```python
#!/usr/bin/env python3
# -*- coding: utf-8 -*-
"""
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"""
```

Operator	Precedence
not	High
and	Medium
or	Low

```python
""" (1)
If salary more than 40 and you are older than 25 or if you have worked
25 years and have kid you can apply for mortgage.
"""

salary40 = False
age25 = False
work25 = True
kid = True


def state1_1(salary40, age25, work25, kid):
    if salary40 and age25 or work25 and kid:
        print("yes")
    else:
        print("no")




def state1_2(salary40, age25, work25, kid):
    if (salary40 and age25) or (work25 and kid):
        print("yes")
    else:
        print("no")
```

```python
""" (2)
If salary more than 40 or you are older than 35 and if you have worked
10 years or you have kid you can apply for mortgage.
"""

salary40 = False
age35 = False
work10 = True
kid = True




def state2_2(salary40, age35, work10, kid):
    if (salary40 or age35) and (work10 or kid):
        print("yes")
    else:
        print("no")
```