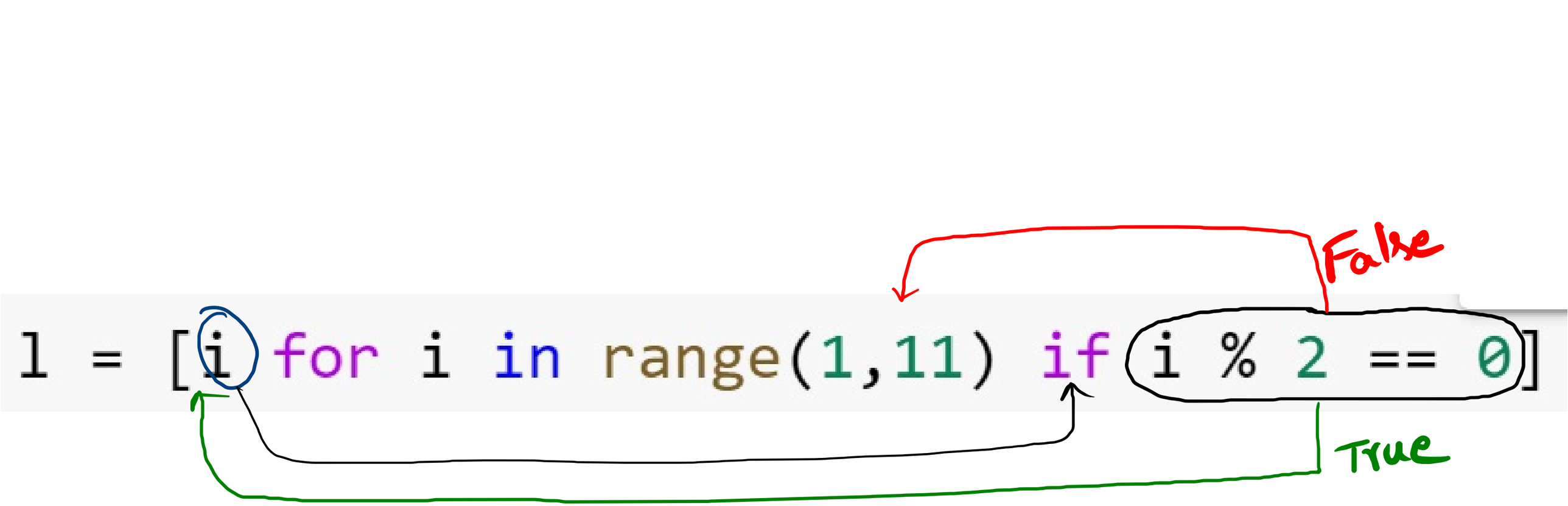
this is the item going to added to a list

```
l = [i for i in range(1,11)]
print(l)
```

```python
l = [i for i in range(1,11) if i % 2 == 0]
```



False

```
'even' if i % 2 == 0 else 'odd'
```

True

short form of if-else

```python
l=['even' if i % 2 == 0 else 'odd' for i in range(1,11)]
```

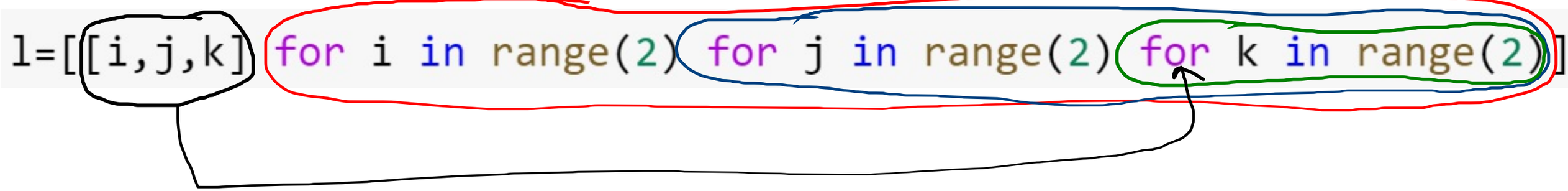
for each iteration this portion of the code will be executed

```python
l = [[i] for i in range(1,11)]
```

```
l=[[j for j in range(i)] for i in range(1,5)]
```

for each iteration this portion code result will be added to a list.

```
l=[parent for parent in range(1,6) for child in range(parent)]
```




```
l = []
for i in range(2):
    for j in range(2):
        for k in range(2):
            l.append([i,j,k])
```