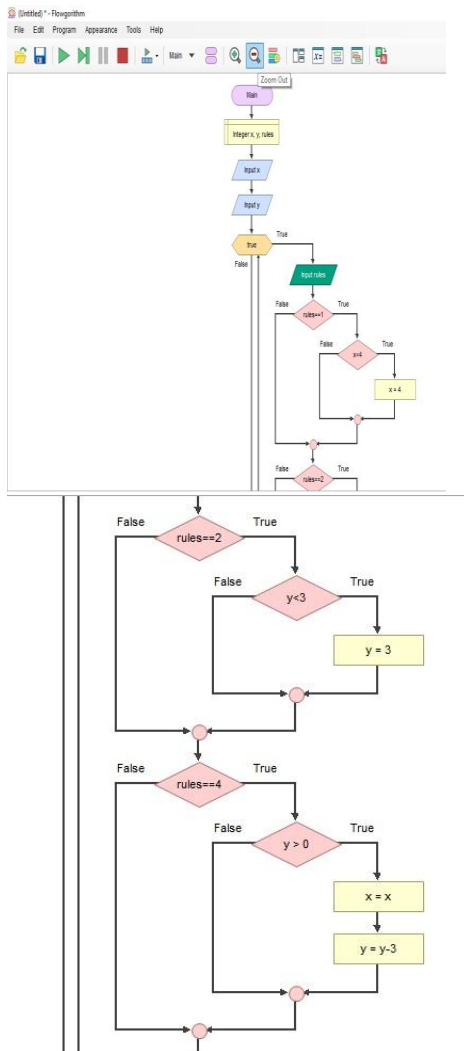
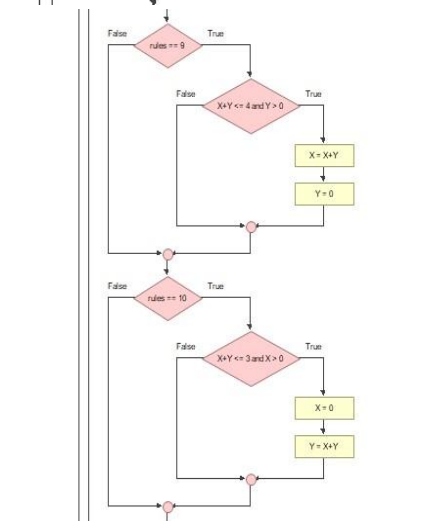
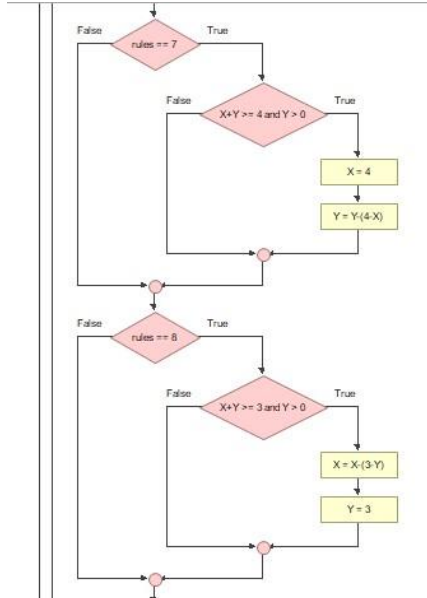
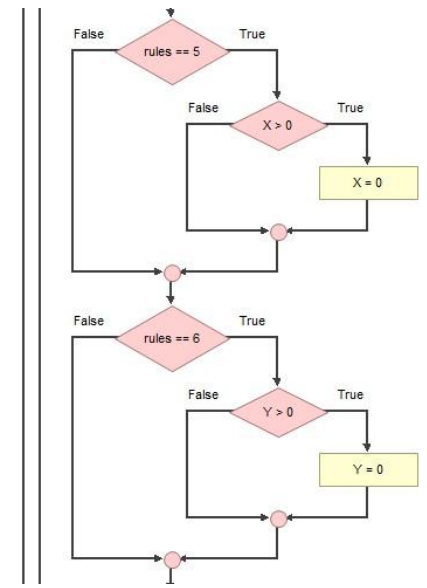


