```
1 –
```

$$F = 100x + 150y$$

#### Forma Normal:

$$F = 100x + 150y$$

$$x,y,vf1,vf2,vf3 \ge 0$$

$$F = 5x + 7y + 4z$$

## **Forma Normal:** F = 5x+7y+4z

$$F = 10x+7y+4z$$

x≥20

y+z≤z

x≤2y

#### Forma Normal:

$$F = -10x - 7y - 4z$$

$$x-2y+vf3=0$$

4 –

$$F = 8x + 6y + 10z$$

x≥5 y≥3

### Forma Normal:

$$F = -8x - 6y - 10z$$

$$-x-y+z+vf5=0$$

```
5 –
```

F = 200x + 300y

50x+40y≥200

30x+60y≥180

20x+30y≥150

200x+300y≤3000

x≤2y

Forma Normal:

F = 200x + 300y

50x+40y-vf1=200

30x+60y-vf2=180

20x+30y-vf3=150

200x+300y+vf4=3000

x-2y+vf5=0

6 –

F = 0.05x + 0.10y

x+y=500

x≥150 x≥100

100x+200y≥80000

Forma Normal:

F = 0.05x + 0.10y

x+y=500 x-vf1=150

x-vf2=100

100x+200y-vf3=80000

$$F = 10x + 15y 2x + 3y \le 30$$

#### Forma Normal:

$$F = -10x - 15y$$

$$4x+2y+vf2=40$$

$$F = x+y+z$$

#### y≤500

## Forma Normal:

$$F = -x-y-z$$

$$0.1x+0.05y+0.2z-vf2=50$$

# Forma Normal: