



Output

> 1


```
# basic example
reps = 5
i = 1

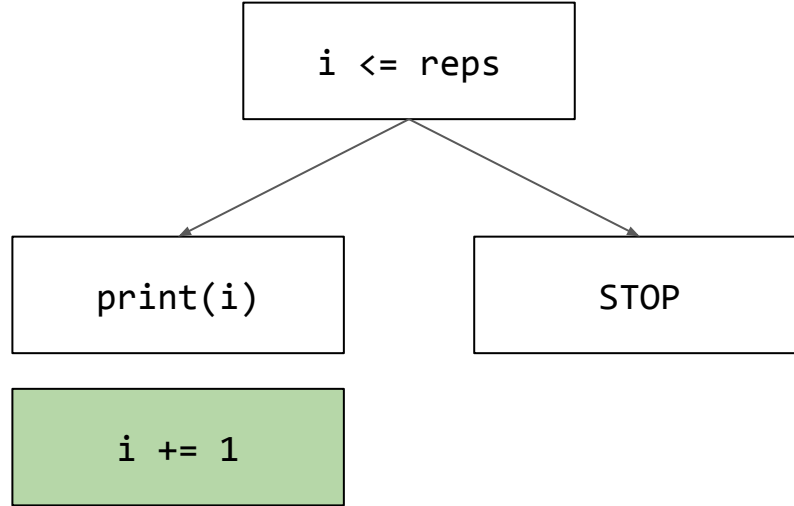
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 2

Loop



Output

> 1

```
# basic example
reps = 5
i = 1

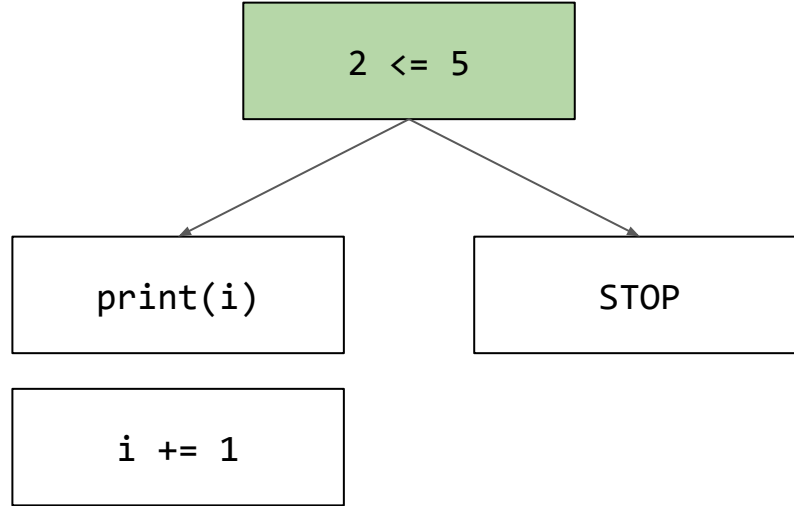
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 2

Loop



Output

> 1

```
# basic example
reps = 5
i = 1

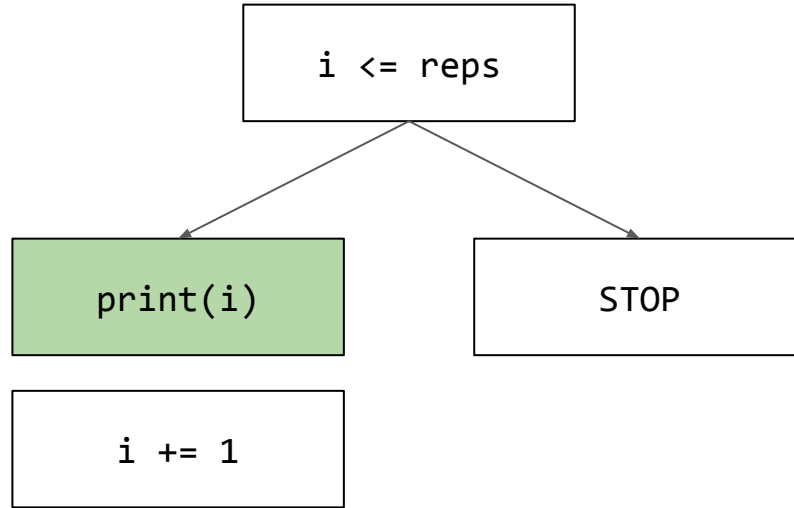
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 2

Loop



Output

> 1
> 2

```
# basic example
reps = 5
i = 1

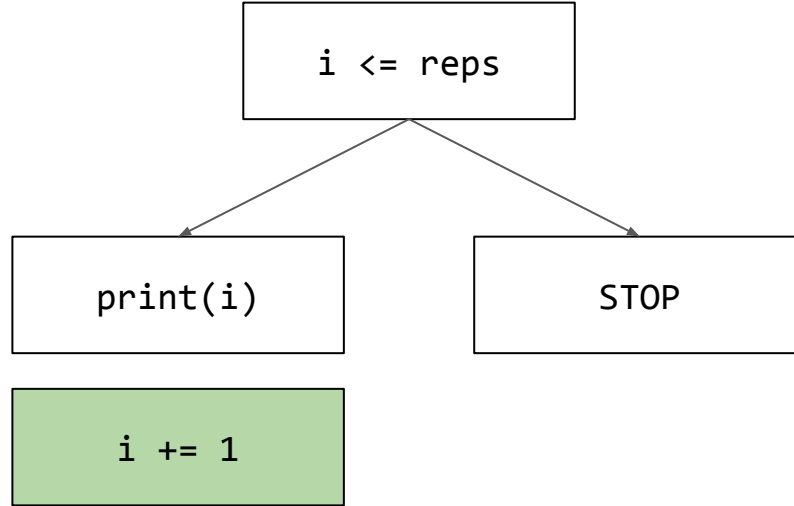
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 2

Loop



Output

> 1
> 2

```
# basic example
reps = 5
i = 1

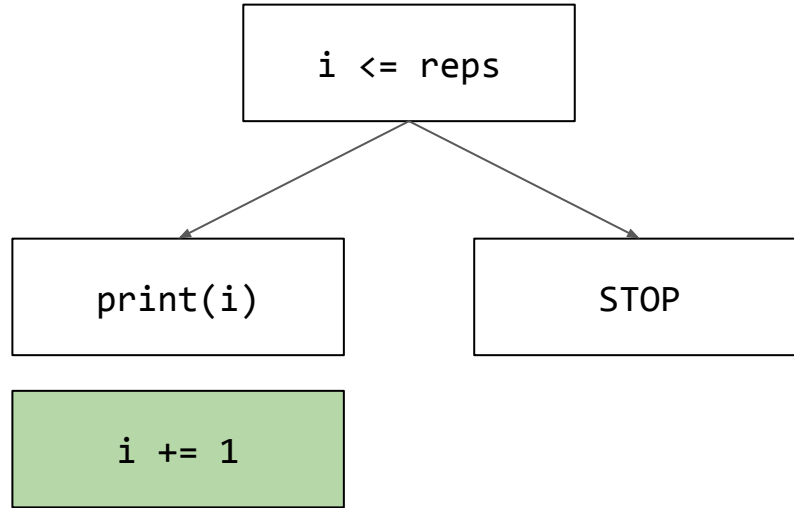
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2

```
# basic example
reps = 5
i = 1

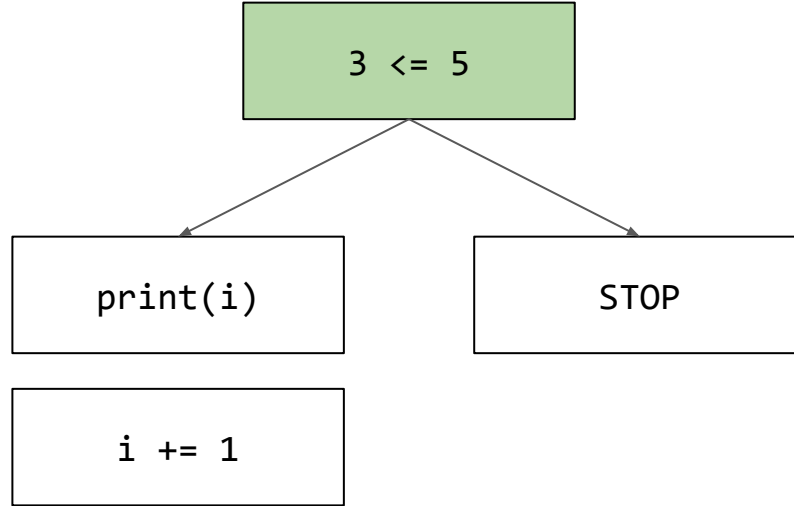
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2

```
# basic example
reps = 5
i = 1

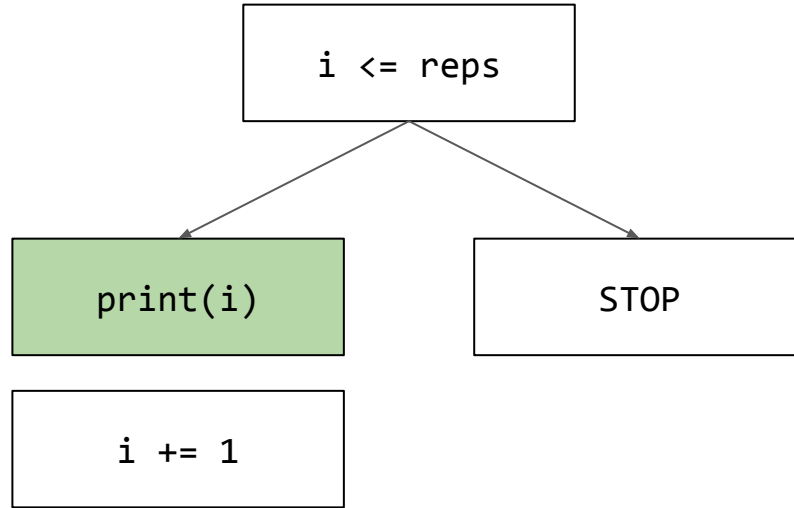
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2
> 3

```
# basic example
reps = 5
i = 1

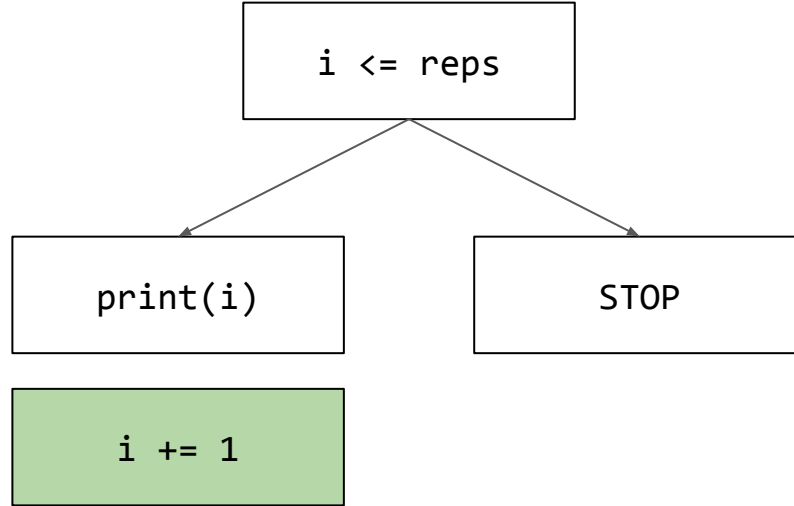
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2
> 3


```
# basic example
reps = 5
i = 1

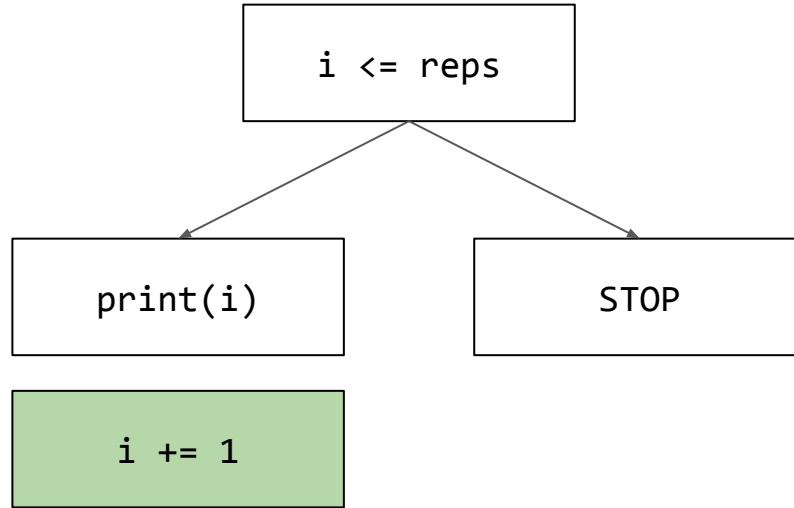
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 4

Loop



Output

> 1
> 2
> 3

```
# basic example
reps = 5
i = 1

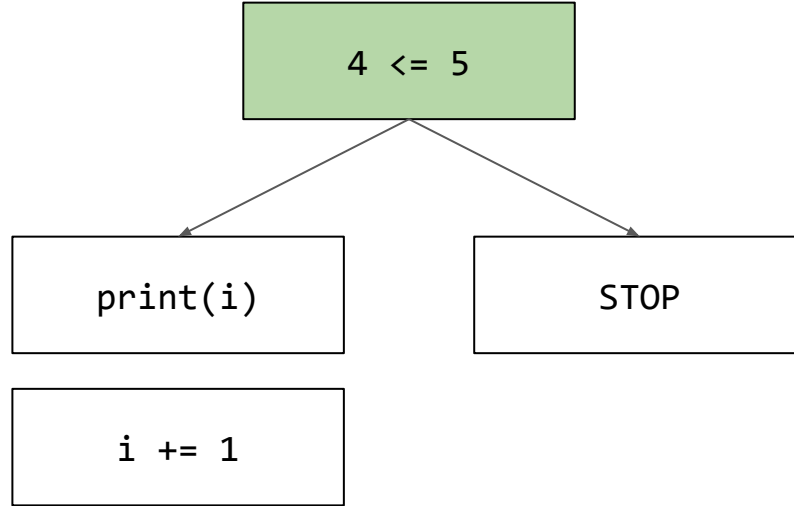
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 4

Loop



Output

> 1
> 2
> 3

```
# basic example
reps = 5
i = 1

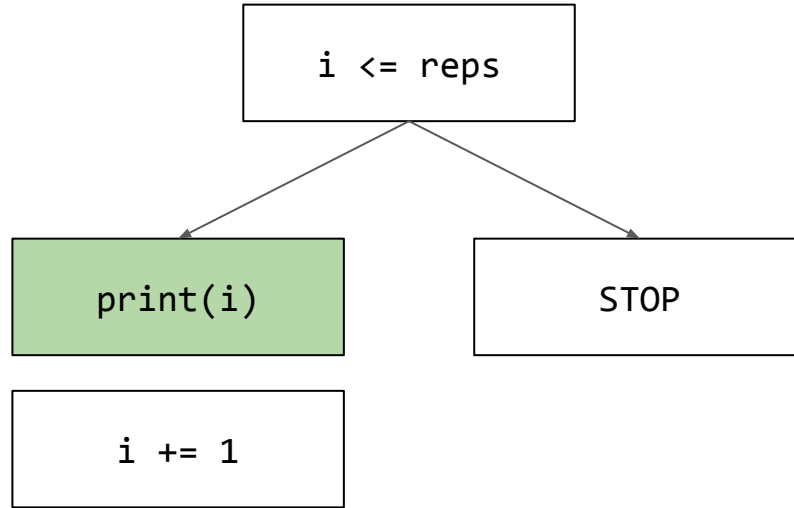
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 4

Loop



Output

> 1
> 2
> 3
> 4

```
# basic example
reps = 5
i = 1

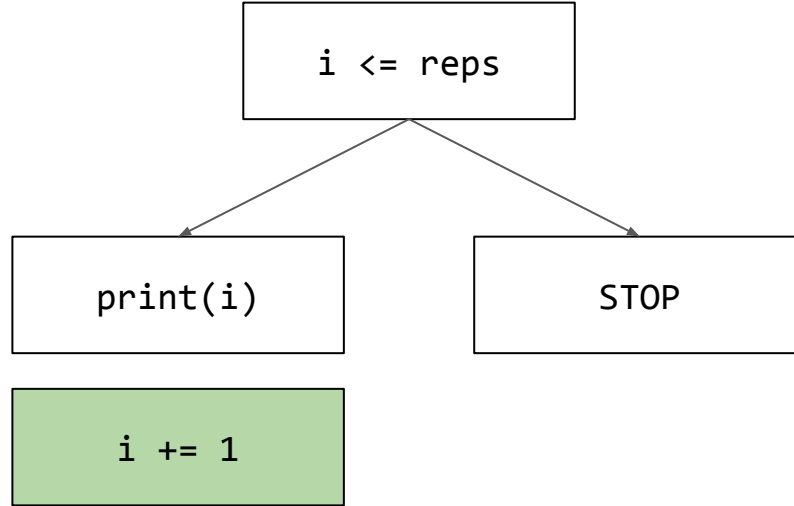
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 4

Loop



Output

> 1
> 2
> 3
> 4

```
# basic example
reps = 5
i = 1

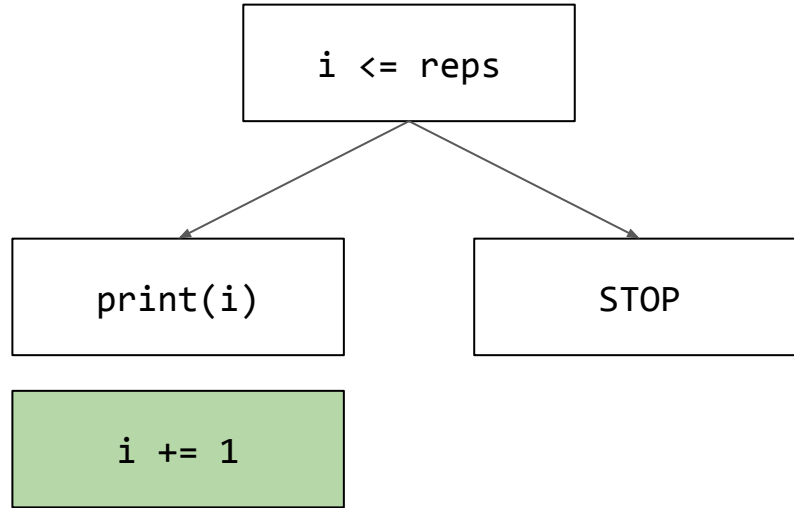
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 5

Loop



Output

> 1
> 2
> 3
> 4

```
# basic example
reps = 5
i = 1

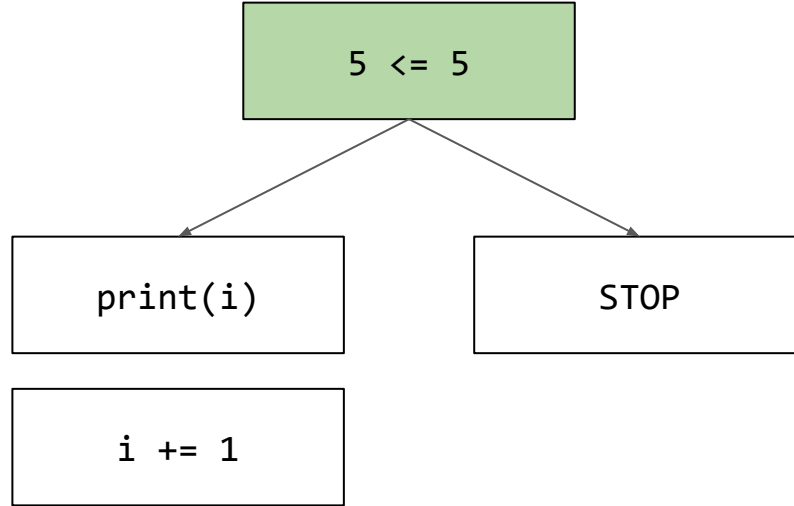
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 5

Loop



Output

> 1
> 2
> 3
> 4

```
# basic example
reps = 5
i = 1

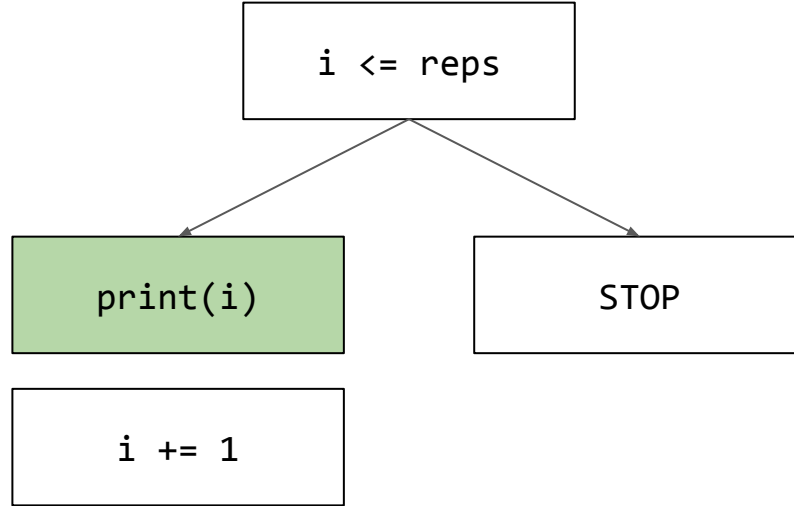
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 5

Loop



Output

> 1
> 2
> 3
> 4
> 5

```
# basic example
reps = 5
i = 1

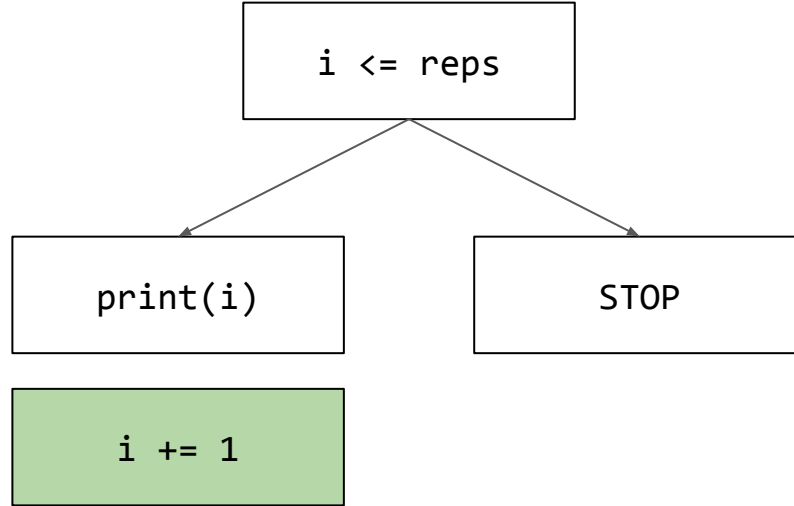
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 5

Loop



Output

> 1
> 2
> 3
> 4
> 5


```
# basic example
reps = 5
i = 1

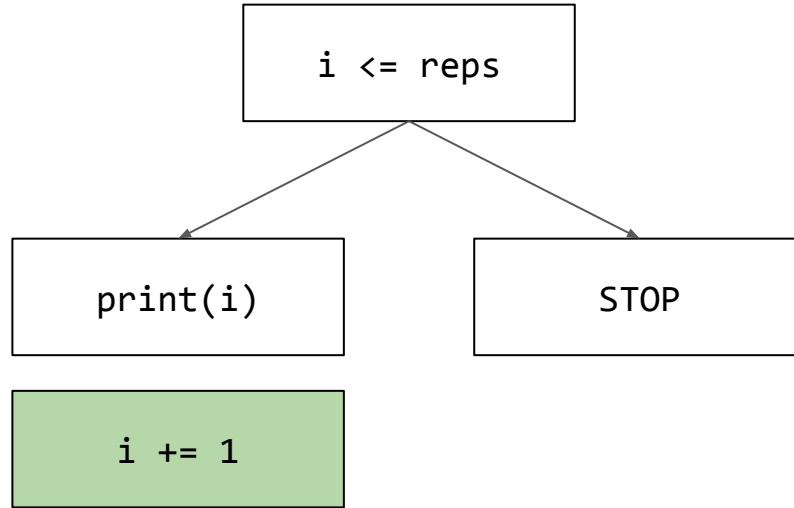
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 6

Loop



Output

> 1
> 2
> 3
> 4
> 5

```
# basic example
reps = 5
i = 1

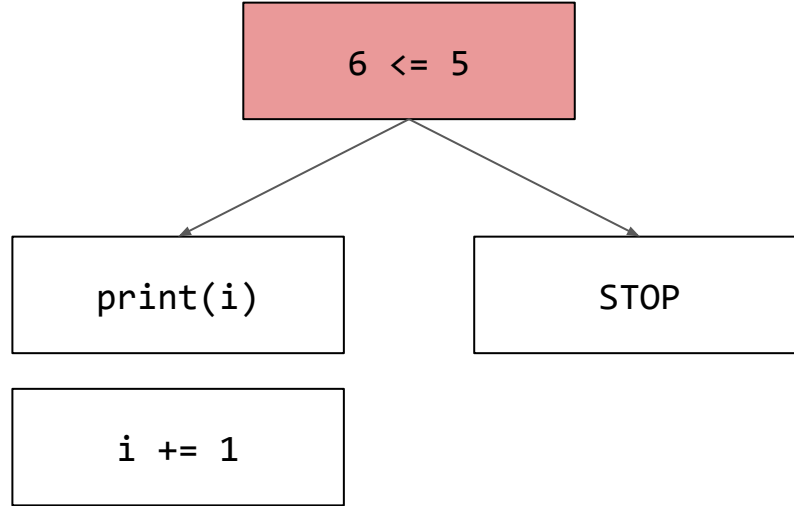
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 6

Loop



Output

> 1
> 2
> 3
> 4
> 5

```
# basic example
reps = 5
i = 1

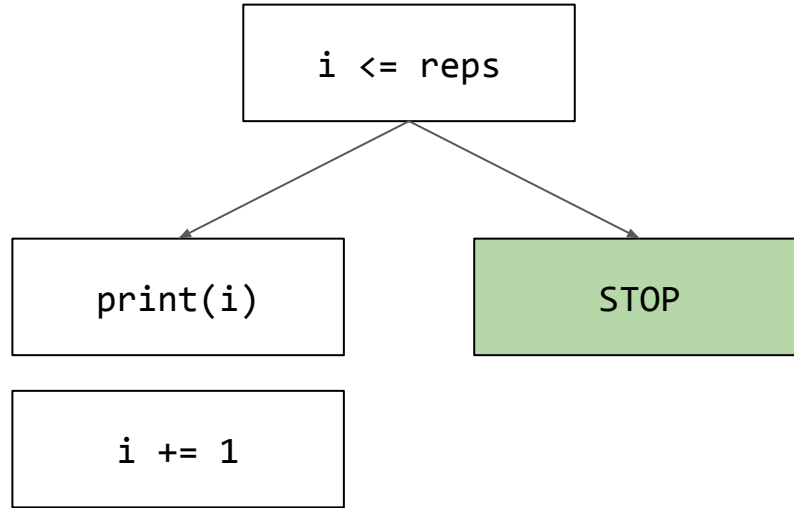
while i <= reps:
    print(i)
    i += 1
```

Variables

reps = 5

i = 6

Loop



Output

> 1
> 2
> 3
> 4
> 5

example 2

```
# break example  
reps = 5  
i = 1
```

```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 1

Loop

Output

```
# break example  
reps = 5  
i = 1
```

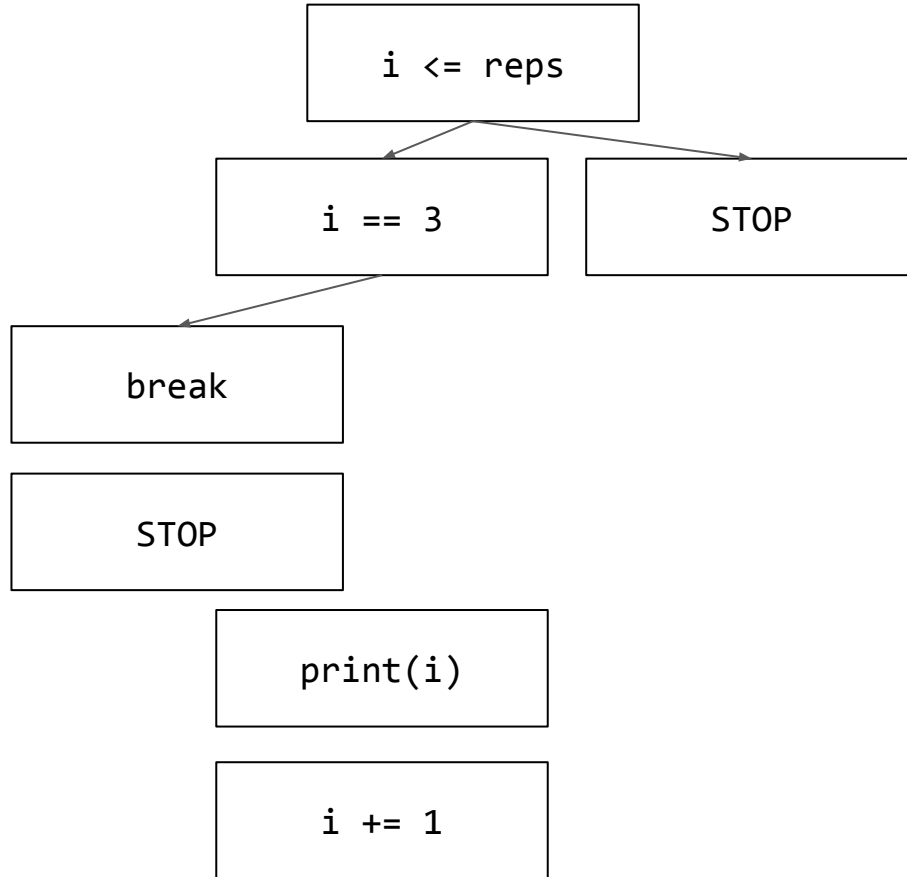
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 1

Loop



Output

```
# break example  
reps = 5  
i = 1
```

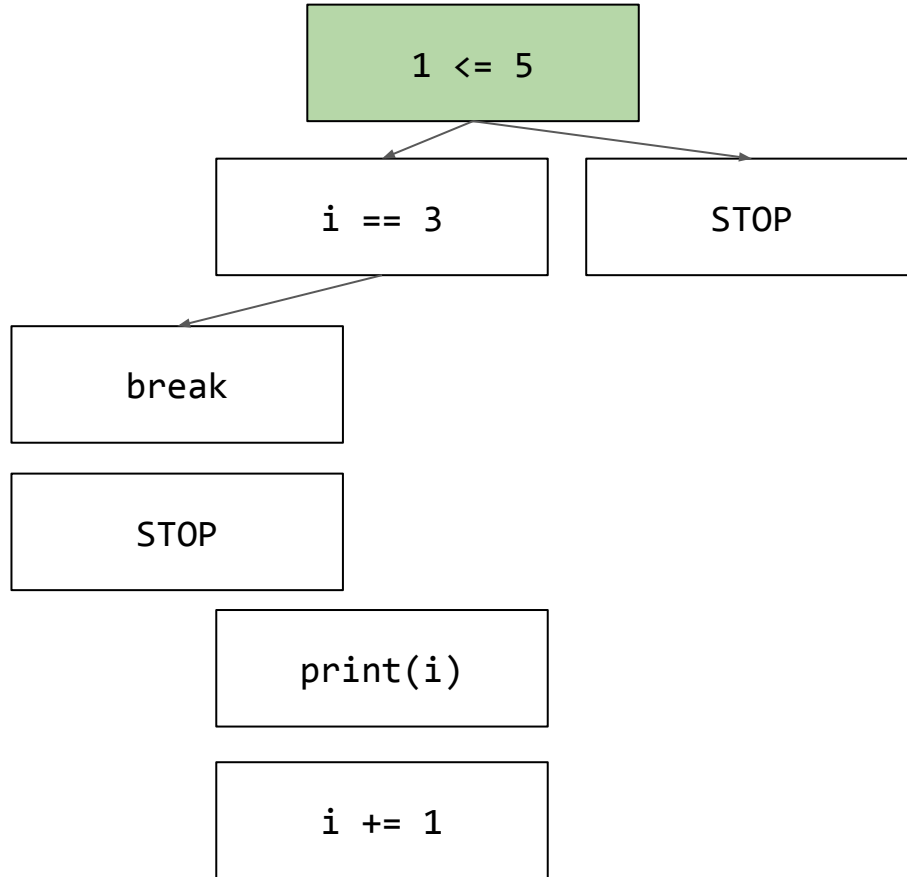
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 1

Loop



Output

```
# break example  
reps = 5  
i = 1
```

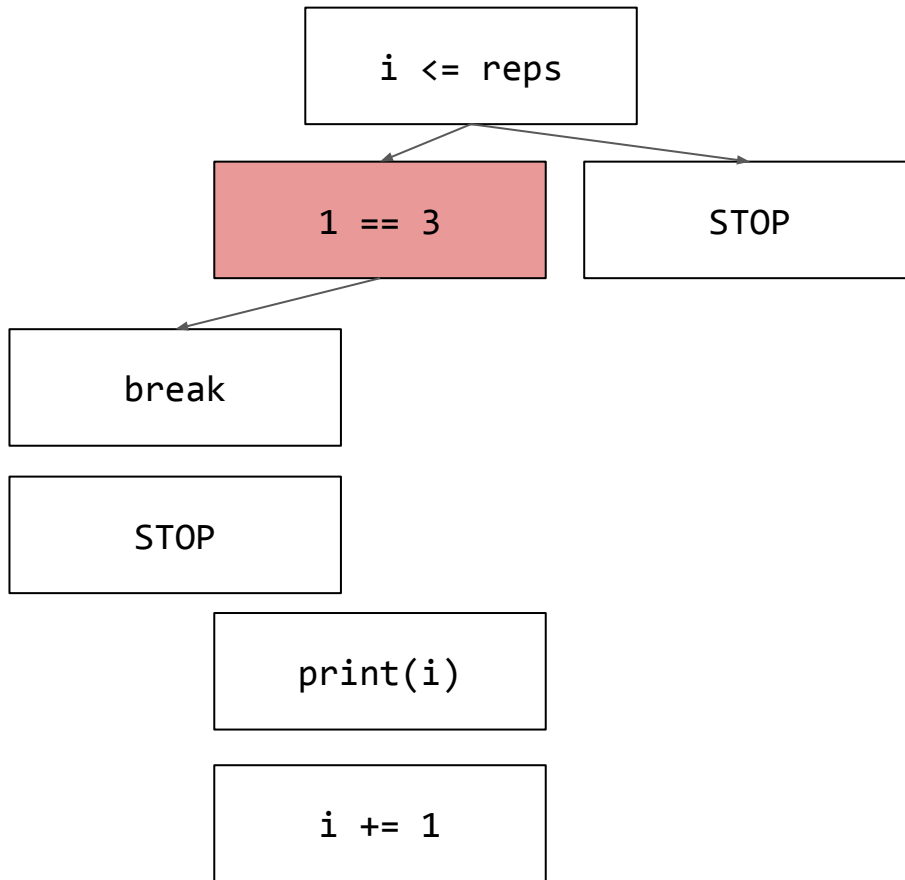
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 1

Loop



Output


```
# break example  
reps = 5  
i = 1
```

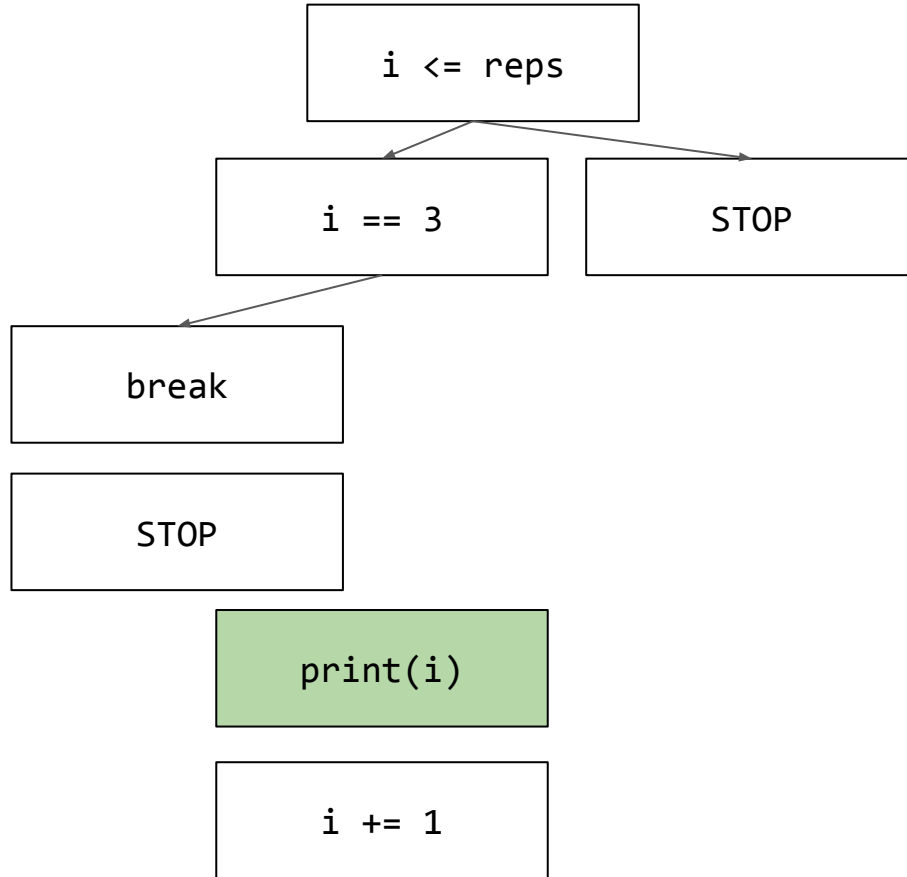
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 1

Loop



Output

> 1

```
# break example  
reps = 5  
i = 1
```

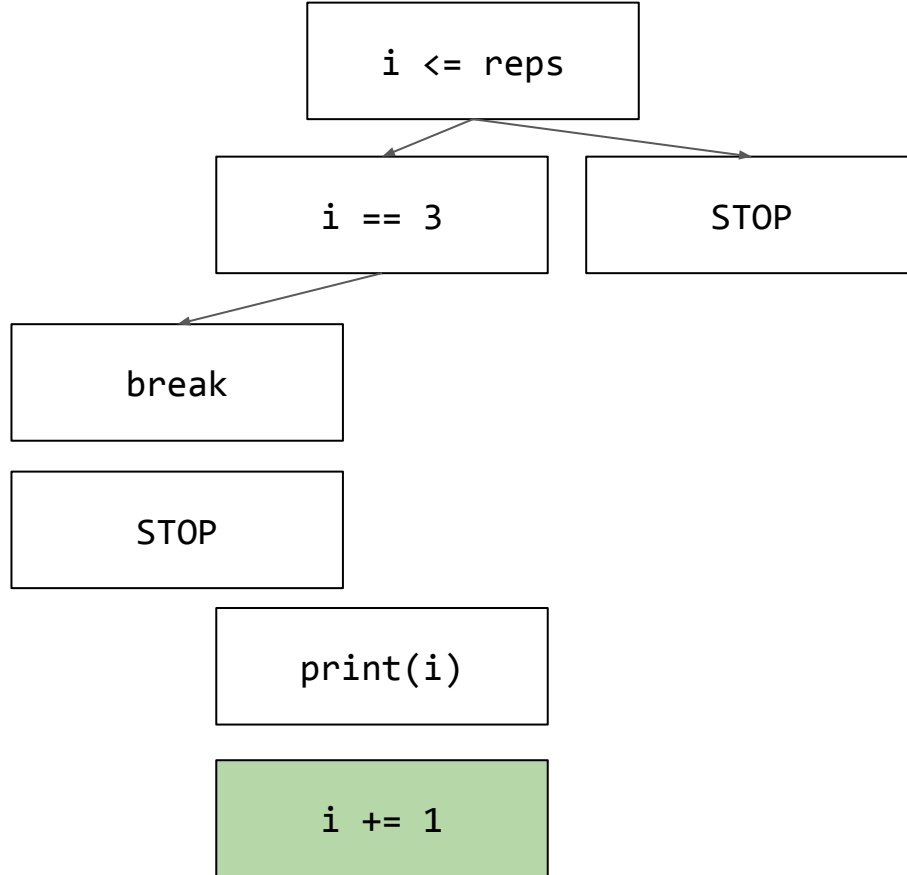
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 1

Loop



Output

> 1

```
# break example  
reps = 5  
i = 1
```

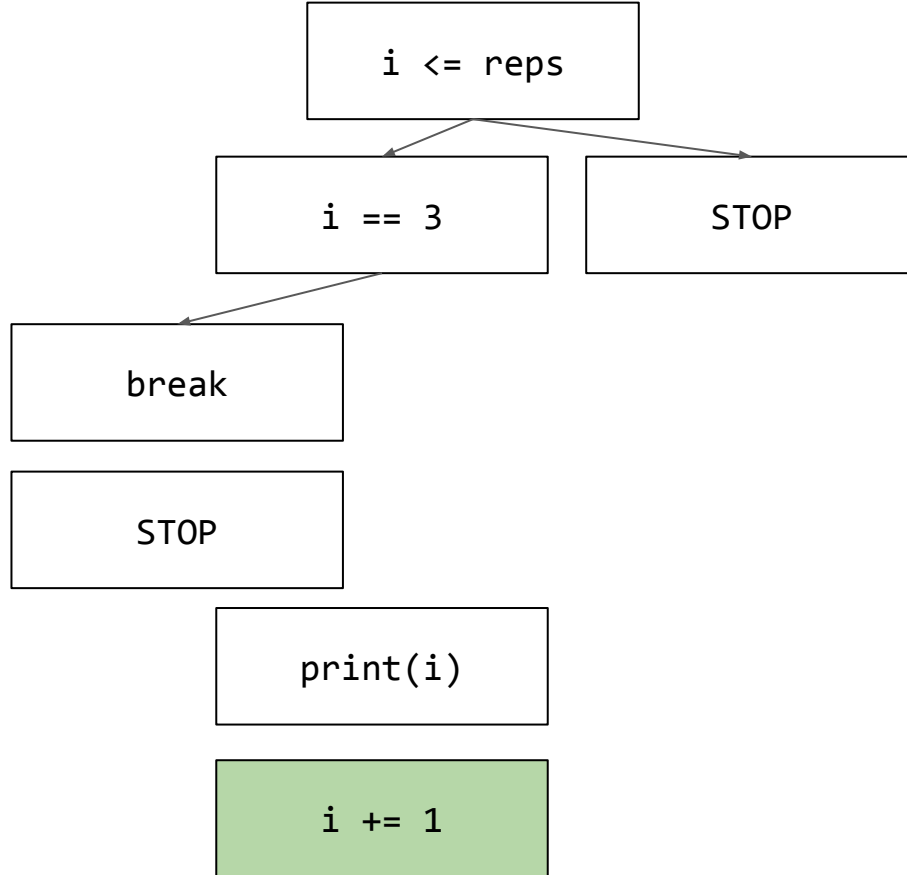
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 2

Loop



Output

> 1

```
# break example  
reps = 5  
i = 1
```

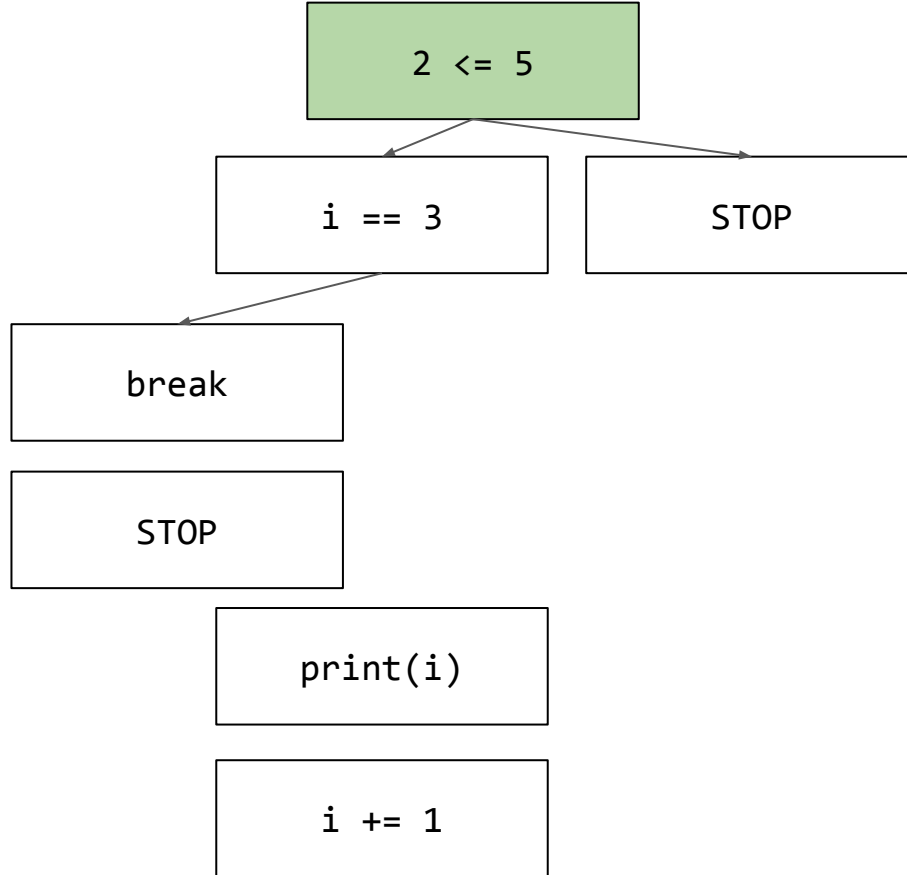
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 2

Loop



Output

> 1

```
# break example  
reps = 5  
i = 1
```

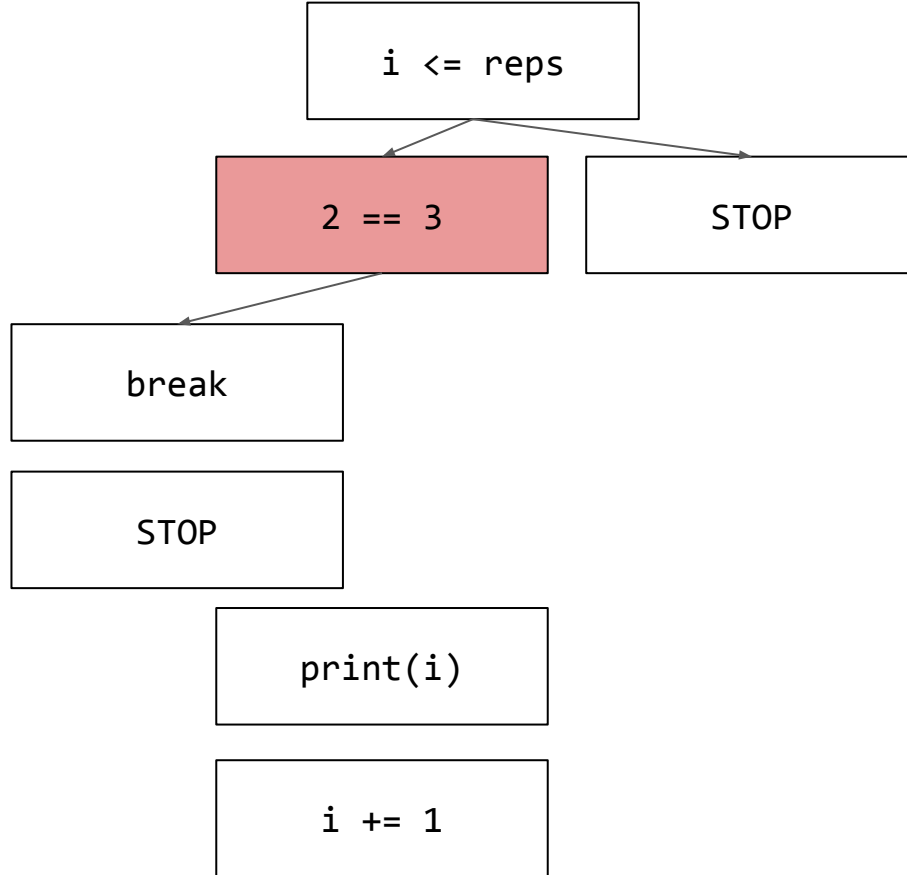
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 2

Loop



Output

> 1

