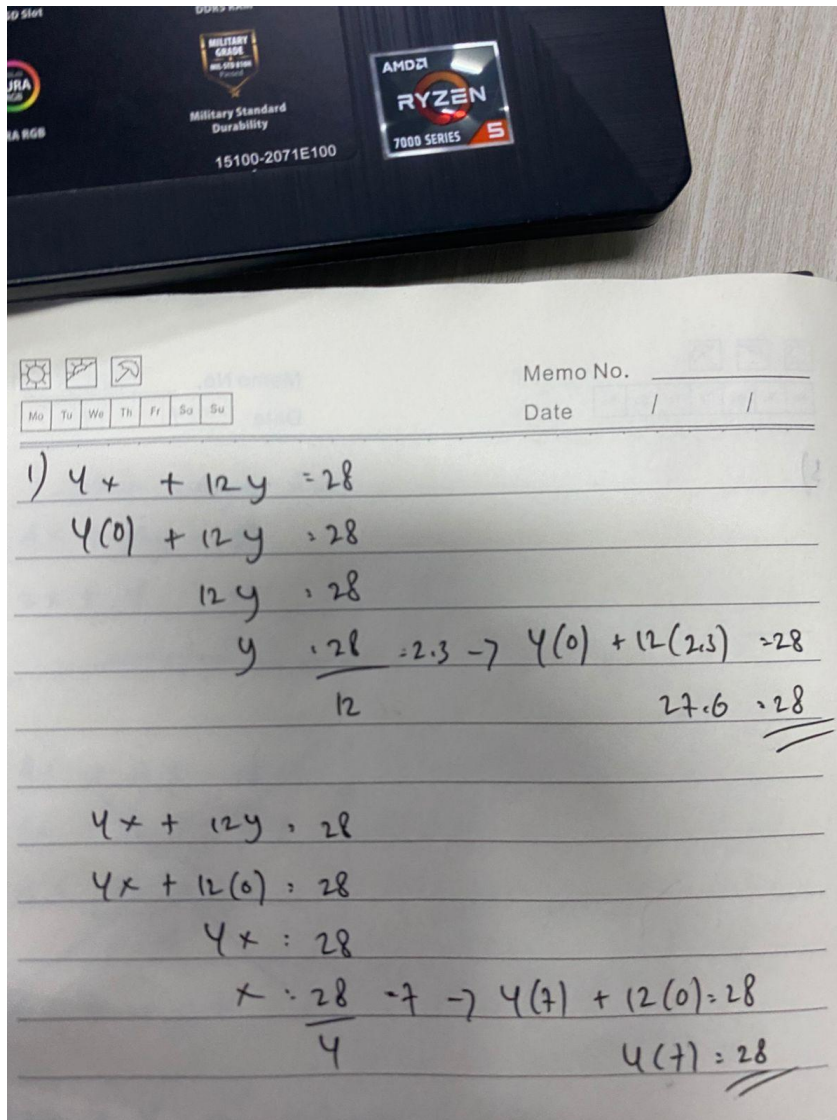


### SOAL 1.

Tulis Manual:



Code python :



```

# Latihan dengan scipy 2
from pulp import *

# Membuat objek masalah
model = LpProblem(name="Persamaan_2", sense=LpMaximize) # gunakan

# Membuat variabel
x = LpVariable("x", lowBound=0)
y = LpVariable("y", lowBound=0)

# Menambahkan batasan
model += 2*x + y == 21

# Fungsi tujuan (formalnya x + y)
model += x + y

# Menyelesaikan masalah
model.solve()

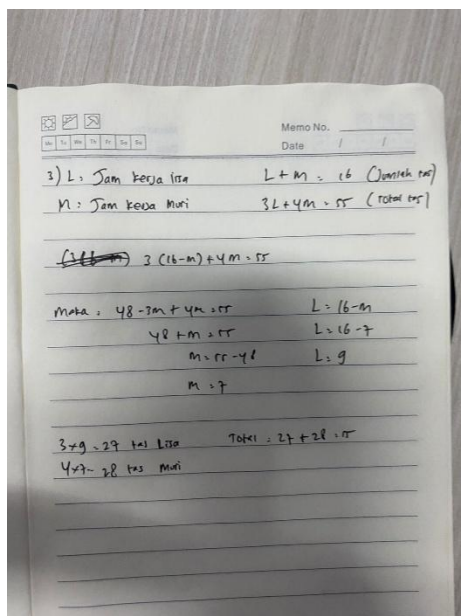
# Menampilkan hasil
print("Status:", LpStatus[model.status])
print("Nilai x =", x.value())
print("Nilai y =", y.value())

```

... Status: Optimal  
 Nilai x = 0.0  
 Nilai y = 21.0

### SOAL 3.

Tulis manual:



## Code Python:

```
#SOAL NOMOR 3
import pulp

model = pulp.LpProblem(name="Jam_Kerja_Lisa_dan_Muri", sense=pulp.LpMinimize)

x = pulp.LpVariable(name="Jam_Lisa", lowBound=0)
y = pulp.LpVariable(name="Jam_Muri", lowBound=0)

model += 0

model += x + y == 16          # jumlah jam kerja
model += 3 * x + 4 * y == 55 # jumlah tas yang dibuat

model.solve()

print("Status:", pulp.LpStatus[model.status])
print("Jam kerja Lisa (x) =", x.varValue)
print("Jam kerja Muri (y) =", y.varValue)
```