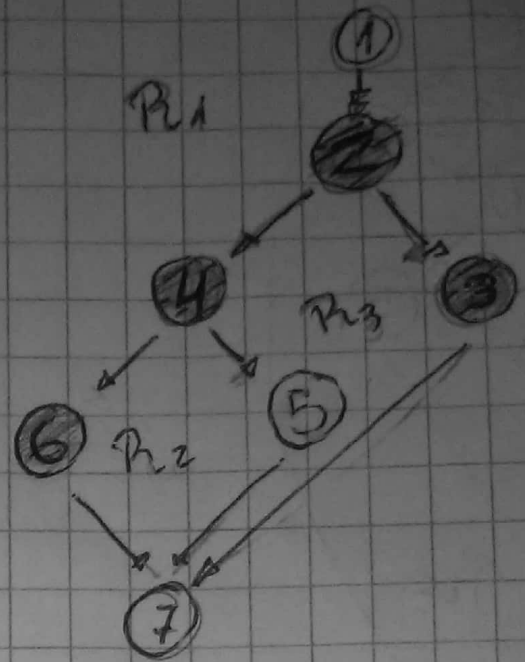


① Grafo de flujo



Complejidad Ciclomática

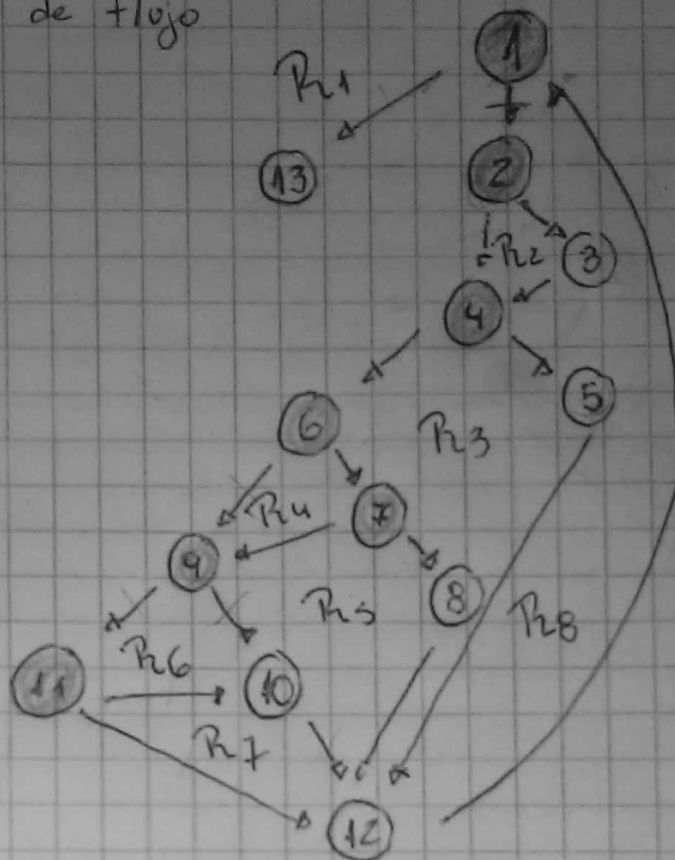
Cantidad de Regiones = 3

$$V(G): 8 - 7 + 2 = 3$$

$$V(G): 2 + 1 = 3$$

| Caminos | Num | Salida |
|---------------|-----|----------|
| 1, 2, 3, 7 | - 3 | Negativo |
| 1, 2, 4, 5, 7 | + 7 | Positivo |
| 1, 2, 4, 6, 7 | 0 | Nulo |

(2) Grafo de flujo



Complejidad Ciclomática

Regiones = 8

$$7 + 1 = 8$$

$$19 - 13 + 2 = 8$$

Camino 1 = 1, 2, 3, 4, 5, 12, ...

Camino 2 = 1, 2, 3, 4, 6, 7, 8, 12, ...

Camino 3 = 1, 2, 3, 4, 6, 9, 10, 12, ...

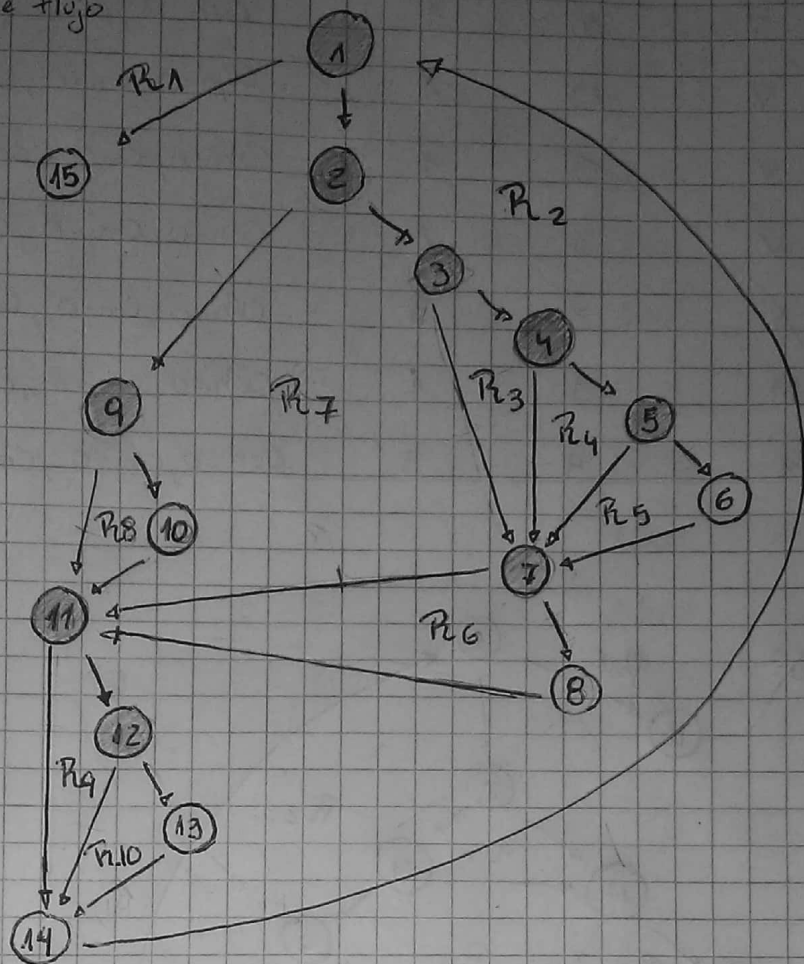
Camino 4 = 1, 2, 4, 6, 9, 11, 10, 12, ...