```
# break example  
reps = 5  
i = 1
```

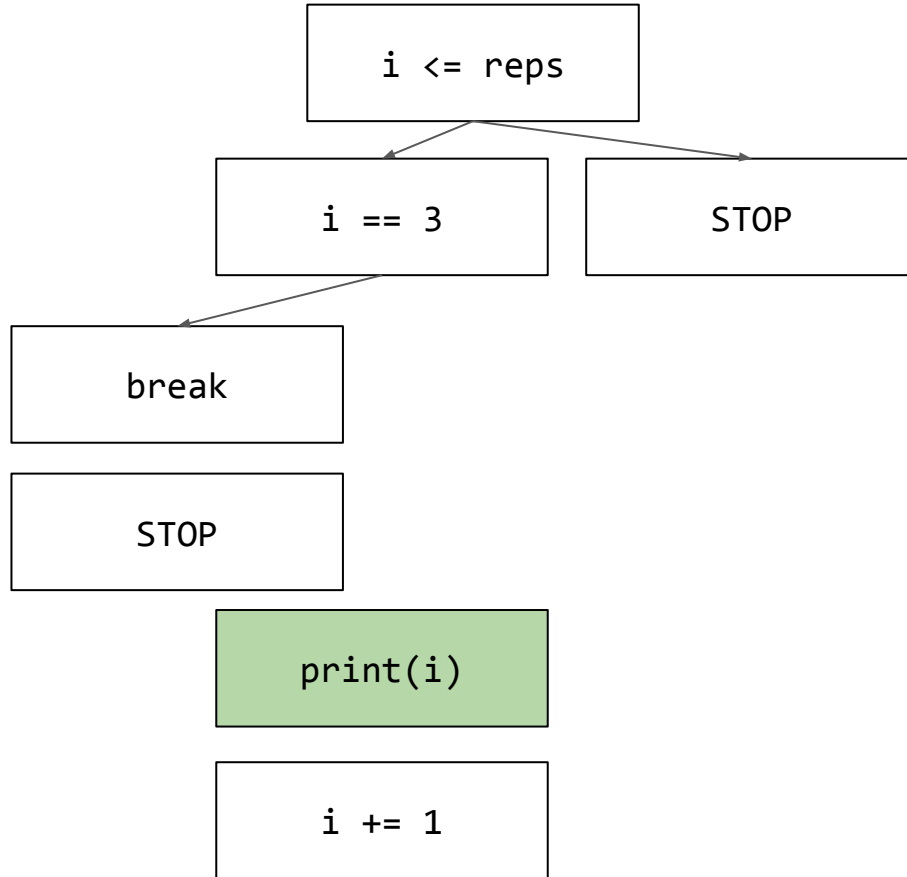
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 2

Loop



Output

> 1
> 2

```
# break example  
reps = 5  
i = 1
```

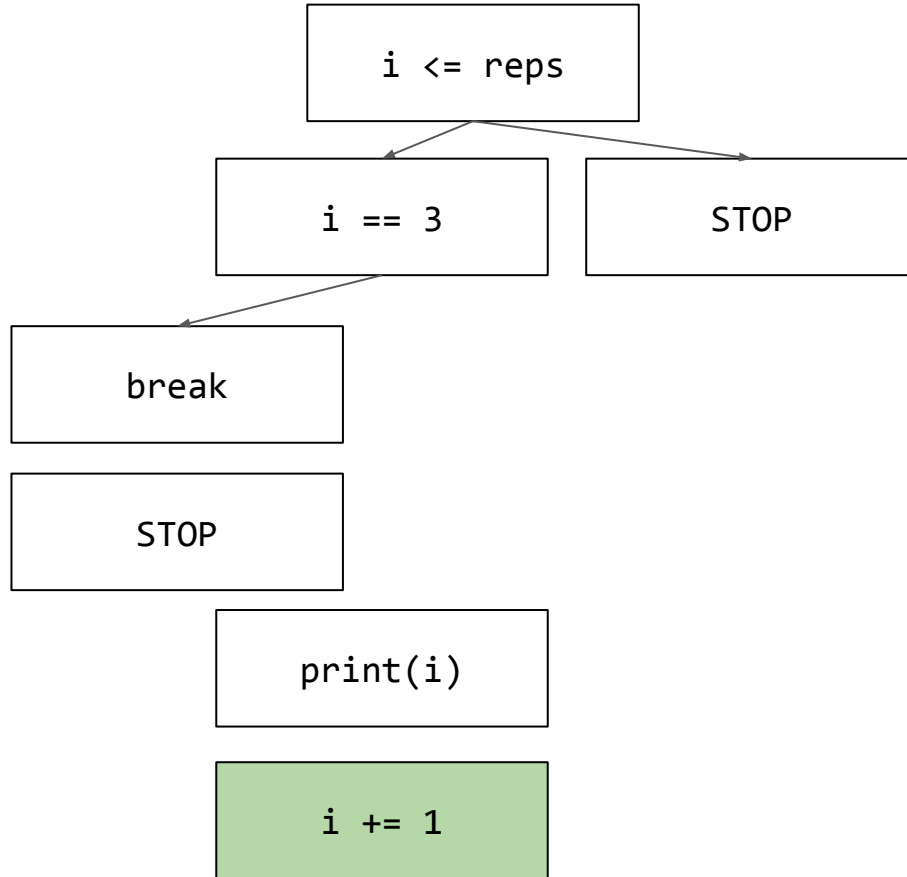
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 2

Loop



Output

> 1
> 2

```
# break example  
reps = 5  
i = 1
```

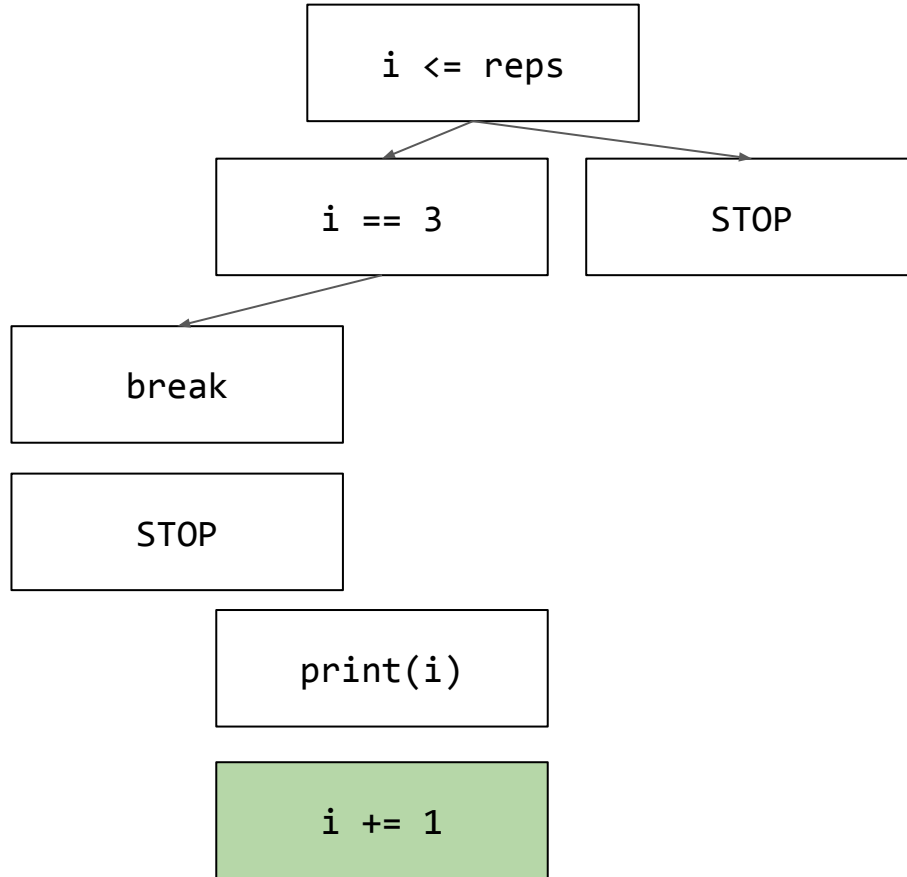
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2


```
# break example  
reps = 5  
i = 1
```

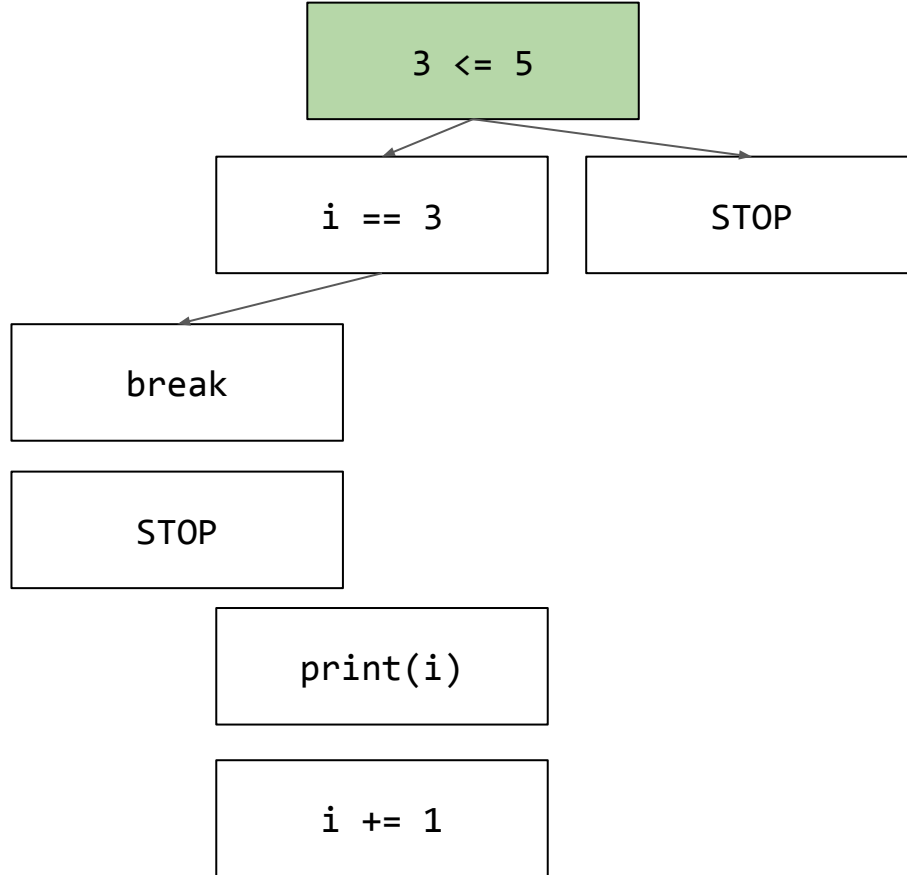
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2

```
# break example  
reps = 5  
i = 1
```

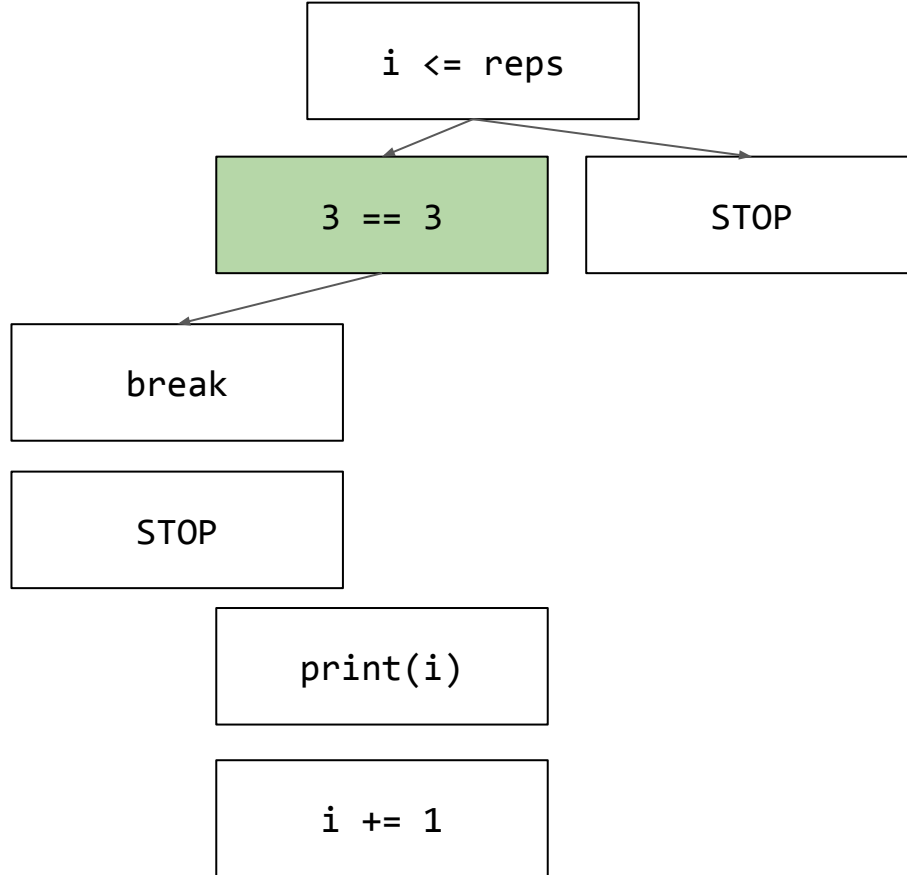
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2

```
# break example  
reps = 5  
i = 1
```

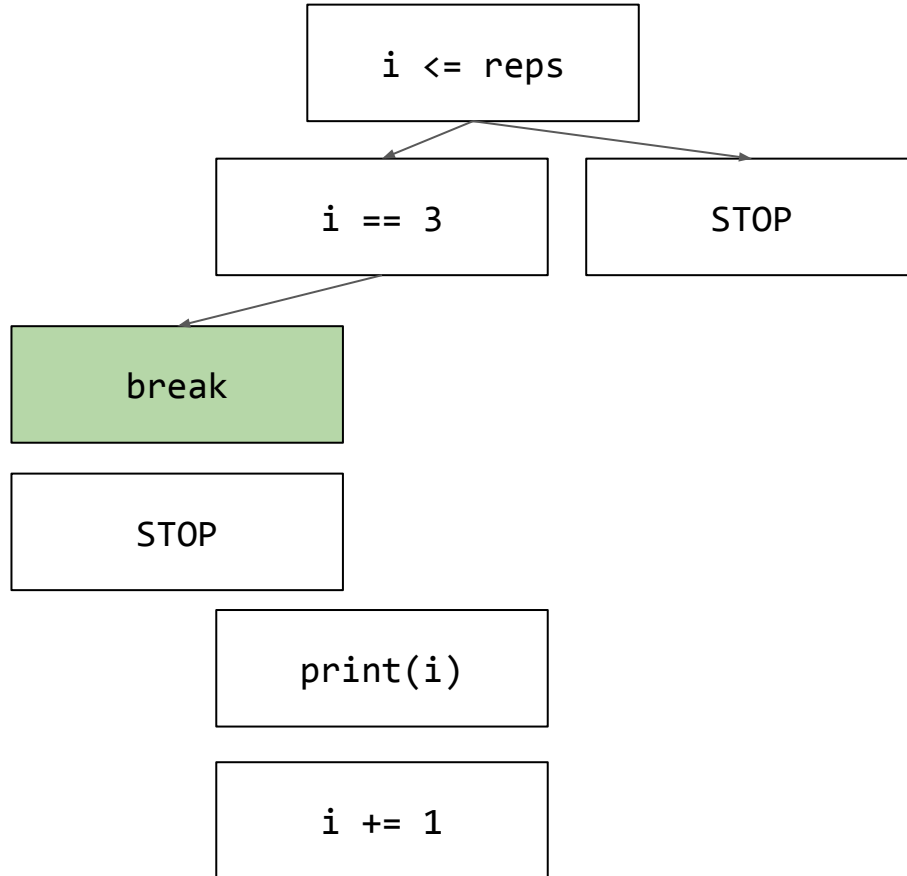
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2

```
# break example  
reps = 5  
i = 1
```

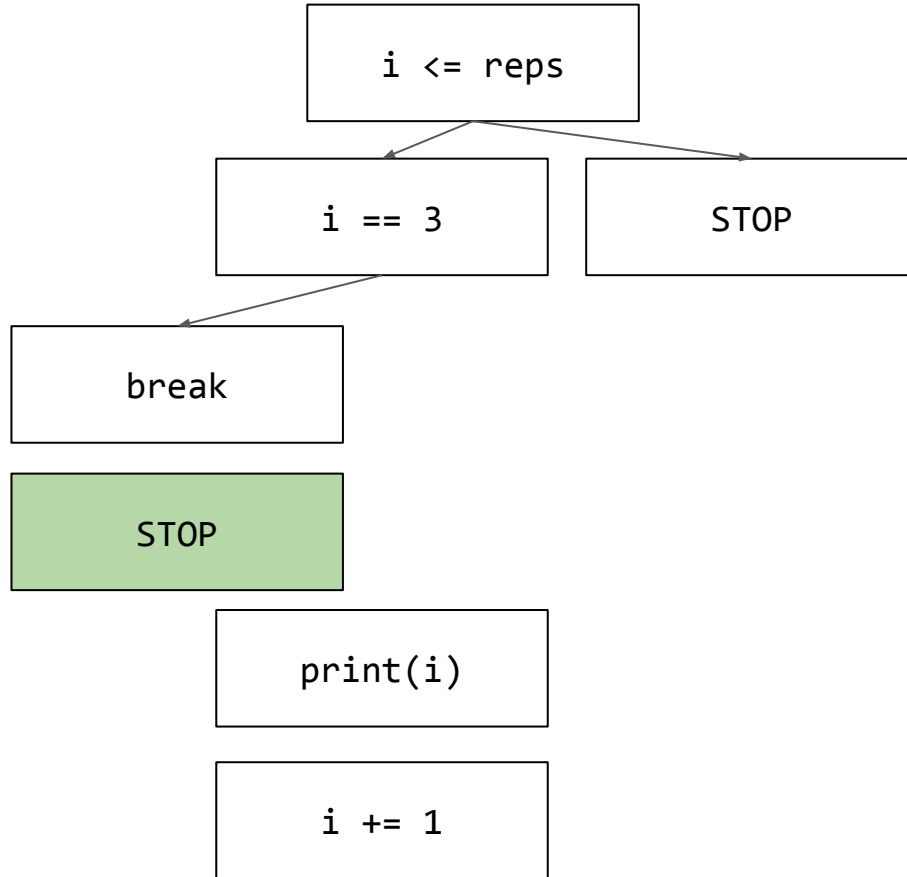
```
while i <= reps:  
    if i == 3:  
        break  
    print(i)  
    i += 1
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2

example 3

```
# continue example  
reps = 5  
i = 1
```

```
while i <= n_reps:  
    i += 1  
    if i == 3:  
        continue  
    print(i)
```

Variables

reps = 5

i = 1

Loop

Output

```
# continue example
reps = 5
i = 1

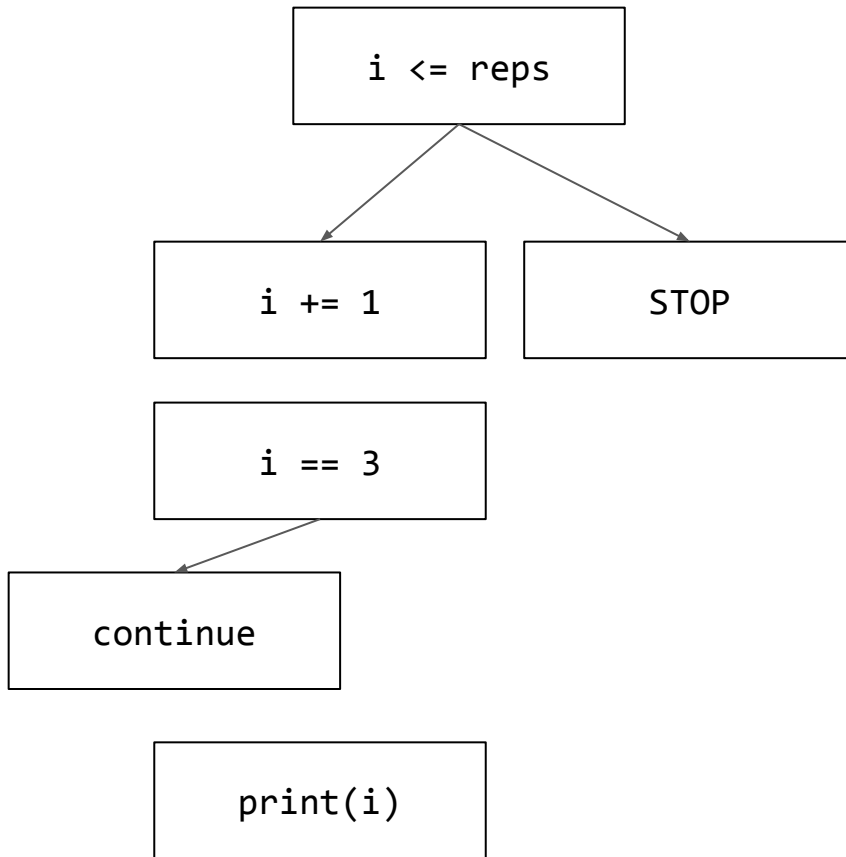
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 1

Loop



Output

```
# continue example  
reps = 5  
i = 1
```

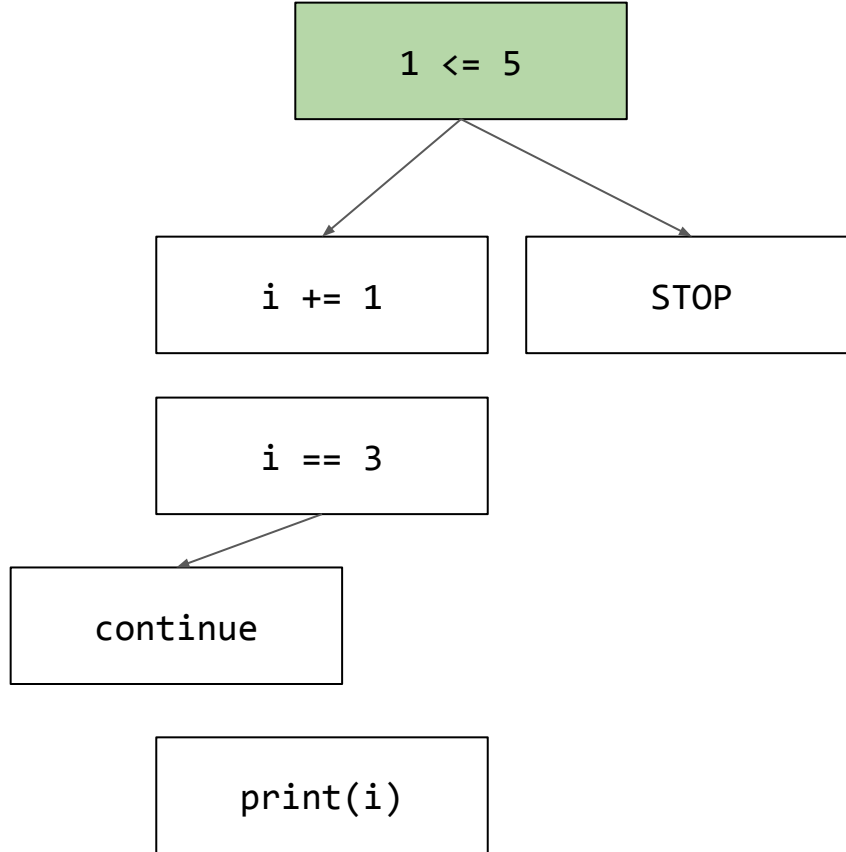
```
while i <= n_reps:  
    i += 1  
    if i == 3:  
        continue  
    print(i)
```

Variables

reps = 5

i = 1

Loop



Output


```
# continue example
reps = 5
i = 1

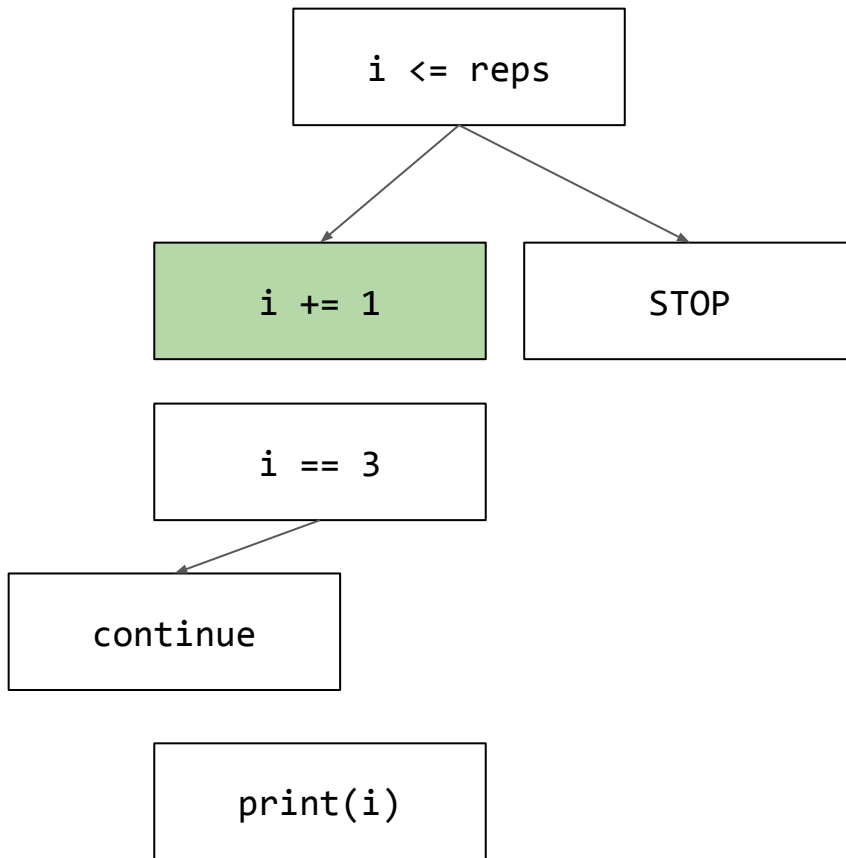
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 1