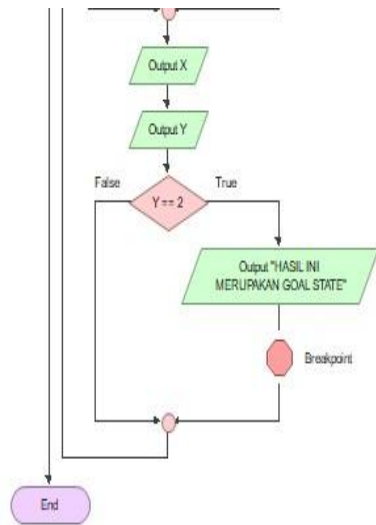
Nama : DIMAS ARYA MUKHTI
Nim : 20.01.013.046
Kelas : KECERDASAN BUATAN B

1. Flowchart penyelesaian masalah wadah $x=4$ kg dan $y=3$ kg.dengan goal $y=2$

Jawab







2. Kemudian dijalankan

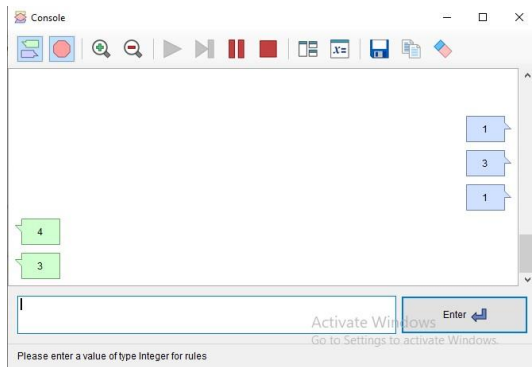
Jawab

Kode :

```

0  x = int(input())
1  y = int(input())
2  while True:
3      rules = int(input())
4      if rules == 1:
5          if x < 4:
6              x = 4
7      if rules == 2:
8          if y < 3:
9              y = 3
10     if rules == 4:
11         if y > 0:
12             x = x
13             y = y - 3
14     if rules == 5:
15         if x > 0:
16             x = 0
17     if rules == 6:
18         if y > 0:
19             y = 0
20     if rules == 7:
21         if x + y >= 4 and y > 0:
22             x = 4
23             y = y - (4 - x)
24     if rules == 8:
25         if x + y >= 3 and y > 0:
26             x = x - (3 - y)
27             y = 3
28     if rules == 9:
29         if x + y <= 4 and y > 0:
30             x = x + y
31             y = 0
32     if rules == 10:
33         if x + y <= 3 and x > 0:
34             x = 0
35             y = x + y
36     print(x)
37     print(y)
38     if y == 2:
39         print("HASIL INI MERUPAKAN GOAL STATE")
  
```

Hasil kode :



3. Ketikkan ulang sourcode pada flowgorithm ke vs-code

Jawab :

```
arya.py U • Untitled-1
C: > Users > ASUS > Downloads > arya.py > ...
1 x = int(input("masukkan x = "))
2 y = int(input("masukkan y = "))
3 while True:
4     rules = int (input("masukkan rules = "))
5     if rules == 1:
6         if x < 4:
7             x = 4
8     if rules == 2:
9         if y < 3:
10            (variable) rules: int
11     if rules == 4:
12         if y > 0:
13             x = x
14             y = y-3
15     if rules == 5:
16         if x > 0:
17             x = 0
18     if rules == 6:
19         if y > 0:
20             y = 0
21     if rules == 7:
22         if x + y >= 4 and y > 0:
23             x = 4
24             y = y - (4 - x)
25     if rules == 8:
26         if x + y >= 3 and y > 0:
27             x = x - (3 - y)
28             y = 3
29     if rules == 9:
30         if x + y <= 4 and y > 0:
31             x = x + y
32             y = 0
33     if rules == 10:
34         if x + y <= 3 and x > 0:
35             x = 0
36             y = x + y
37     print (x)
38     print (y)
39     if y == 2:
40         print("HASIL INI MERUPAKAN GOAL STATE")
```

