



```

print("Masukan State Awal :")
x = int(input("x :"))
y = int(input("y :"))

while True:
    rules = int(input("Masukan rules no :"))
    if rules == 1:
        if x < 4:
            x = 4
    if rules == 2:
        if y < 3:
            y = 3
    if rules == 5:
        if x > 0:
            x = 0
    if rules == 6:
        if y > 0:
            y = 0
    if rules == 7:
        if x + y >= 4 and y > 0:
            x, y = 4, y - (4-x)
    if rules == 8:
        if x + y >= 3 and x > 0:
            x, y = x-(3-y), 3
    if rules == 9:
        if x + y <= 4 and y > 0:
            x, y = x + y, 0
    if rules == 10:
        if x + y <= 3 and x > 0:
            x,y = 0, x + y
    print("x : ", x)
    print("y : ", y)
    if x == 2:
        print("solusi ditemukan")
        break

    ...
    urutan instruksi untuk pengujian
    2,9,2,7,5,9
    ...

```