Loop



Output

```
# continue example
reps = 5
i = 1

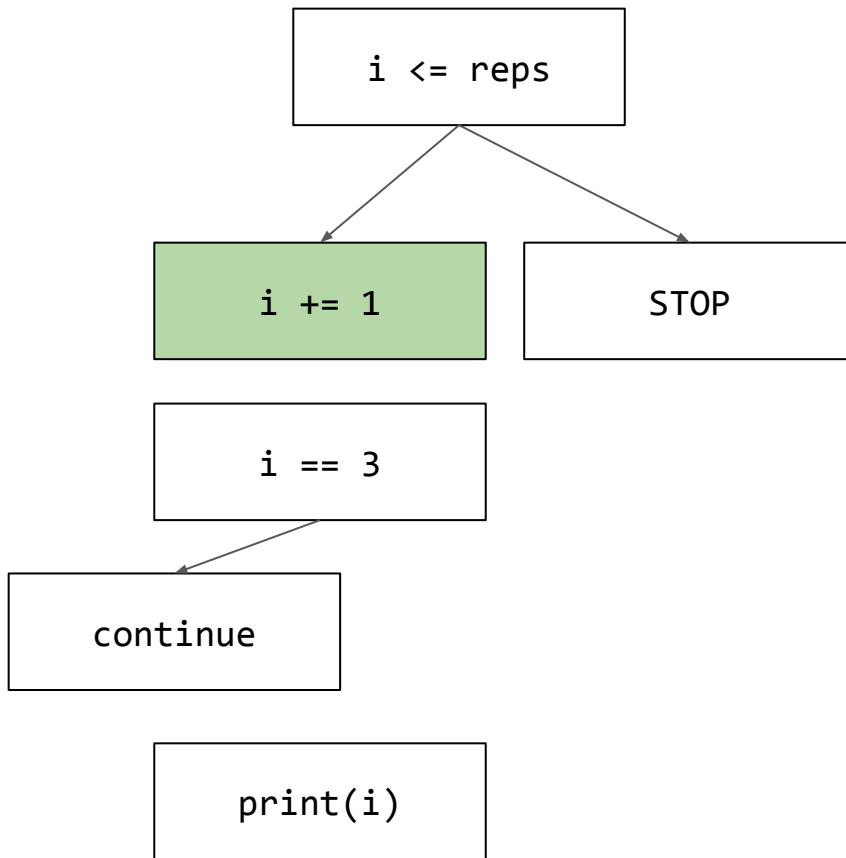
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 2

Loop



Output

```
# continue example
reps = 5
i = 1

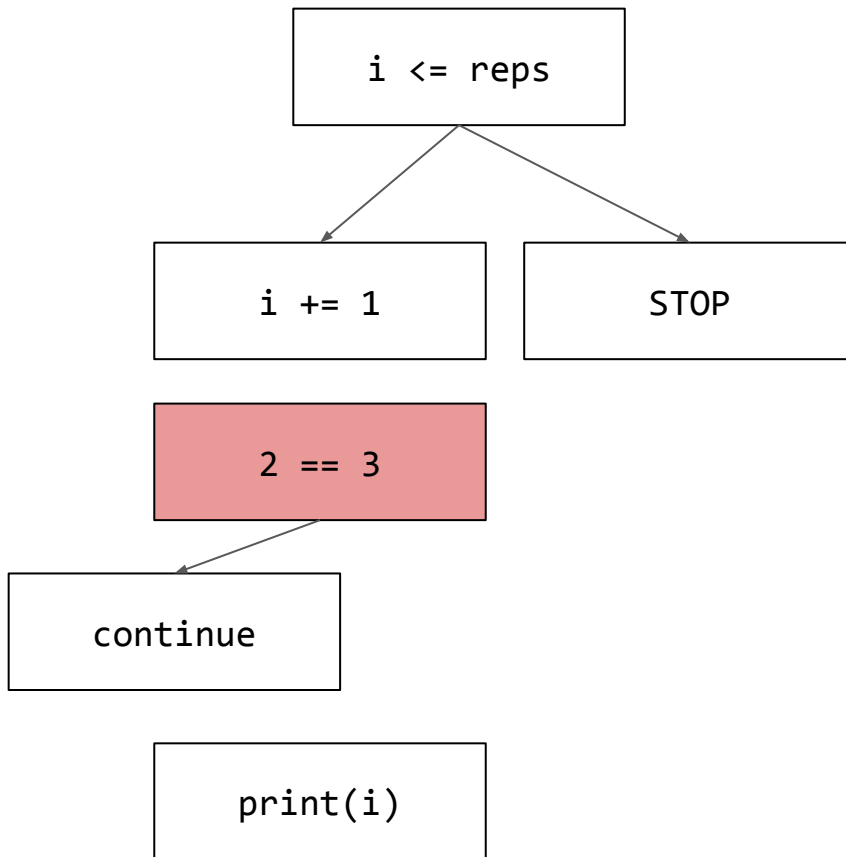
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 2

Loop



Output

```
# continue example
reps = 5
i = 1

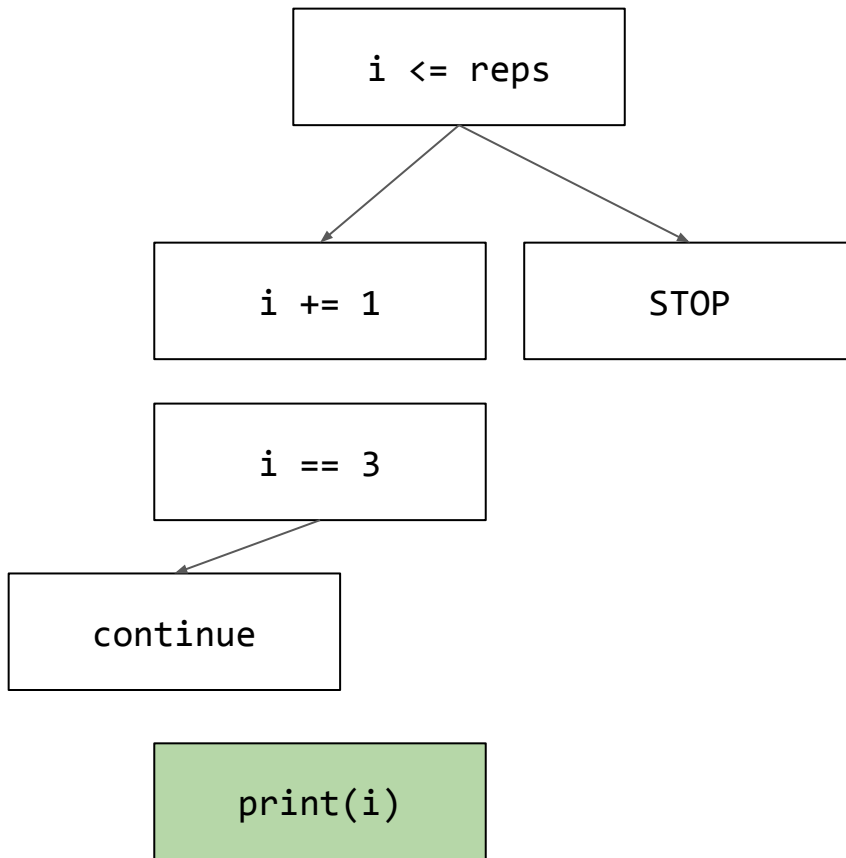
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 2

Loop



Output

> 2

```
# continue example
reps = 5
i = 1

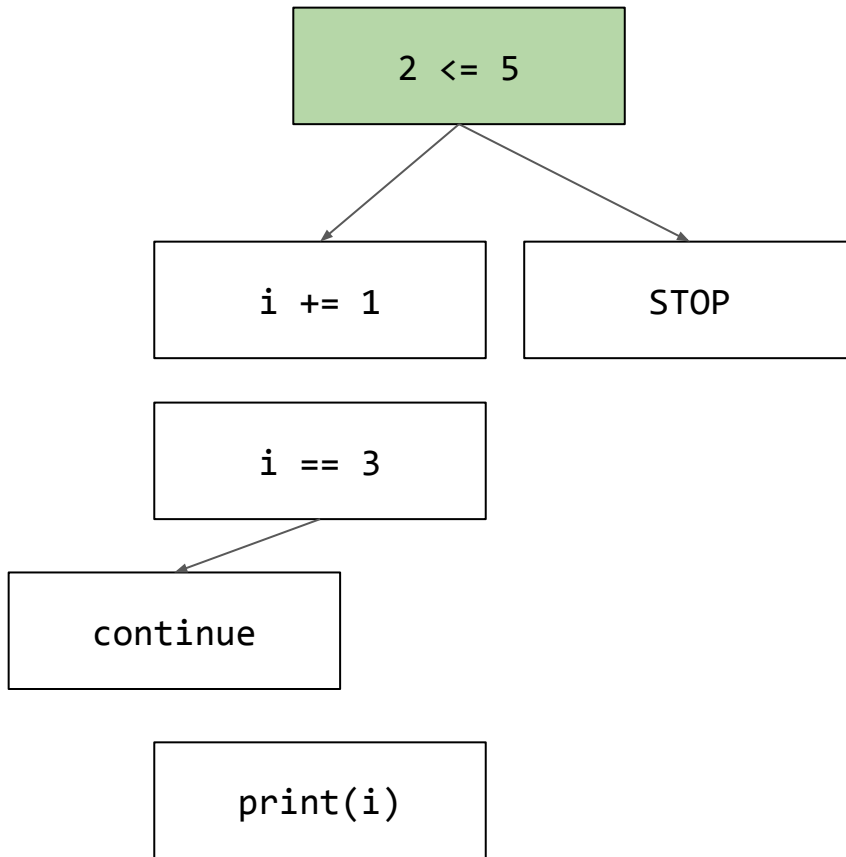
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 2

Loop



Output

> 2

```
# continue example
reps = 5
i = 1

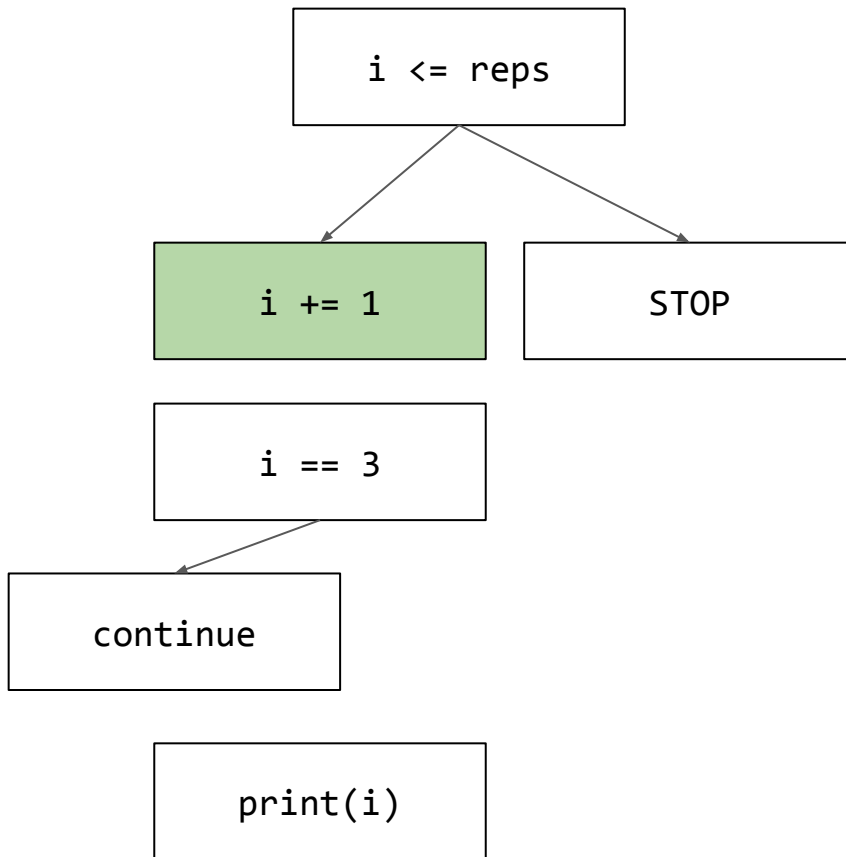
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 2

Loop



Output

> 2

```
# continue example
reps = 5
i = 1

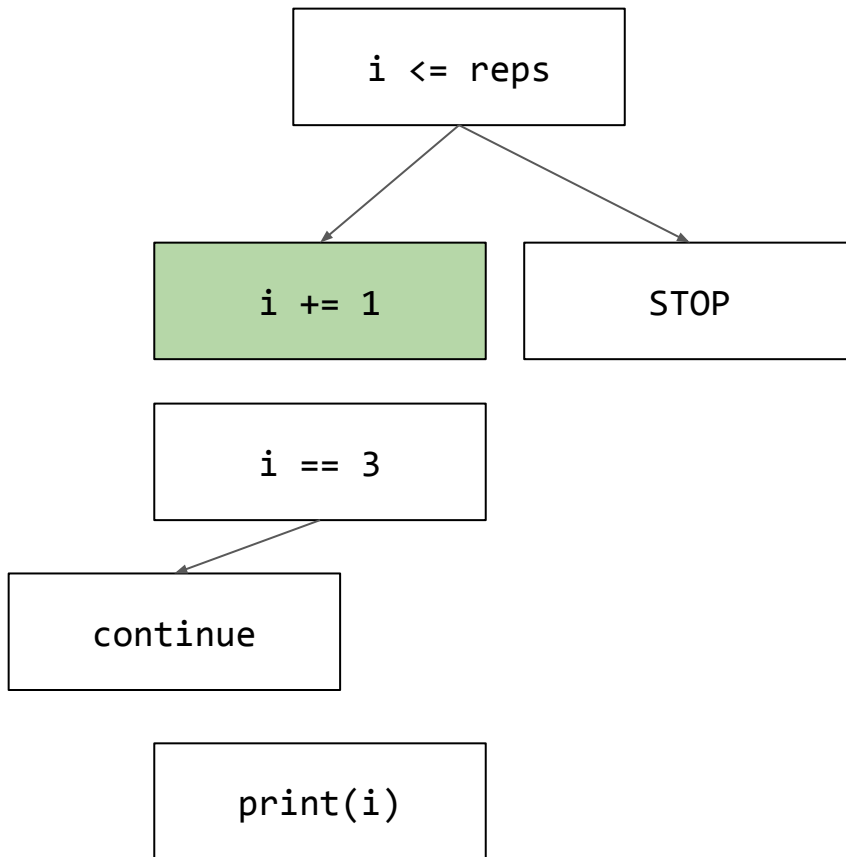
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 3

Loop



Output

> 2

```
# continue example
reps = 5
i = 1

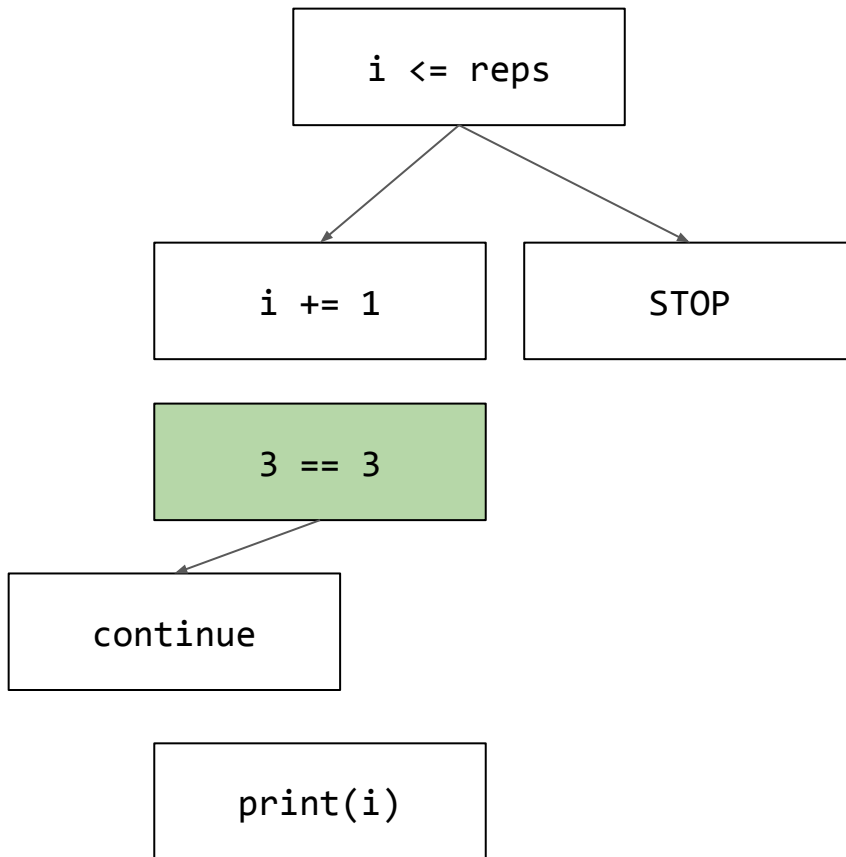
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 3

Loop



Output

> 2


```
# continue example
reps = 5
i = 1

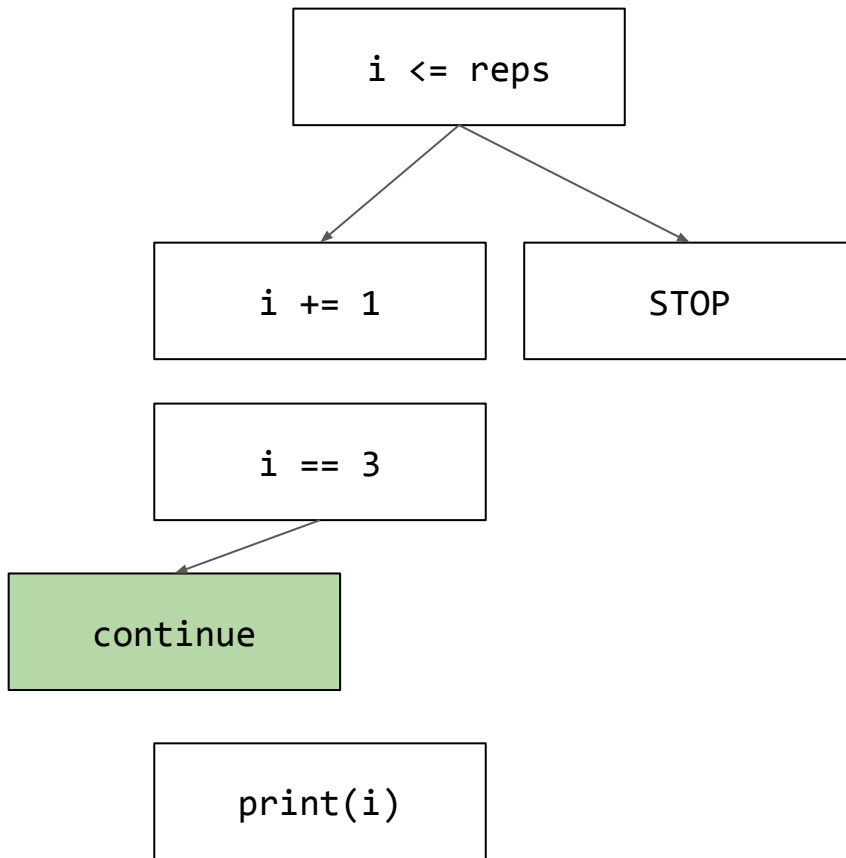
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 3

Loop



Output

> 2

```
# continue example
reps = 5
i = 1

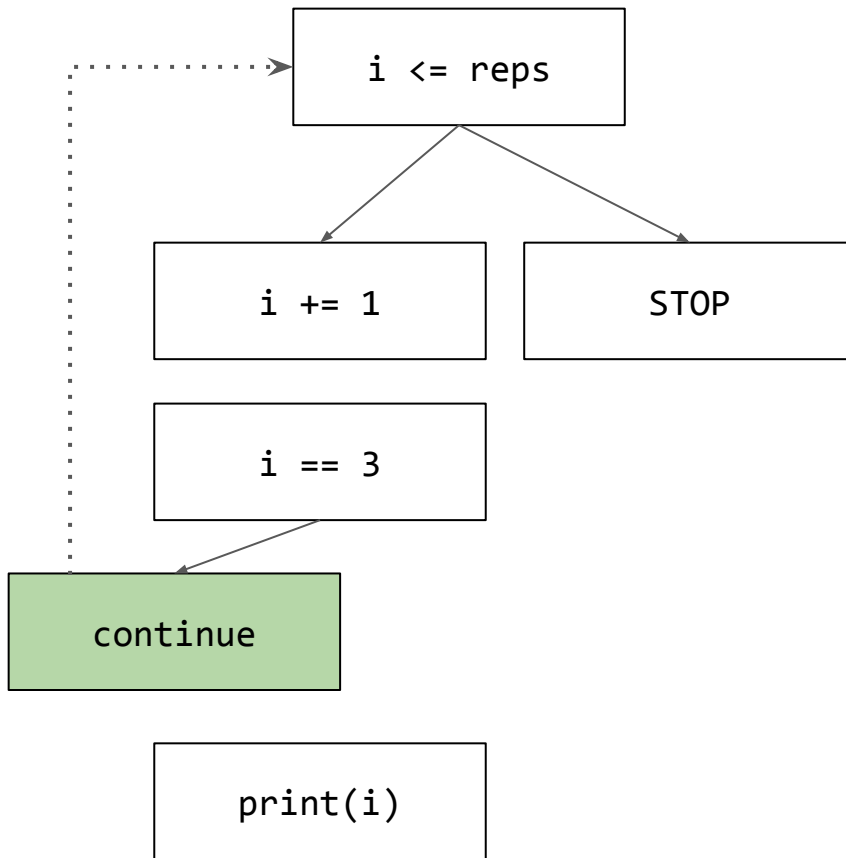
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 3

Loop



Output

> 2

```
# continue example
reps = 5
i = 1

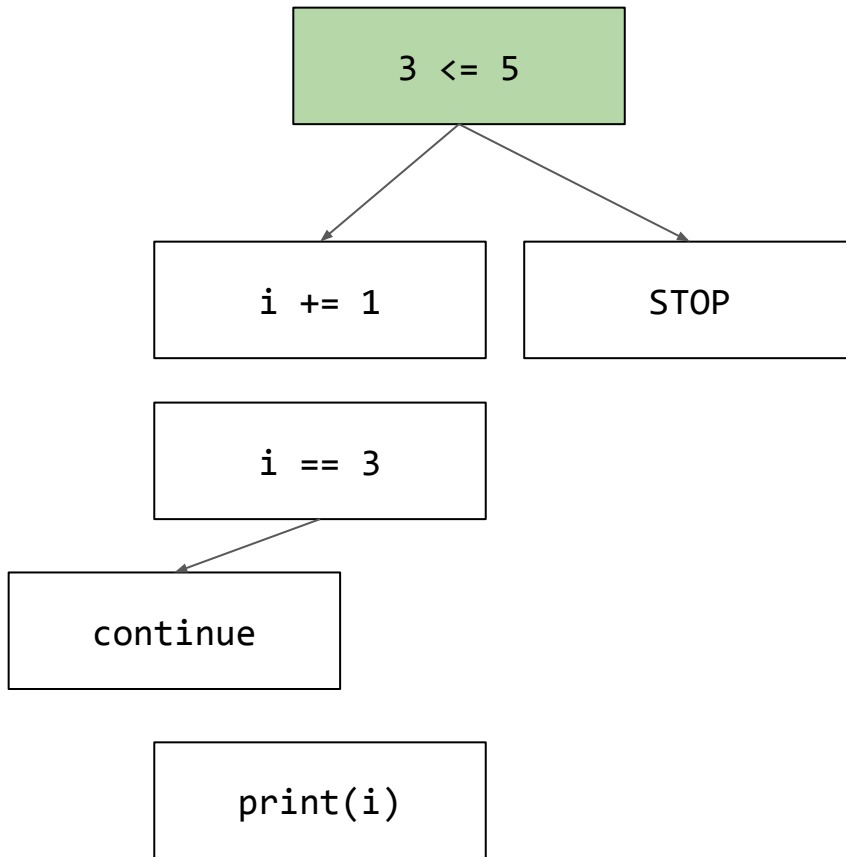
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 3

Loop



Output

> 2

```
# continue example
reps = 5
i = 1

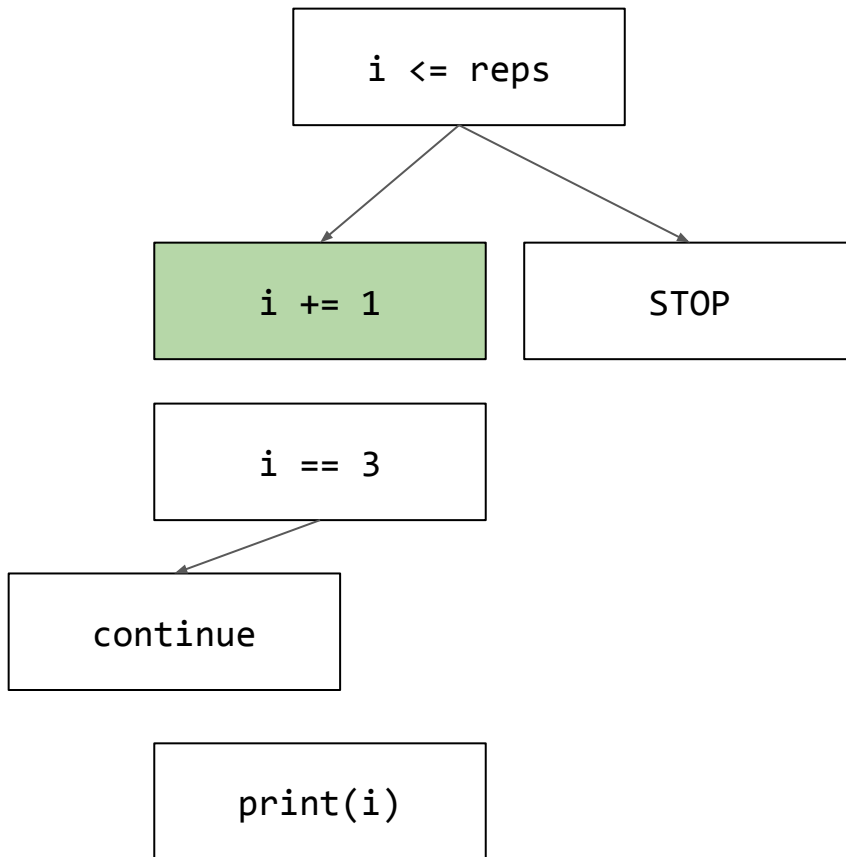
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 3

Loop



Output

> 2

```
# continue example
reps = 5
i = 1

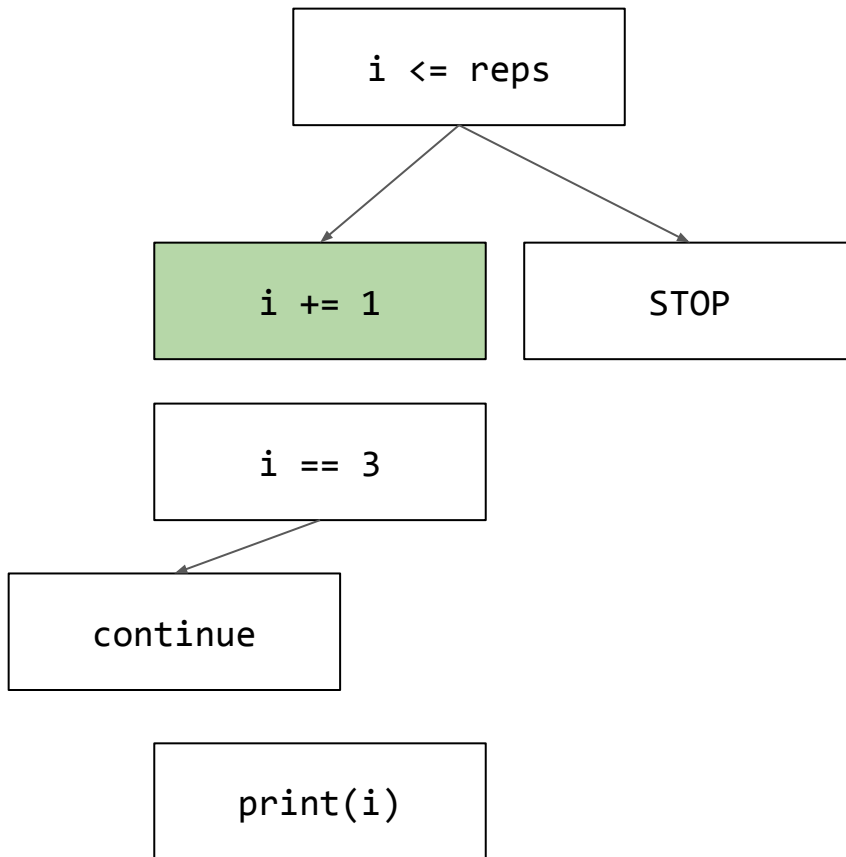
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 4

Loop



Output

> 2

```
# continue example
reps = 5
i = 1

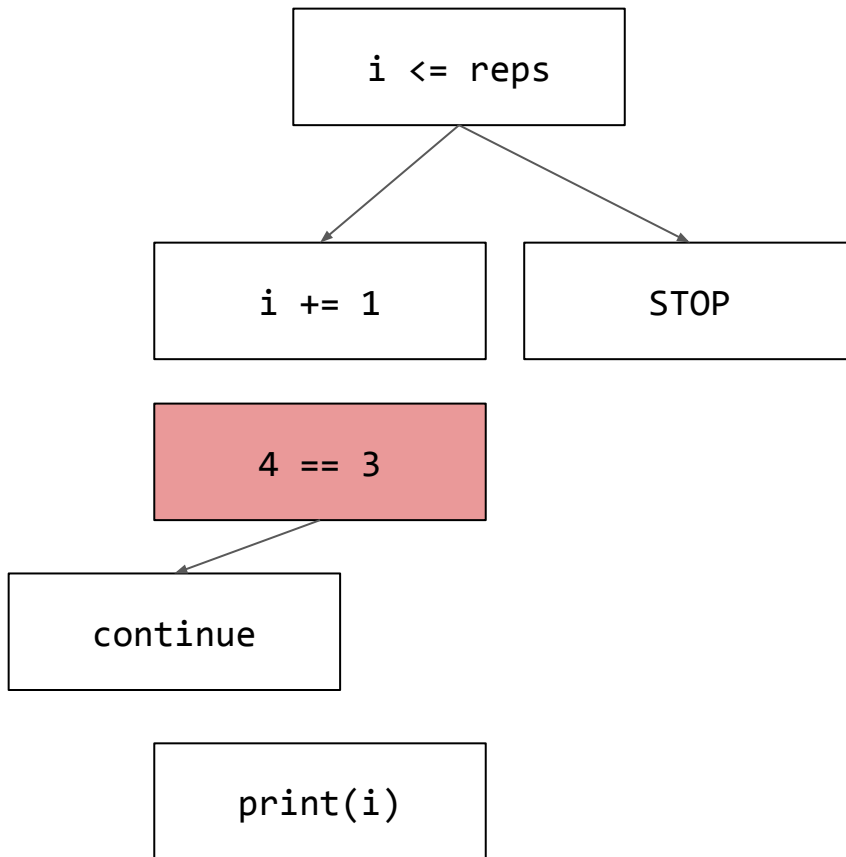
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 4

Loop



Output

> 2

```
# continue example
reps = 5
i = 1

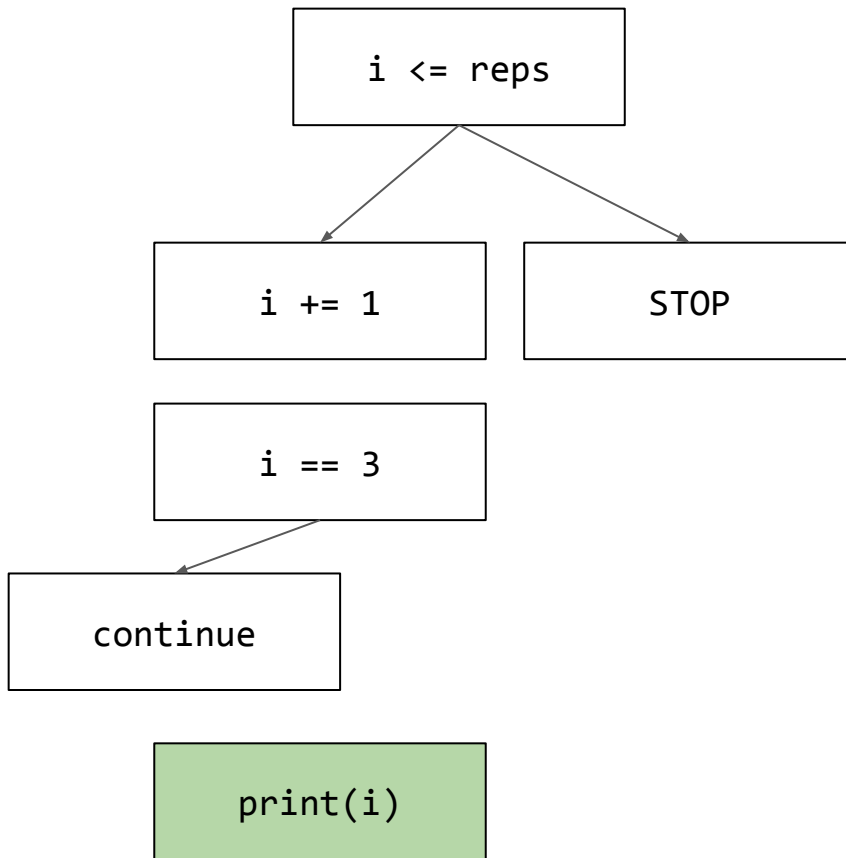
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 4

Loop



Output

> 2
> 4

```
# continue example
reps = 5
i = 1

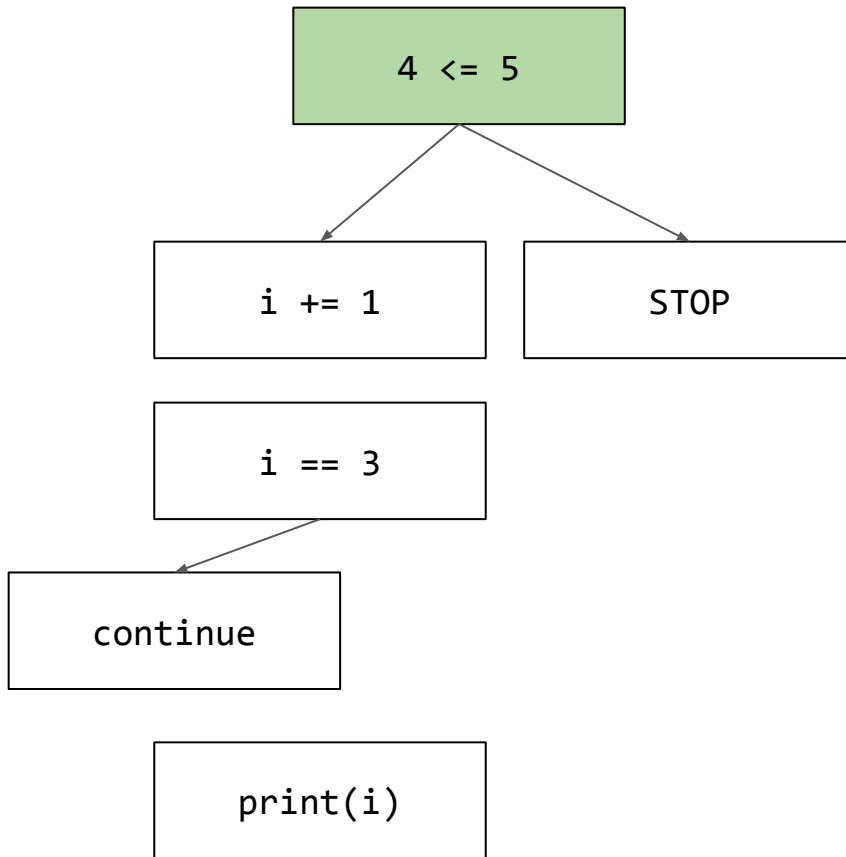
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 4

Loop



Output

> 2
> 4


```
# continue example
reps = 5
i = 1

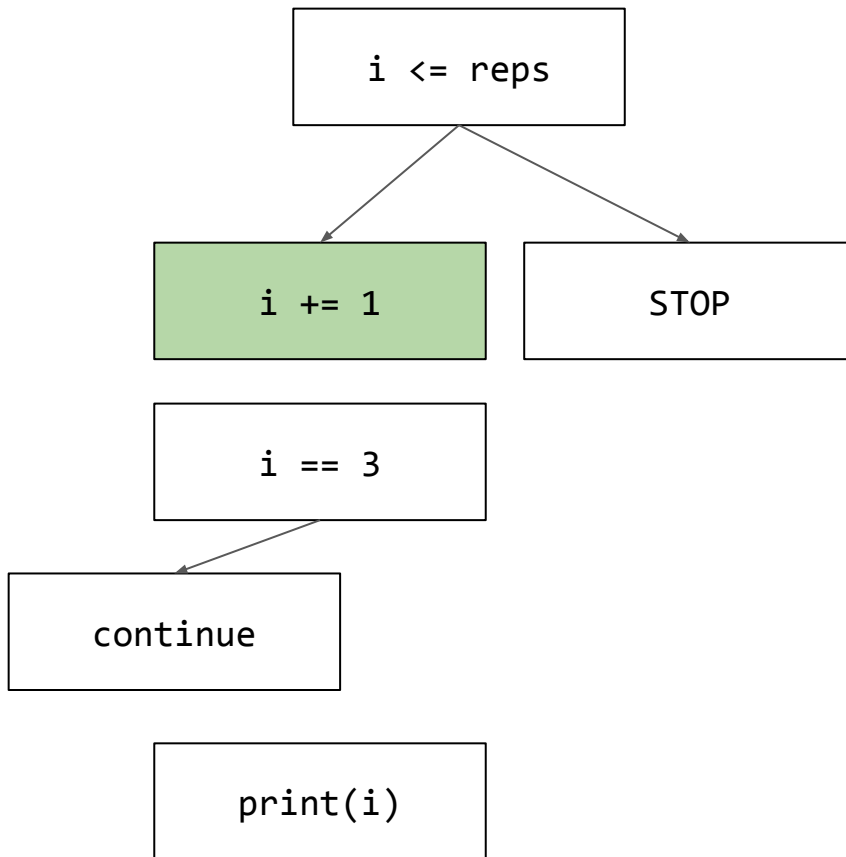
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 4

Loop



Output

> 2
> 4

```
# continue example
reps = 5
i = 1

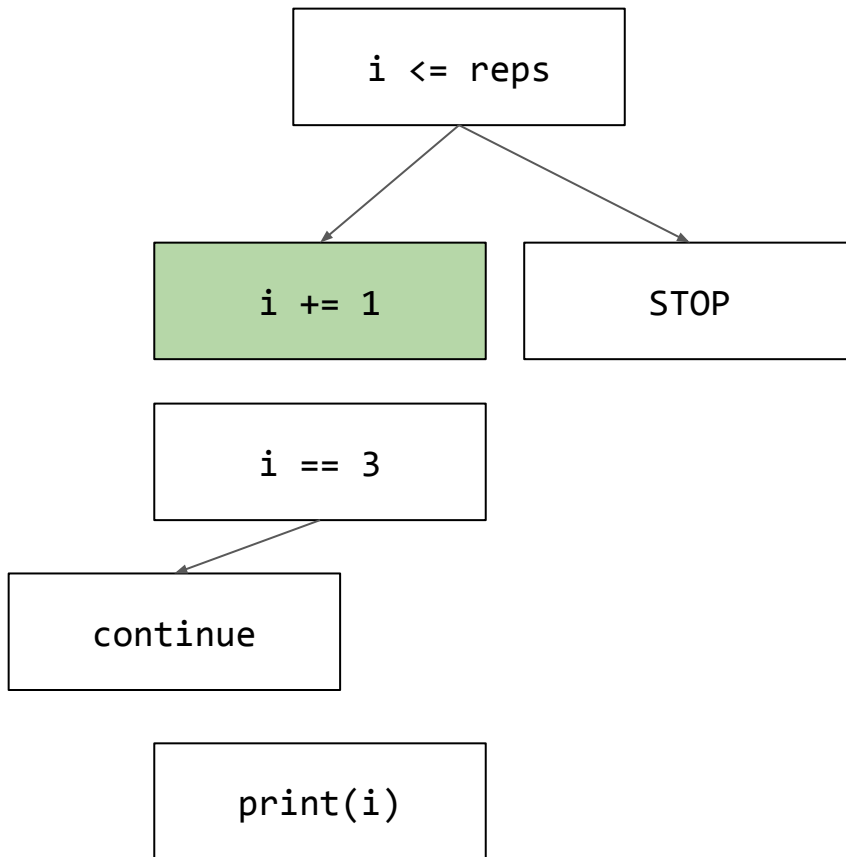
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 5

Loop



Output

> 2
> 4

```
# continue example
reps = 5
i = 1

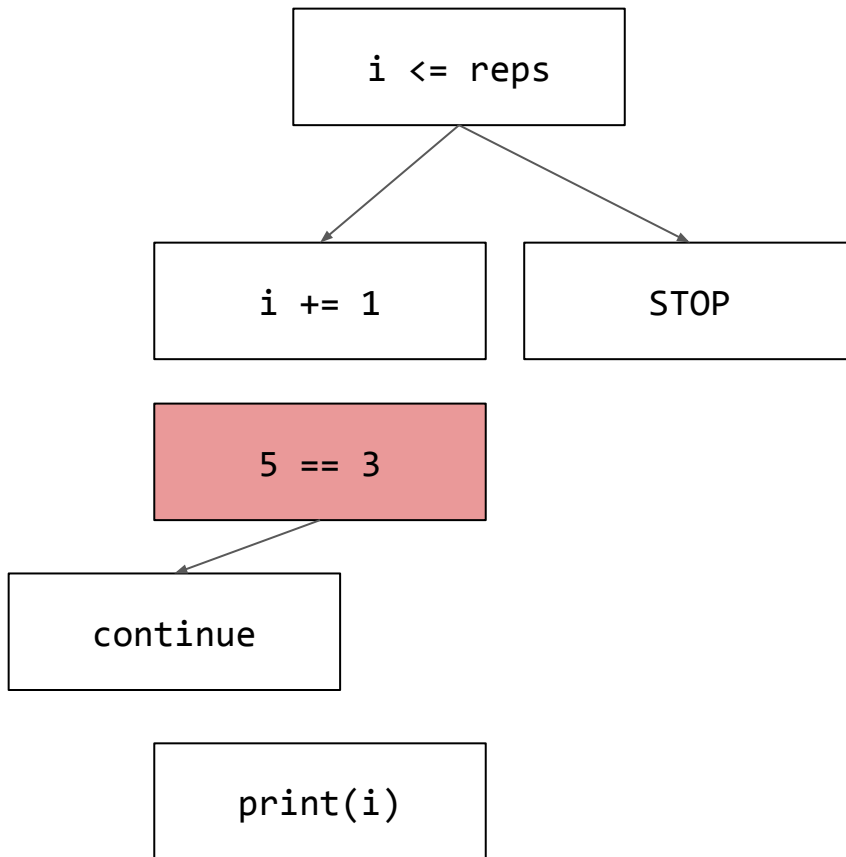
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 5

Loop



Output

> 2
> 4

```
# continue example
reps = 5
i = 1

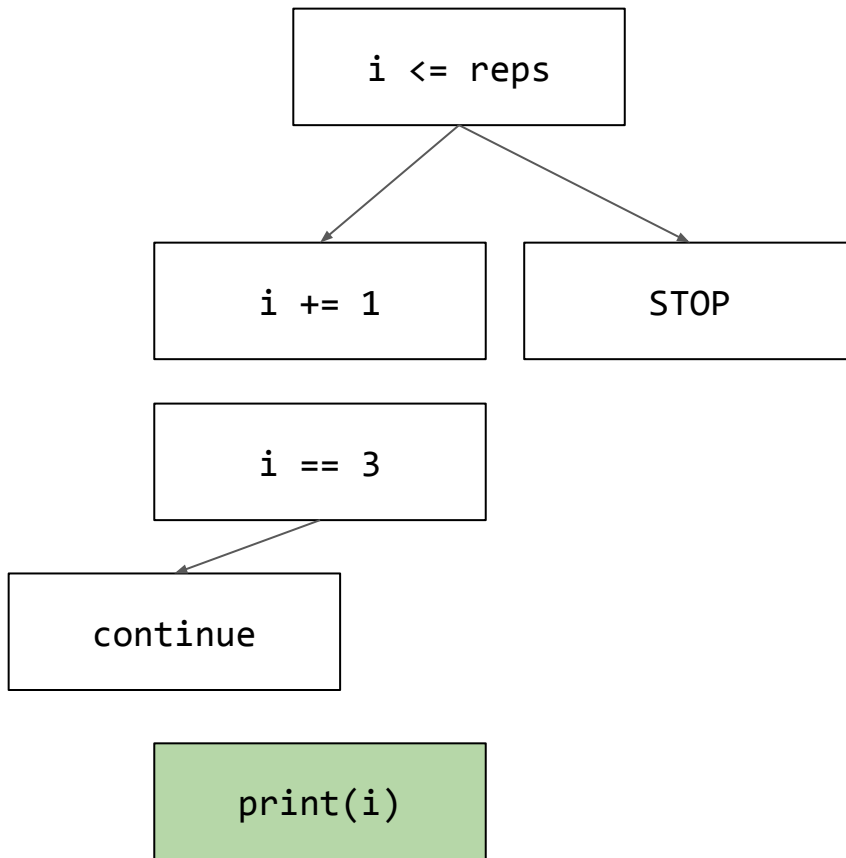
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 5

Loop



Output

> 2
> 4
> 5

```
# continue example
reps = 5
i = 1

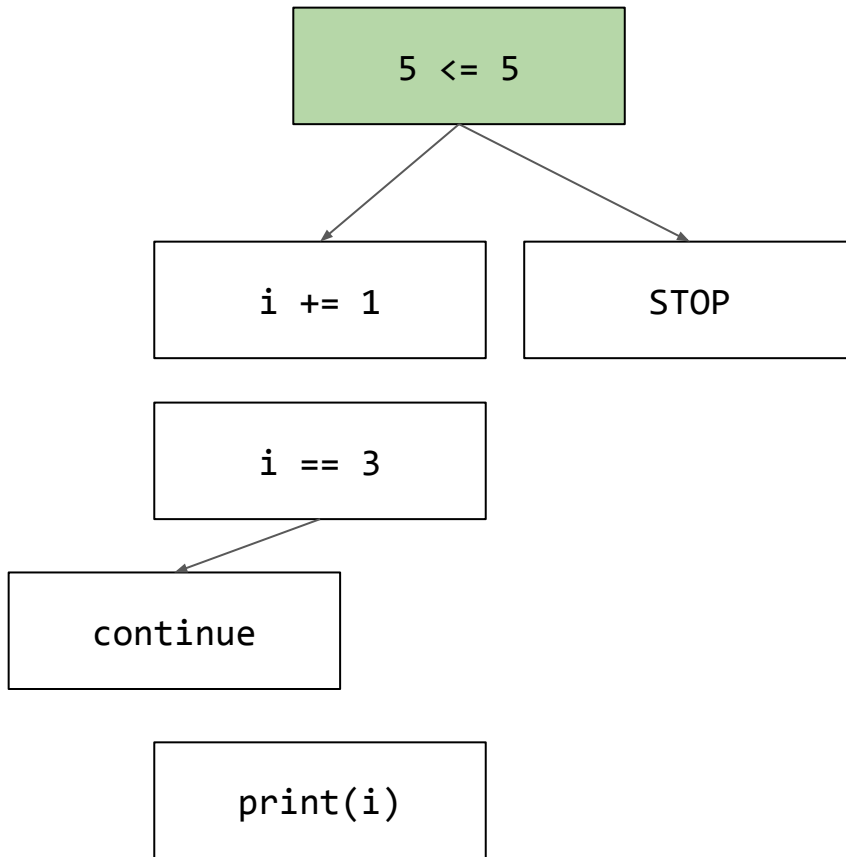
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 5

Loop



Output

> 2
> 4
> 5

```
# continue example
reps = 5
i = 1

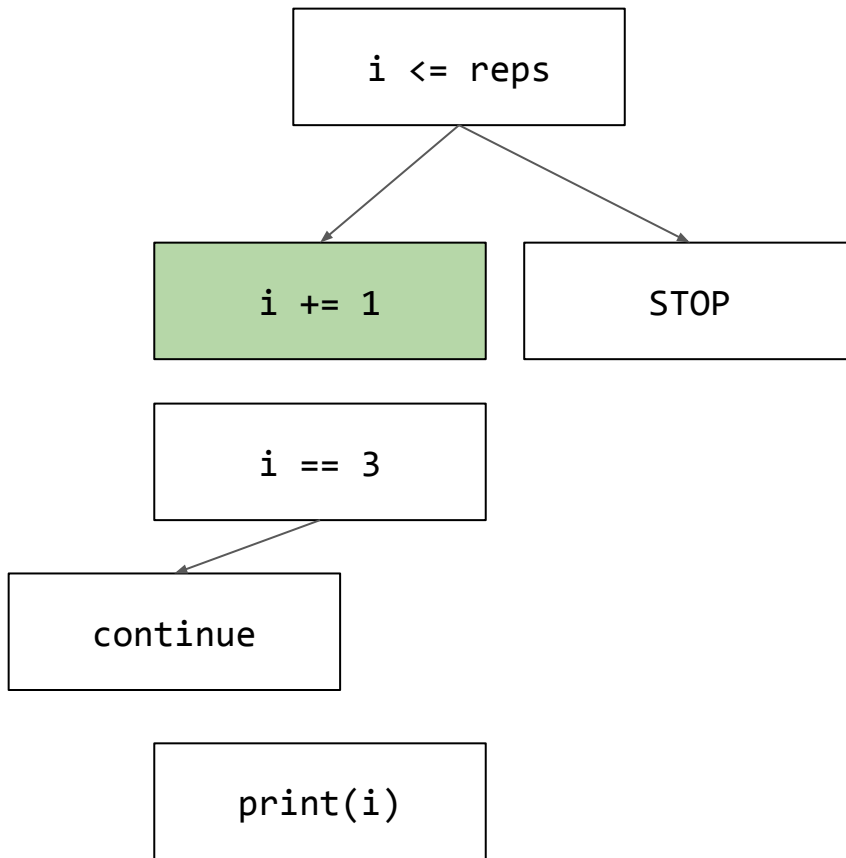
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 5

Loop



Output

> 2
> 4
> 5

```
# continue example
reps = 5
i = 1

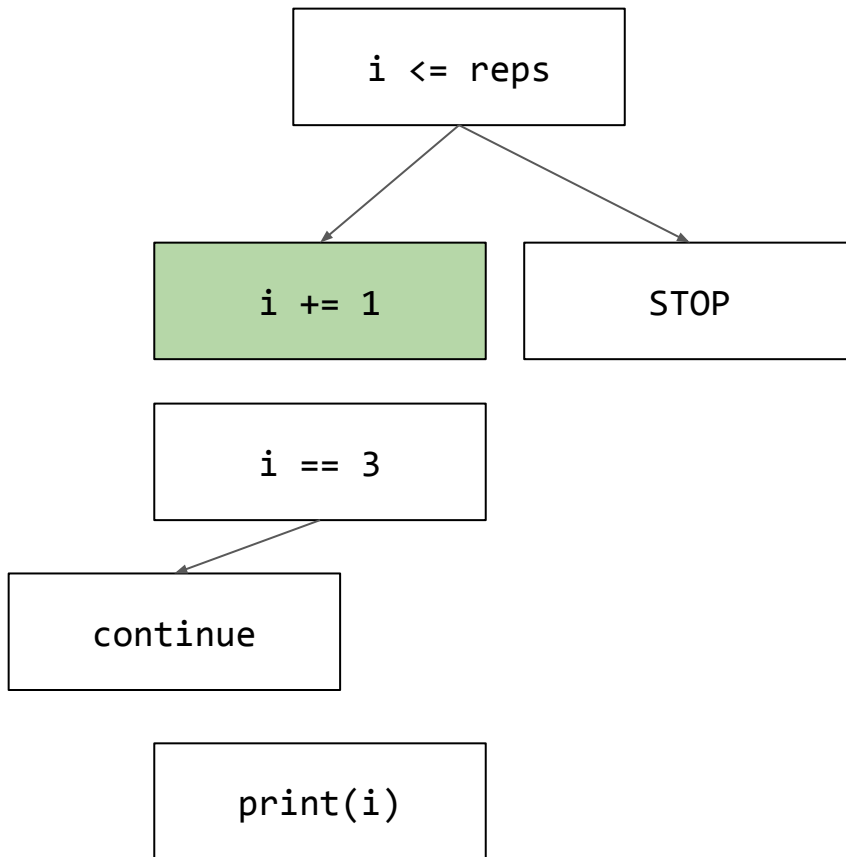
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 6

Loop



Output

> 2
> 4
> 5

```
# continue example
reps = 5
i = 1

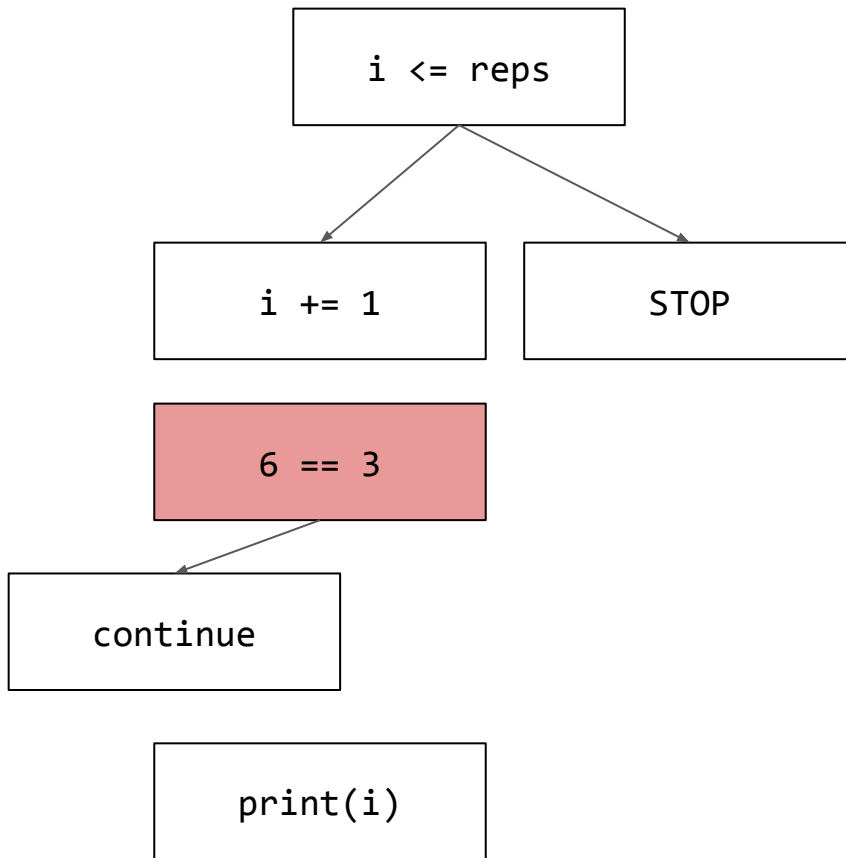
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 6

Loop



Output

> 2
> 4
> 5


```
# continue example
reps = 5
i = 1

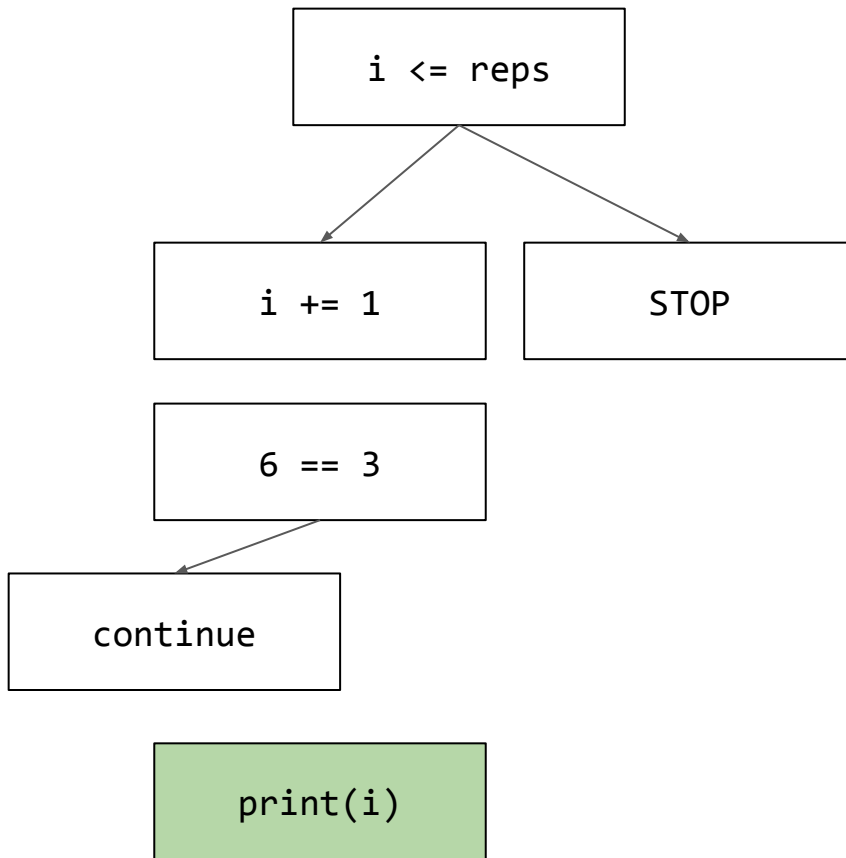
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 6

Loop



Output

> 2
> 4
> 5
> 6

```
# continue example
reps = 5
i = 1

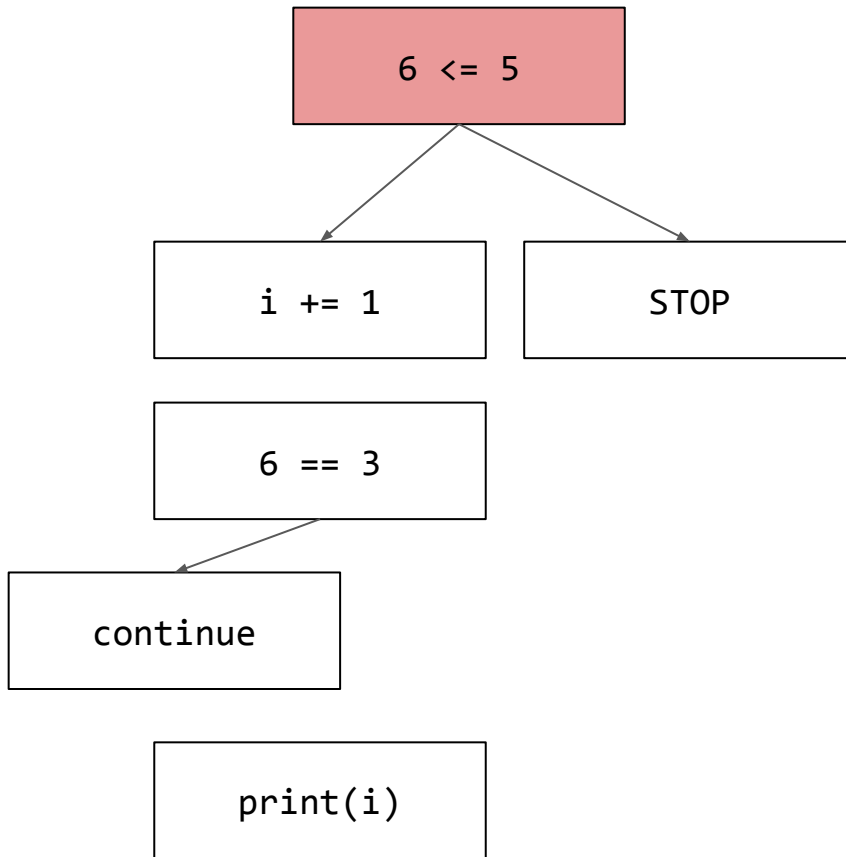
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 6

Loop



Output

> 2
> 4
> 5
> 6

```
# continue example
reps = 5
i = 1

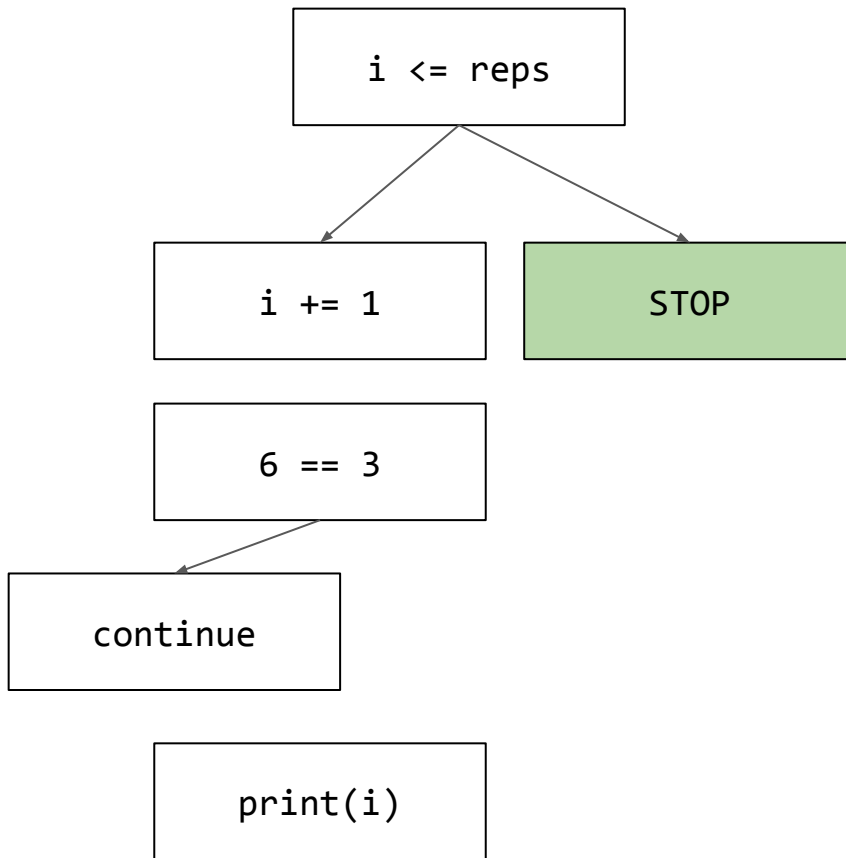
while i <= n_reps:
    i += 1
    if i == 3:
        continue
    print(i)
```

Variables

reps = 5

i = 6

Loop



Output

> 2
> 4
> 5
> 6

example 4

```
# else example without break
reps = 3
i = 1

while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 1

Loop

Output

```
# else example without break
reps = 3
i = 1

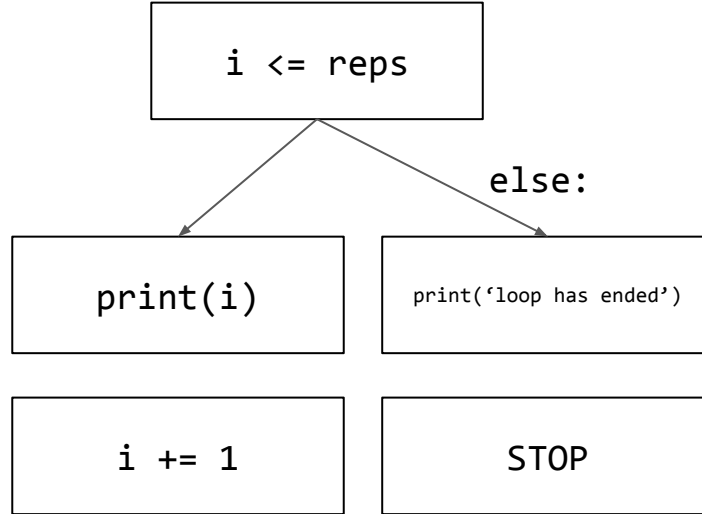
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 1

Loop



Output

```
# else example without break
reps = 3
i = 1

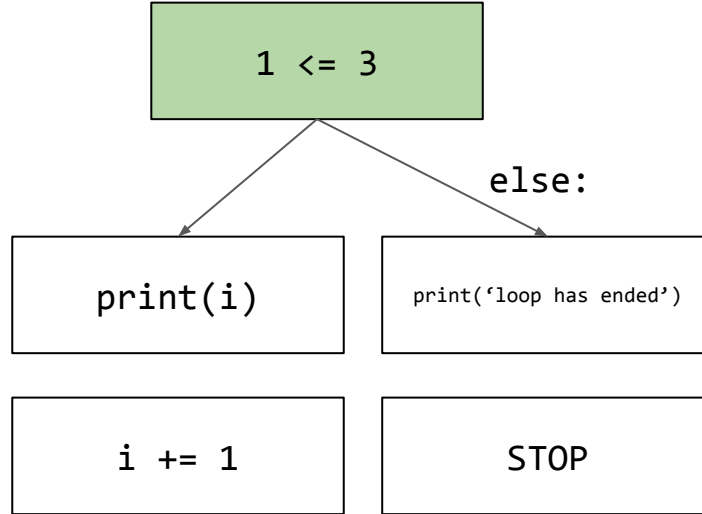
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 1

Loop



Output

```
# else example without break
reps = 3
i = 1

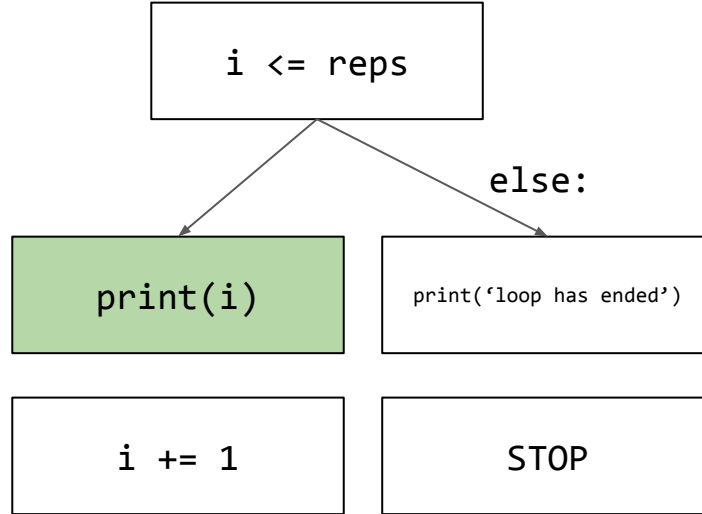
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 1

Loop



Output

> 1


```
# else example without break
reps = 3
i = 1

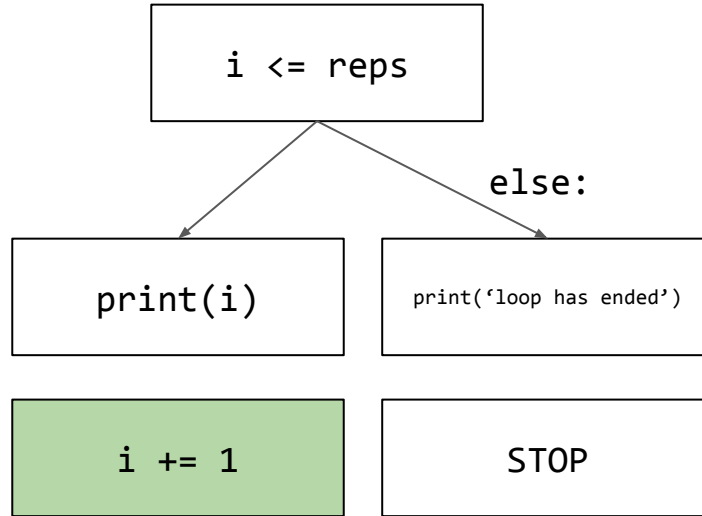
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 1

Loop



Output

> 1

```
# else example without break
reps = 3
i = 1

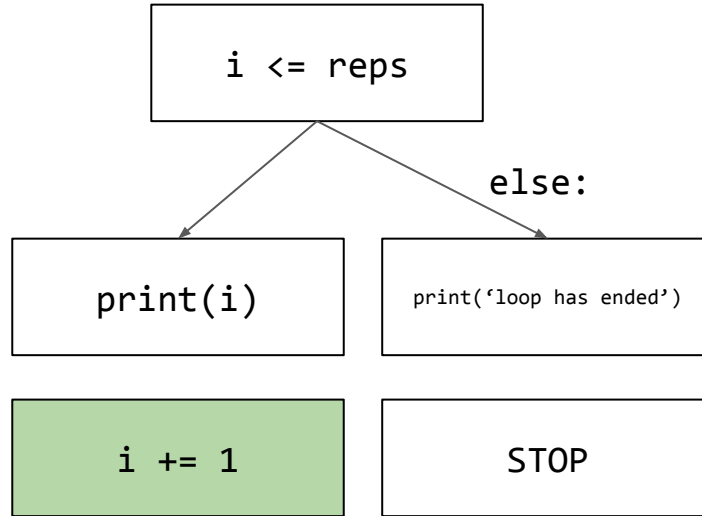
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 2

Loop



Output

> 1

```
# else example without break
reps = 3
i = 1

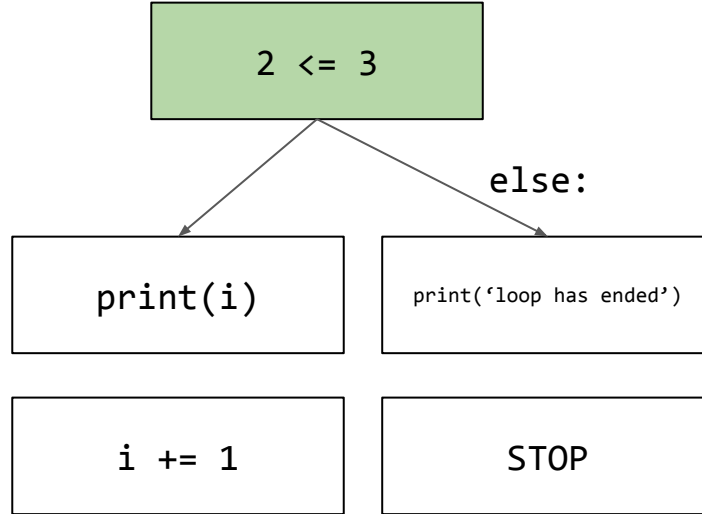
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 2

Loop



Output

> 1

```
# else example without break
reps = 3
i = 1

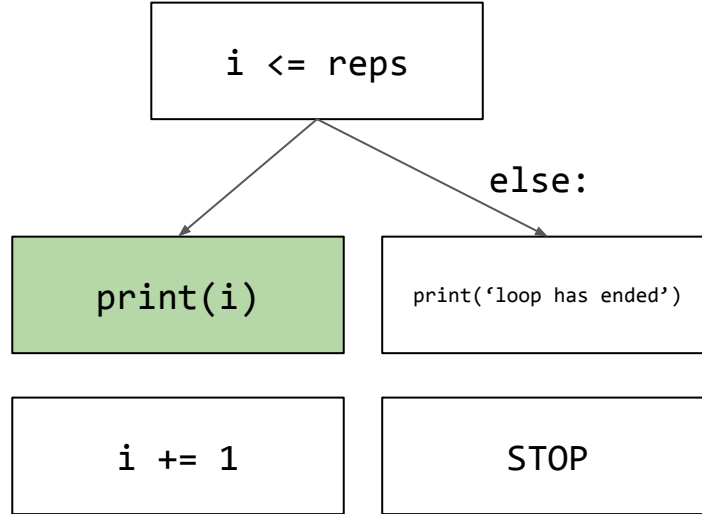
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 2

Loop



Output

> 1
> 2

```
# else example without break
reps = 3
i = 1

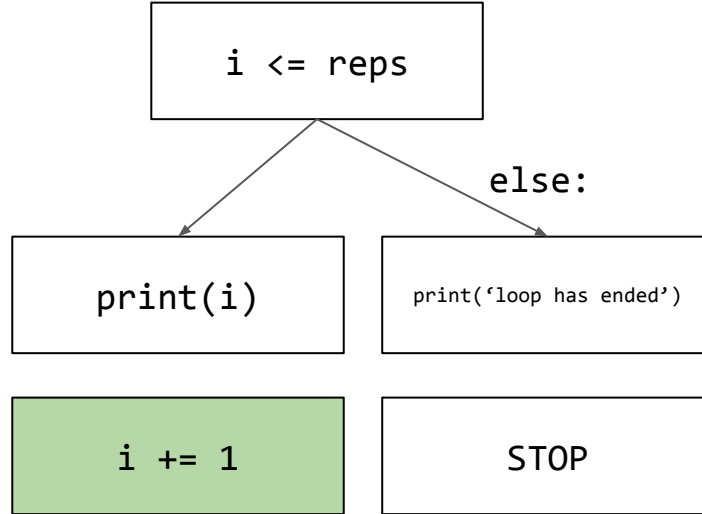
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 2

Loop



Output

> 1
> 2

```
# else example without break
reps = 3
i = 1

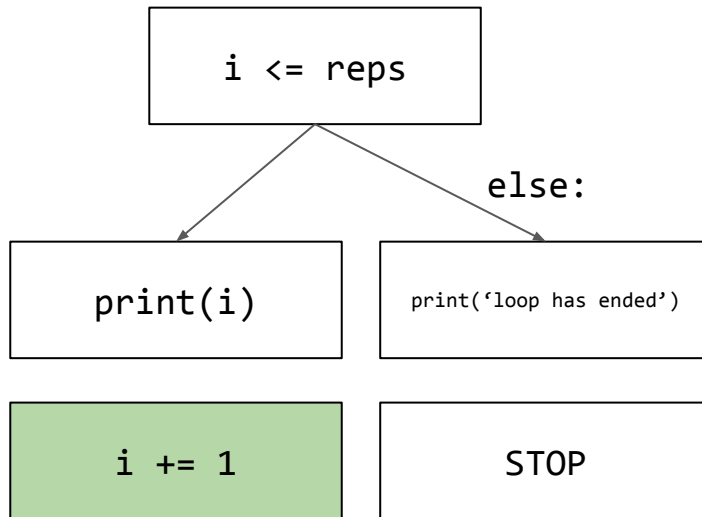
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 3

Loop



Output

> 1
> 2

```
# else example without break
reps = 3
i = 1

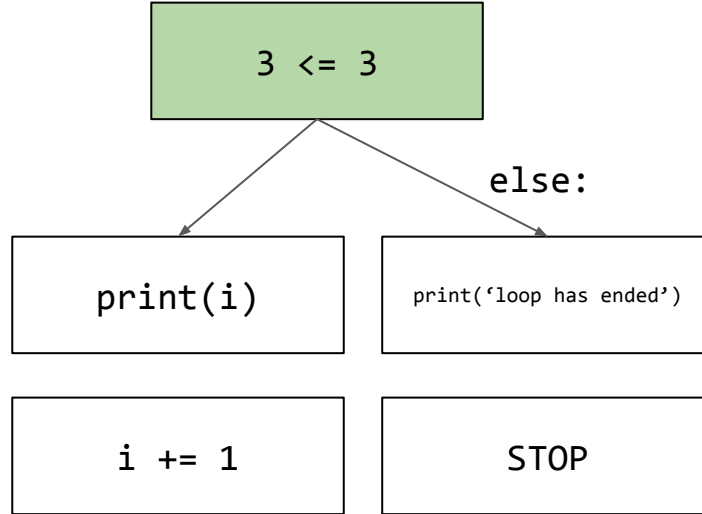
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 3

Loop



Output

> 1

> 2

```
# else example without break
reps = 3
i = 1

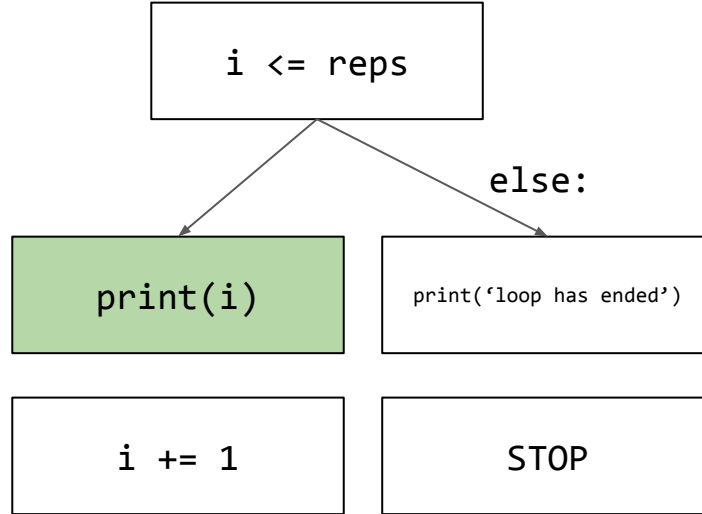
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 3

Loop



Output

> 1
> 2
> 3


```
# else example without break
reps = 3
i = 1

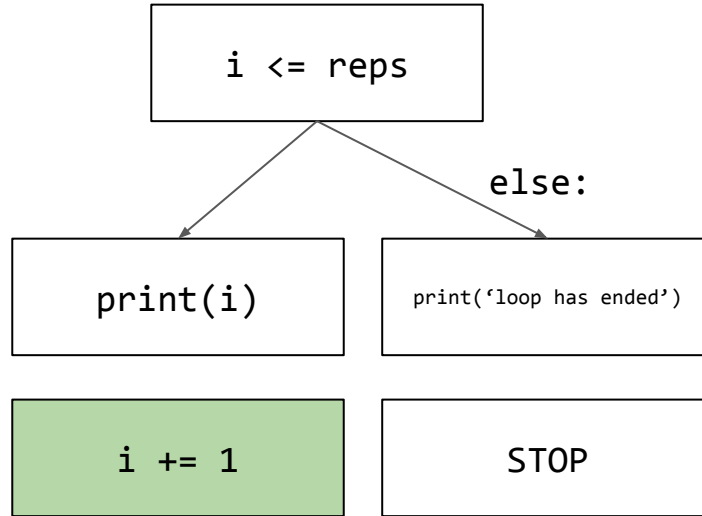
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 3

Loop



Output

> 1
> 2
> 3

```
# else example without break
reps = 3
i = 1

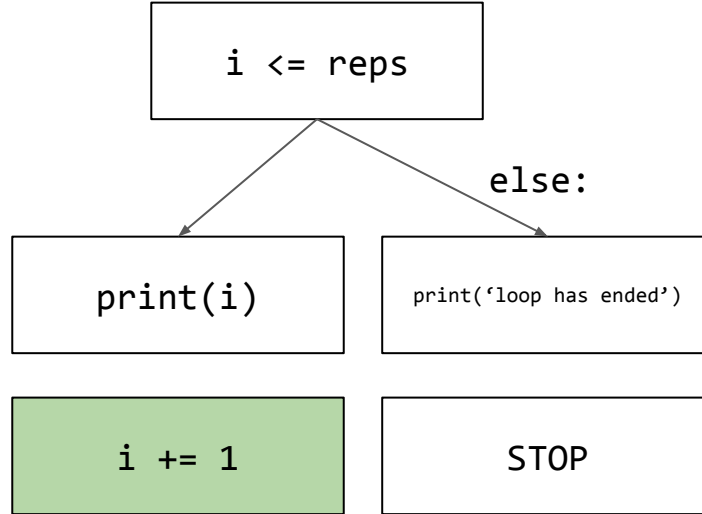
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 4

Loop



Output

> 1
> 2
> 3

```
# else example without break
reps = 3
i = 1

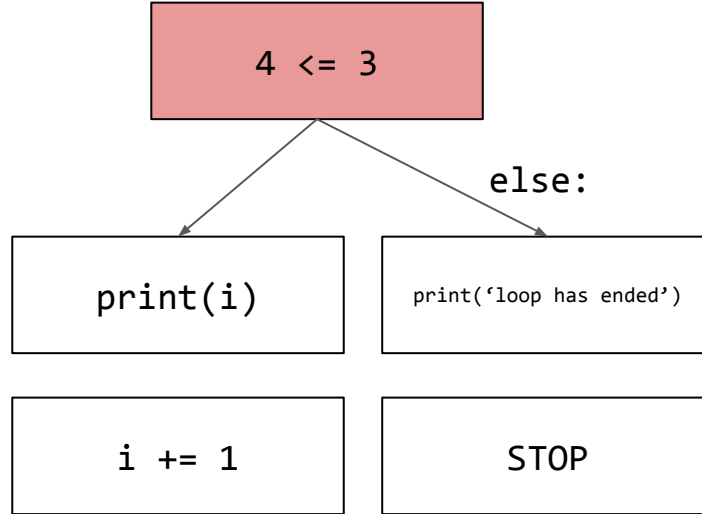
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 4

Loop



Output

> 1
> 2
> 3

```
# else example without break
reps = 3
i = 1

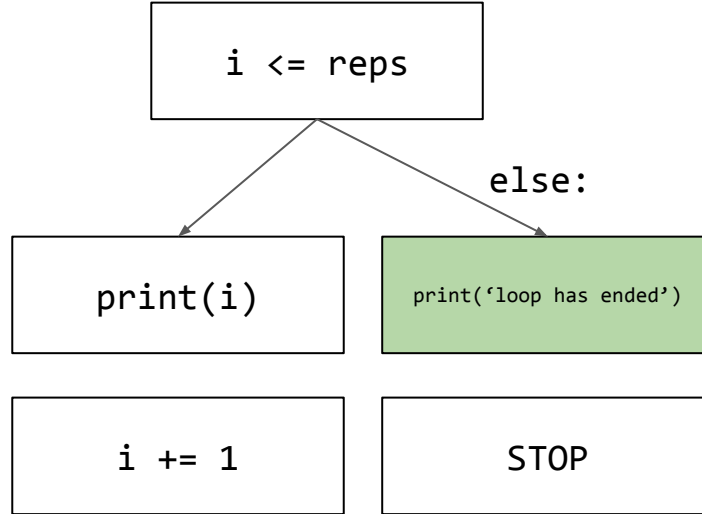
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 4

Loop



Output

```
> 1
> 2
> 3
> 'loop has ended'
```

```
# else example without break
reps = 3
i = 1

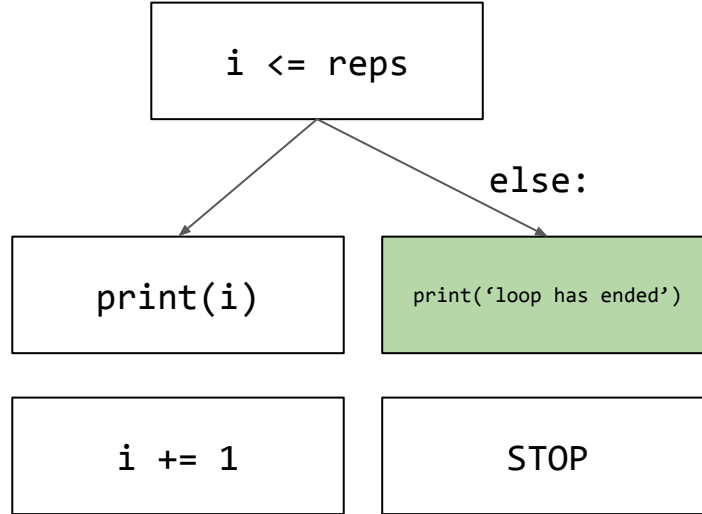
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 4

Loop



Output

```
> 1
> 2
> 3
> 'loop has ended'
```

```
# else example without break
reps = 3
i = 1

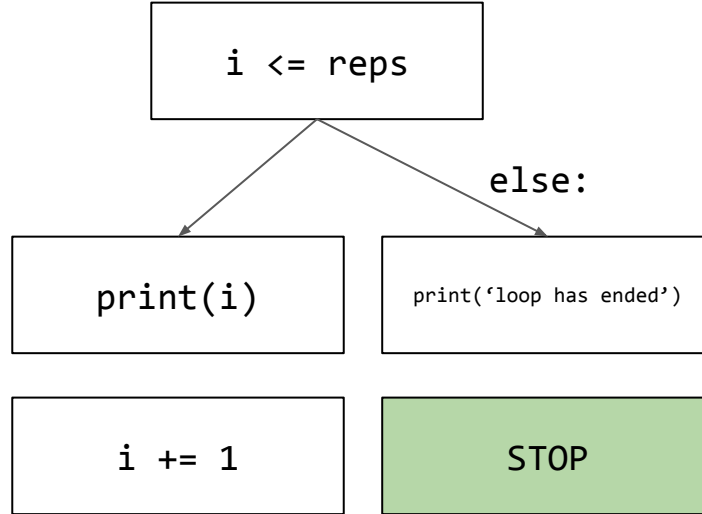
while i <= reps:
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 3

i = 4

Loop



Output

```
> 1
> 2
> 3
> 'loop has ended'
```

example 5

```
# else example with break
reps = 5
i = 1

while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 1

Loop

Output


```
# else example with break
reps = 5
i = 1

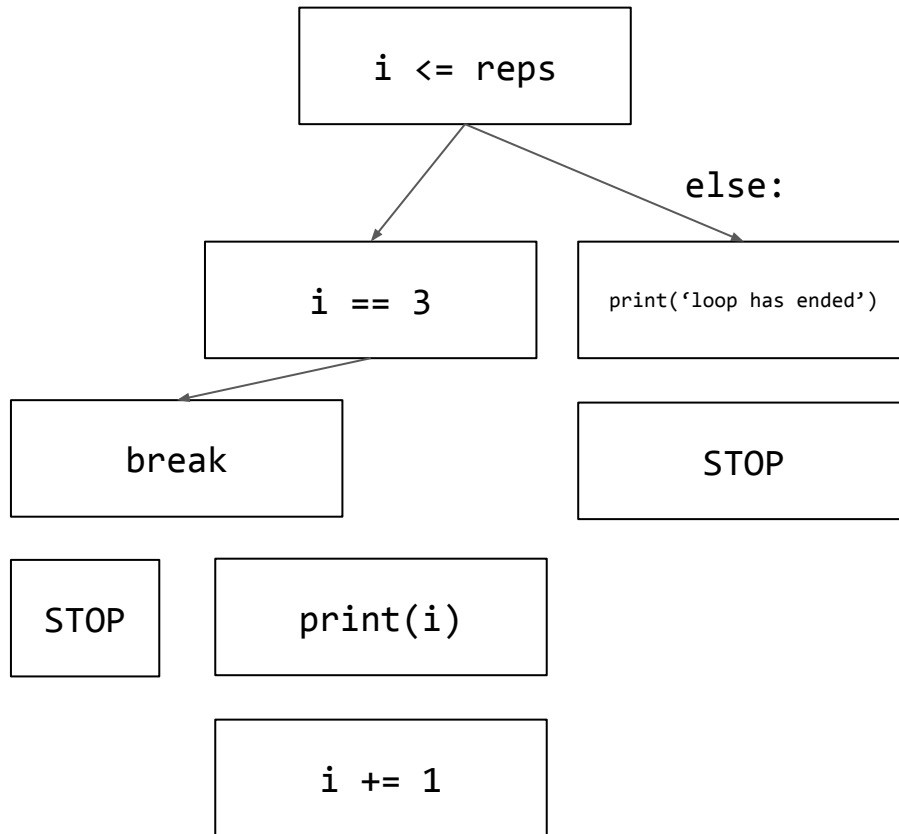
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 1

Loop



Output

```
# else example with break
reps = 5
i = 1

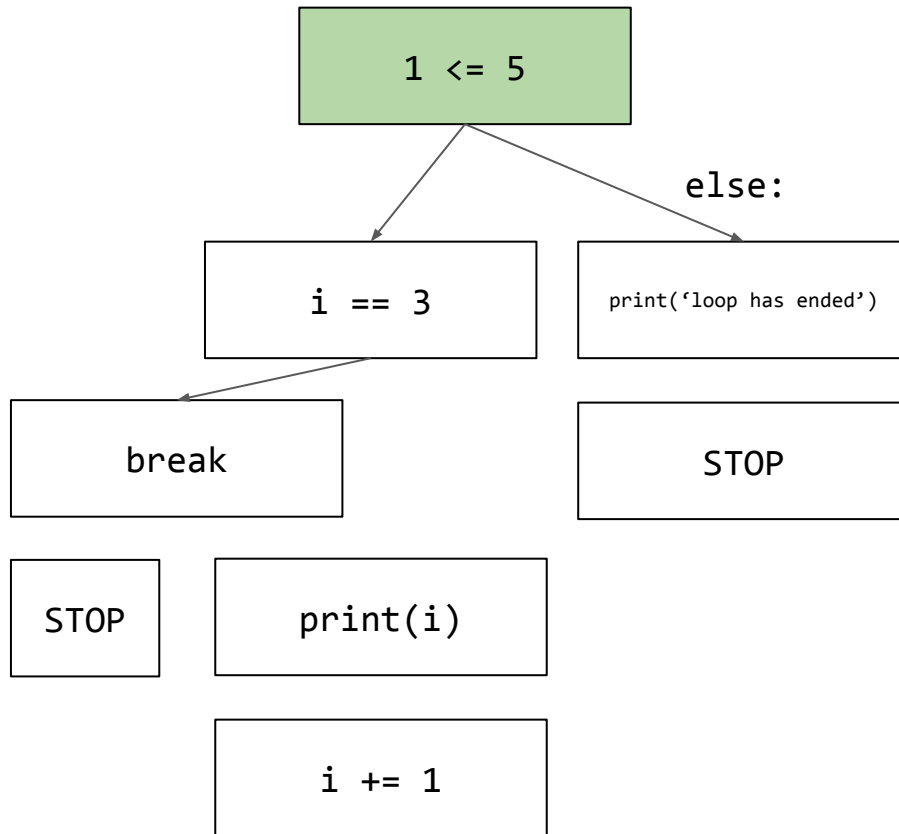
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 1

Loop



Output

```
# else example with break
reps = 5
i = 1

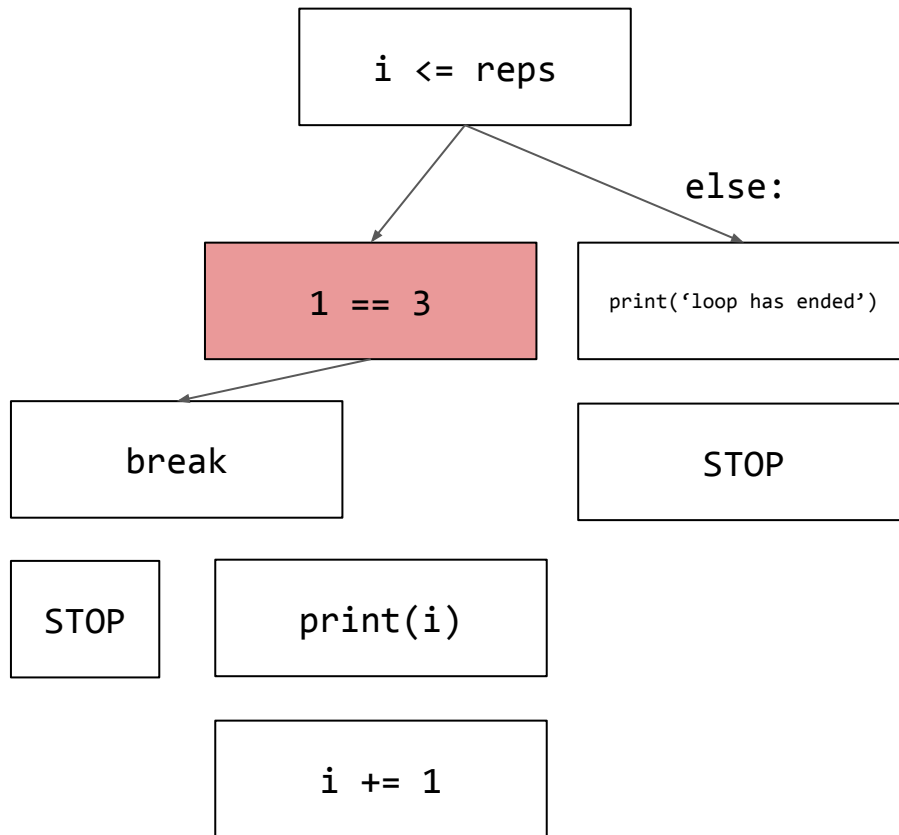
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 1

Loop



Output

```
# else example with break
reps = 5
i = 1

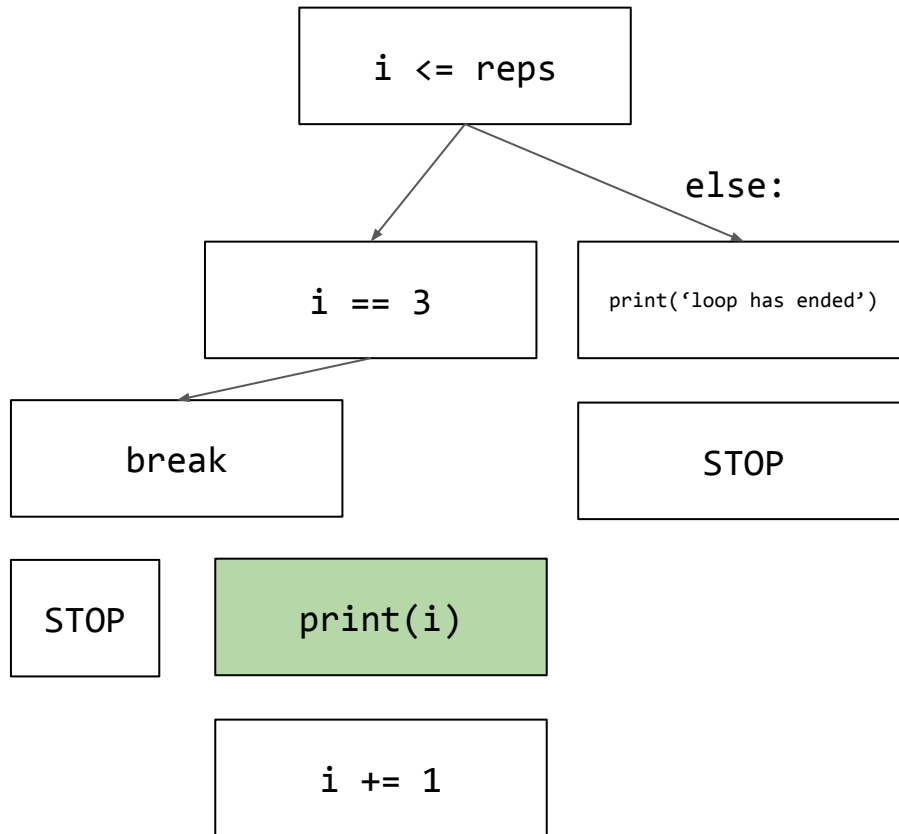
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 1

Loop



Output

> 1

```
# else example with break
reps = 5
i = 1

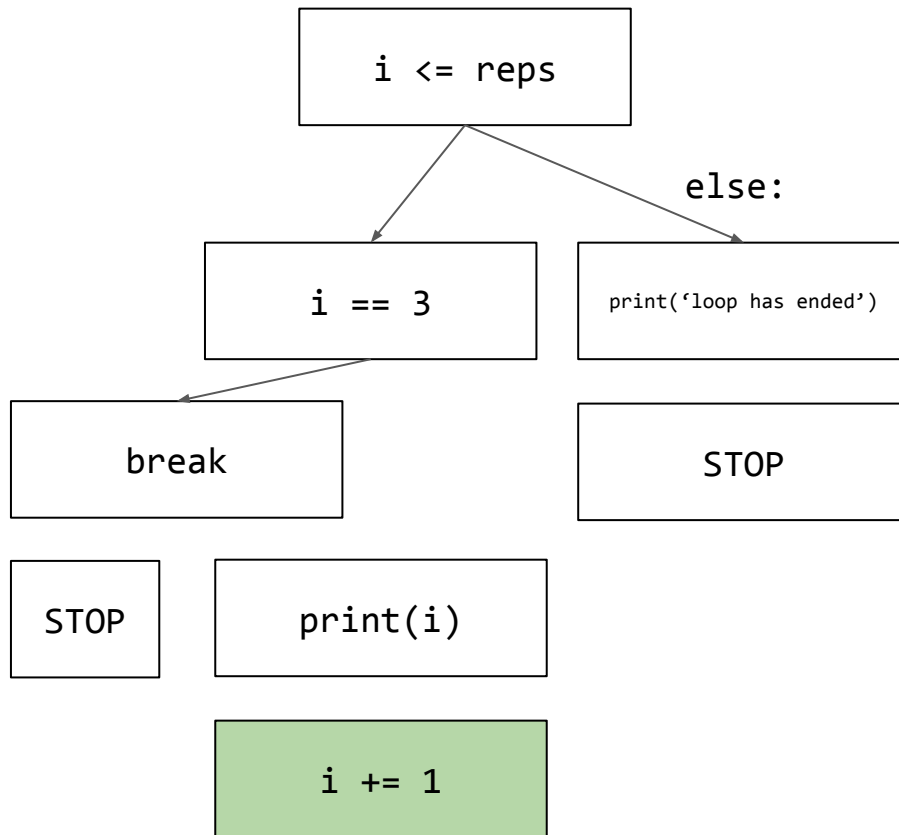
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 1

Loop



Output

> 1

```
# else example with break
reps = 5
i = 1

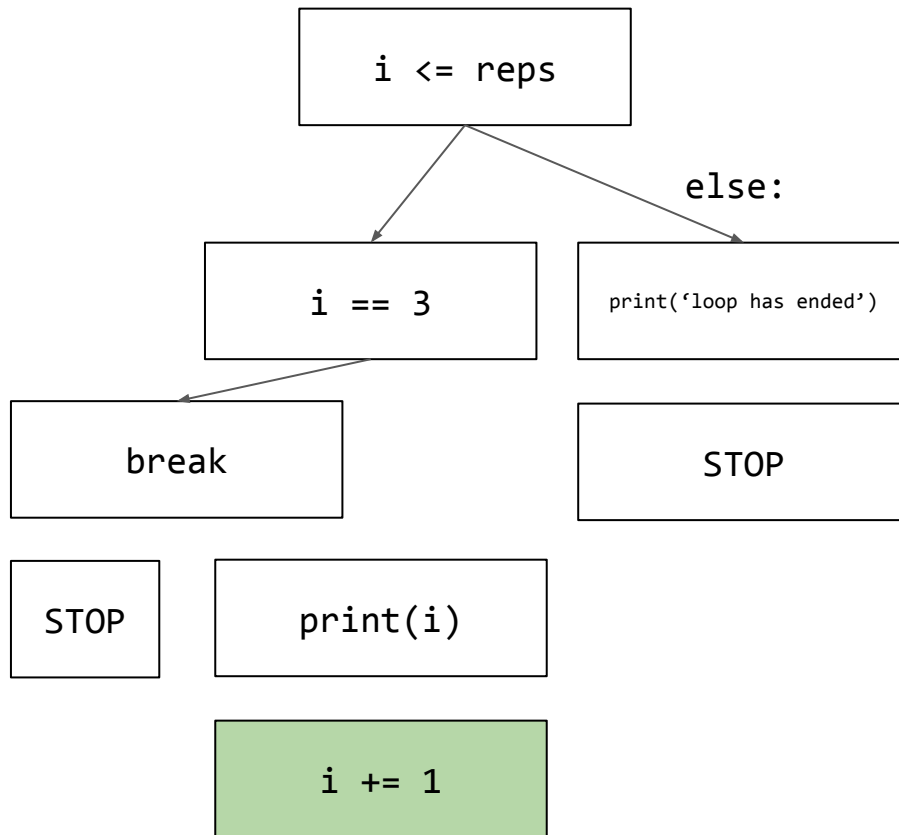
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 2

Loop



Output

> 1

```
# else example with break
reps = 5
i = 1

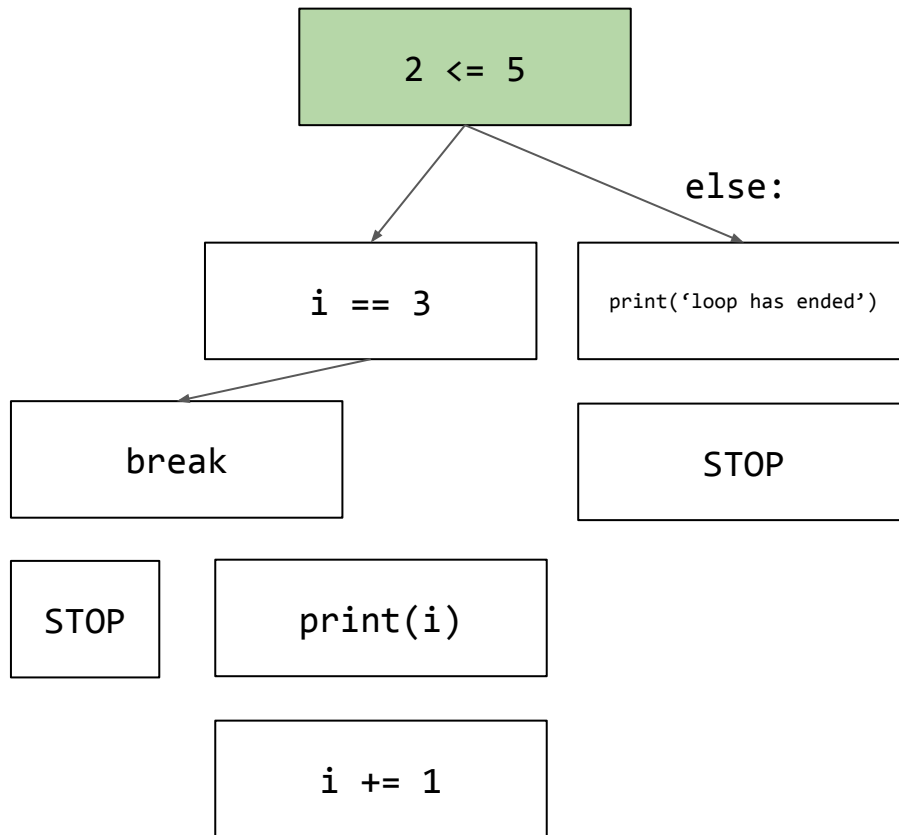
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 2

Loop



Output

> 1

```
# else example with break
reps = 5
i = 1

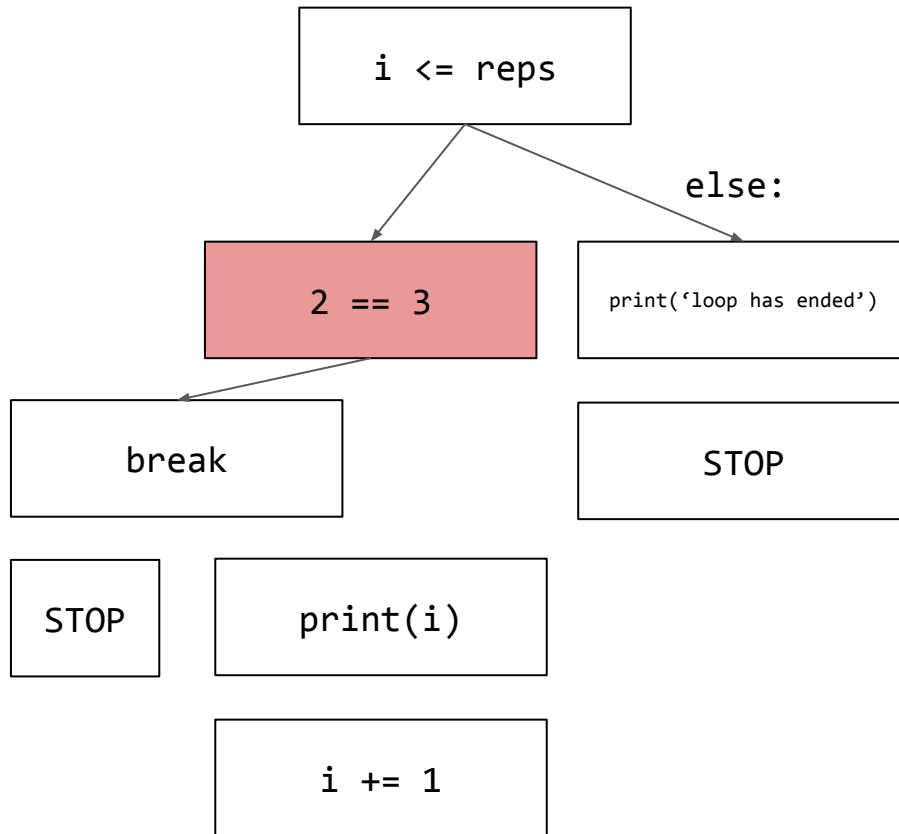
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 2

Loop



Output

> 1


```
# else example with break
reps = 5
i = 1

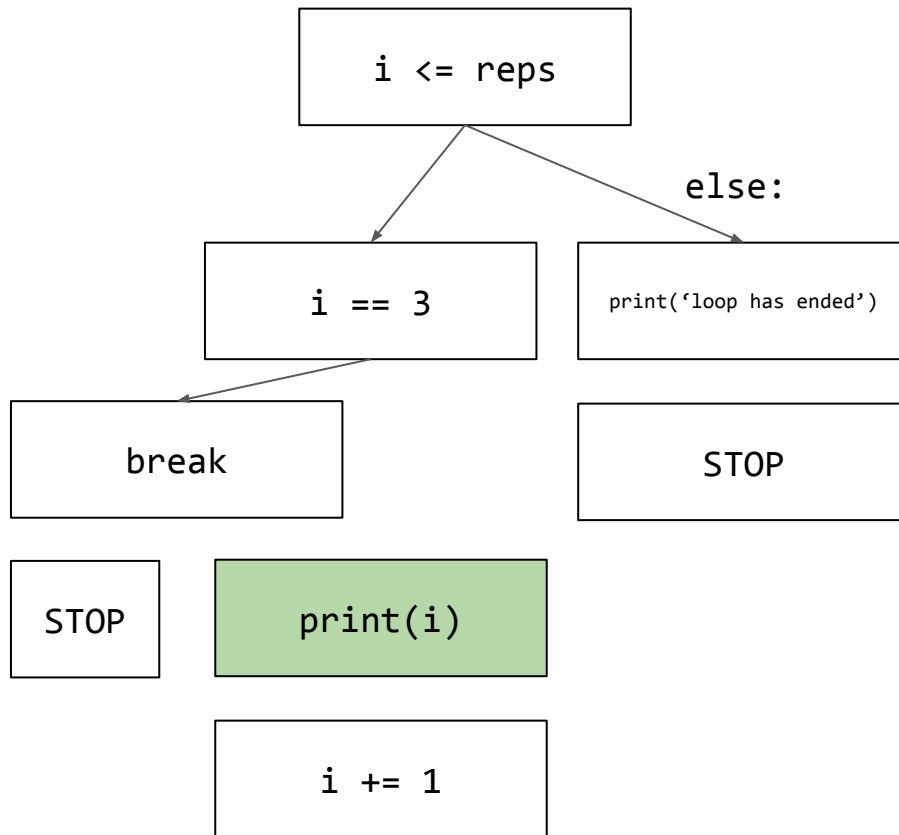
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 2

Loop



Output

> 1
> 2

```
# else example with break
reps = 5
i = 1

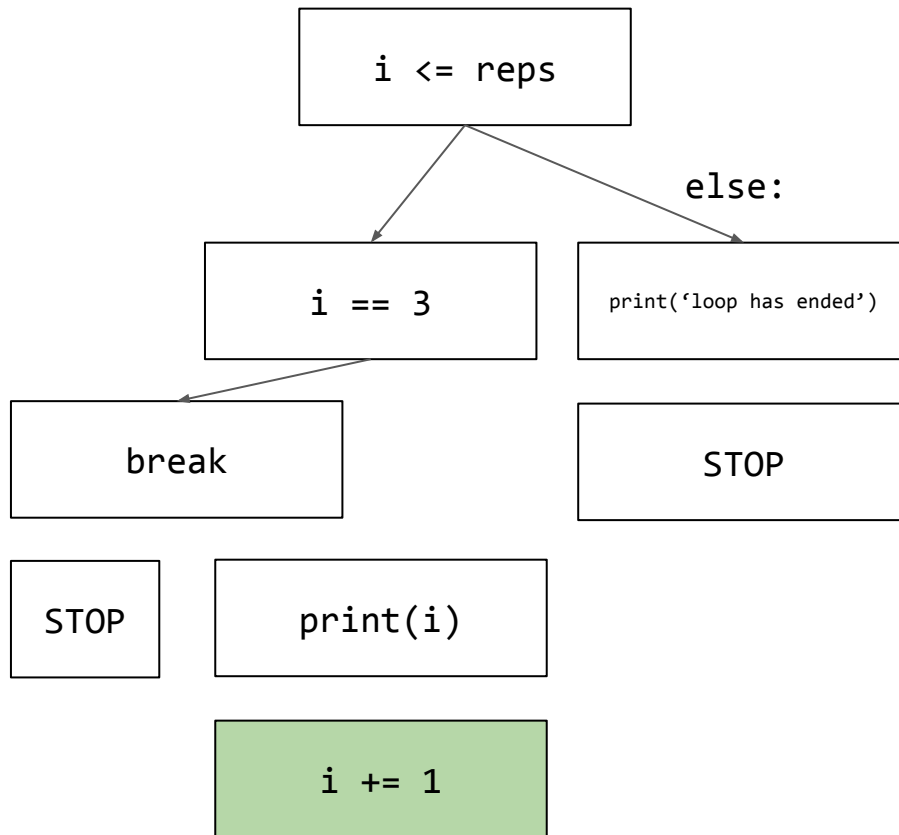
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 2

Loop



Output

> 1
> 2

```
# else example with break
reps = 5
i = 1

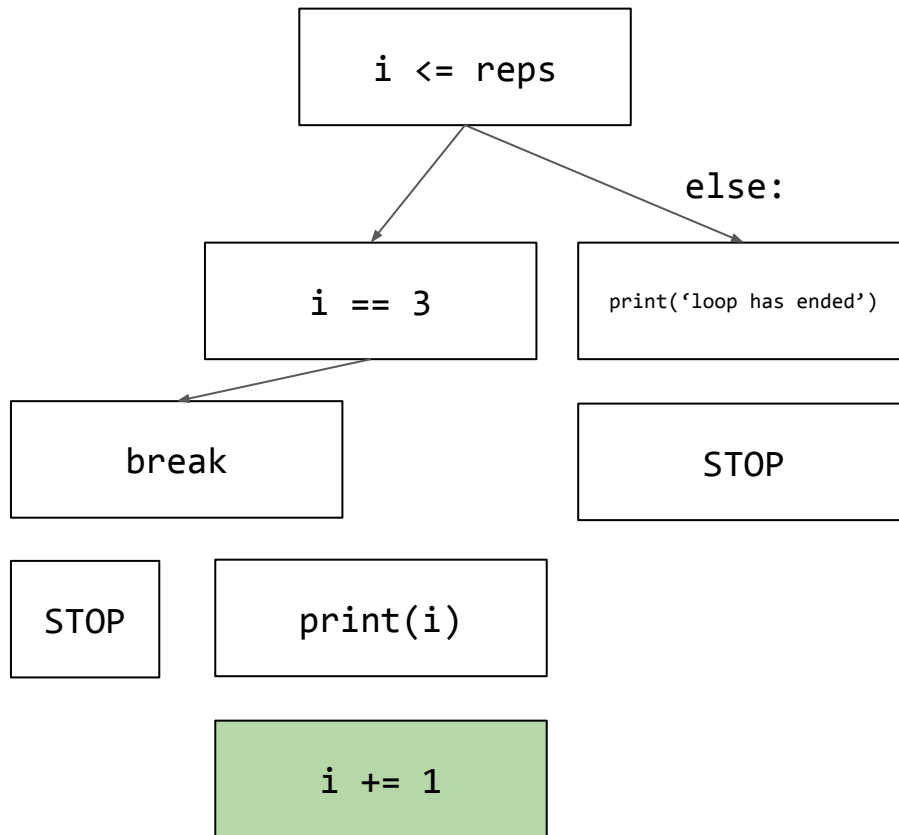
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2

```
# else example with break
reps = 5
i = 1

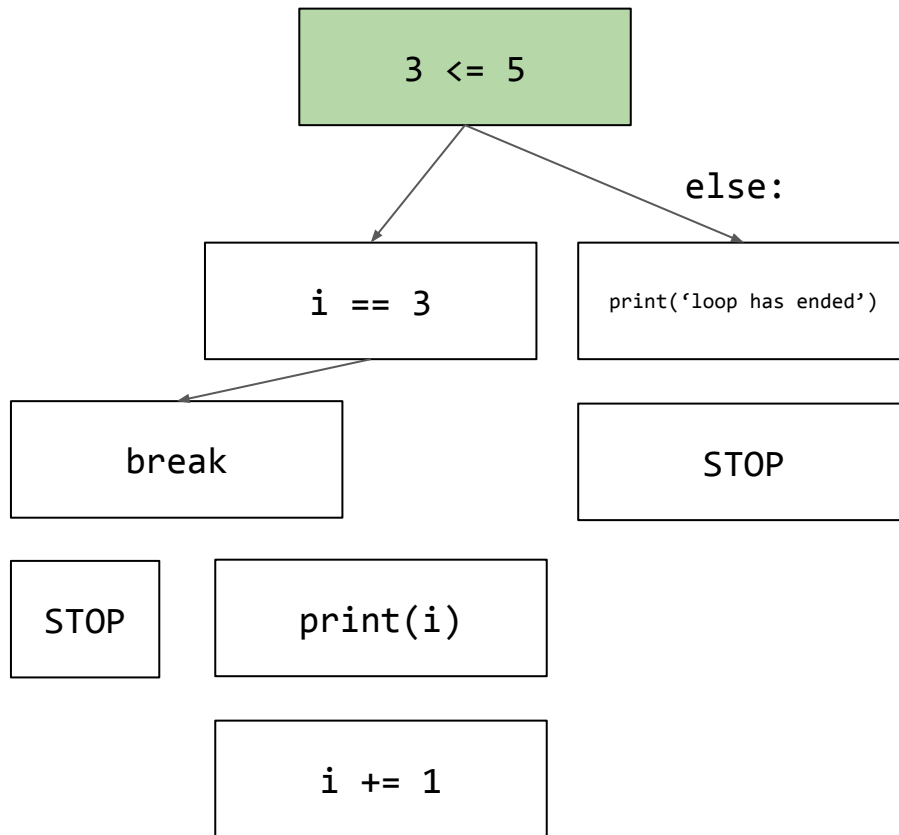
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2

```
# else example with break
reps = 5
i = 1

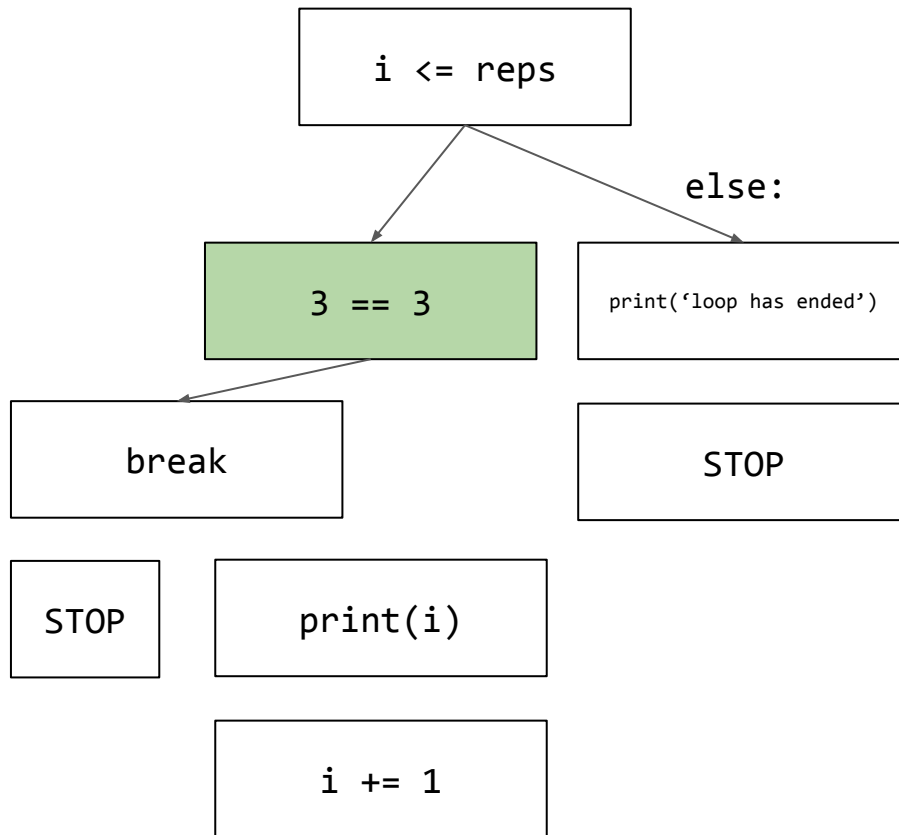
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2

```
# else example with break
reps = 5
i = 1

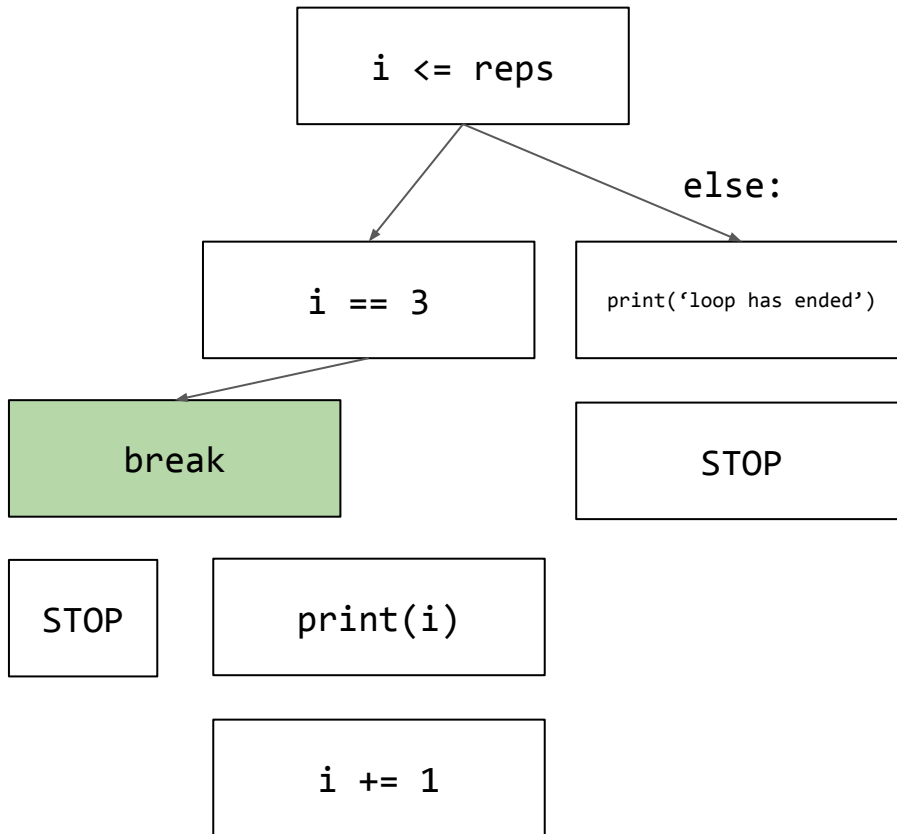
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2

```
# else example with break
reps = 5
i = 1

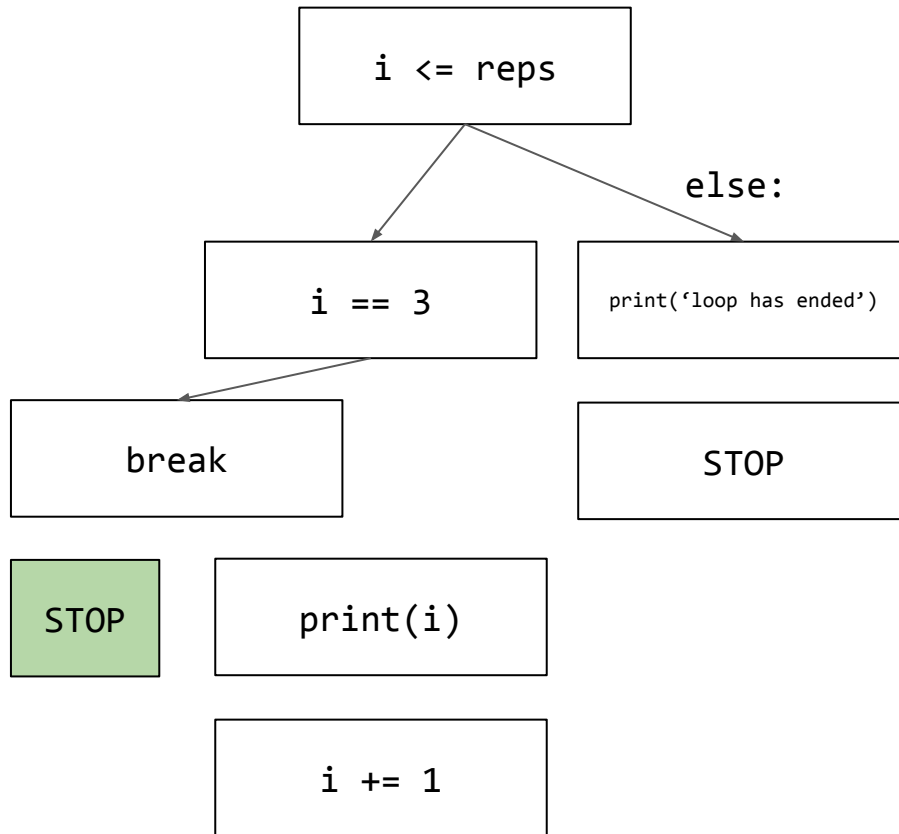
while i <= n_reps:
    if i == 3:
        break
    print(i)
    i += 1
else:
    print('loop has ended')
```

Variables

reps = 5

i = 3

Loop



Output

> 1
> 2