Camino 5 = 1, 2, 4, 6, 9, 11, 12, ...

Camino 6 = 1, 2, 4, 6, 7, 9, 11, 12, ...

| Camino | i | E[i] | May | salida |
|--------|---|------|-----|---------------------------------------|
| 1 | 2 | 30 | 15 | May = 30, m25 = 1, m18 = 0, C1715 = 0 |
| 2 | 2 | 20 | 15 | May = 20, m25 = 0, m18 = 1, C1715 = 0 |
| 3 | 2 | 17 | 15 | May = 17, m25 = 0, m18 = 0, C1715 = 1 |
| 4 | 2 | 15 | 50 | May = 50, m25 = 0, m18 = 0, C1715 = 1 |
| 5 | 2 | 18 | 50 | May = 50, m25 = 0, m18 = 0, C1715 = 0 |
| 6 | 2 | 21 | 50 | May = 50, m25 = 0, m18 = 0, C1715 = 0 |

③ Grafo de flujo



Complejidad Ciclomática

Regiones = 10

$$23 - 15 + 2 = 10$$

$$9 + 1 = 10$$

Camino 1: 1, 15 (no Valido solo)

Camino 2: 1, 2, 3, 4, 5, 6, 7, 11, 14, ...

Camino 3: 1, 2, 3, 4, 5, 7, 11, 14, ...

Camino 4: 1, 2, 3, 4, 7, 11, 12, 14, ...

Camino 5: 1, 2, 3, 7, 8, 11, 12, 14, ...

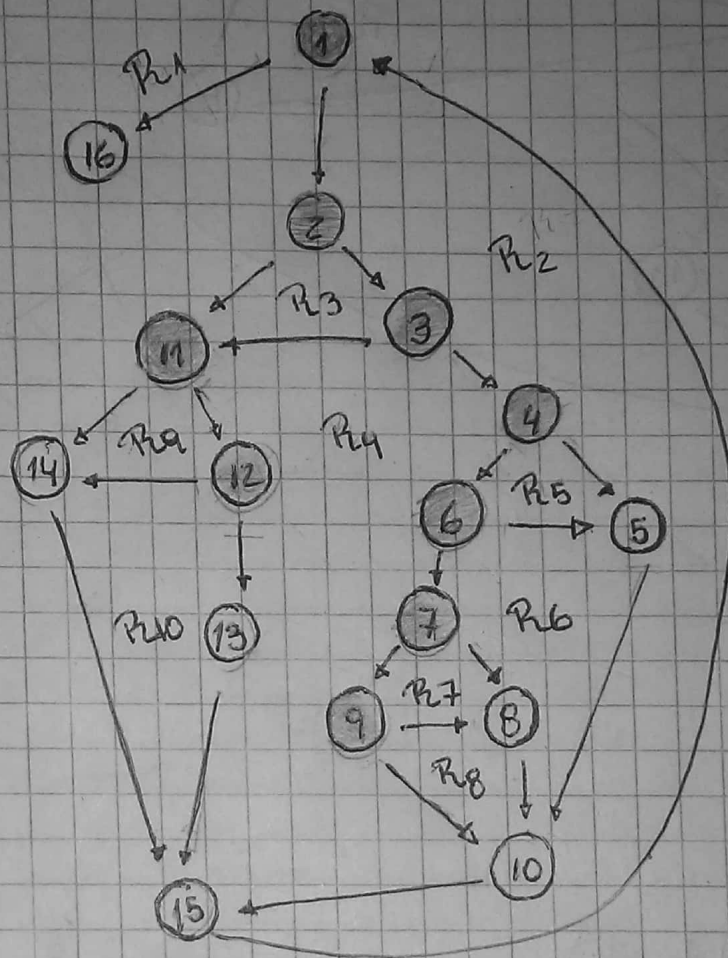
Camino 6: 1, 2, 9, 10, 11, 12, 14, ...

Camino 7: 1, 2, 9, 11, 14, ...

Camino 8: 1, 2, 3, 7, 11, 12, 13, 14, ...

| Camino | S | Edad | enf | salida |
|--------|---|------|-----|-----------------------------|
| 2 | V | 10 | 1 | $Cvh=1, Cm=0, Cn=0, porc=0$ |
| 3 | V | 13 | 1 | $Cvh=0, Cm=0, Cn=0, porc=0$ |
| 4 | V | 3 | 1 | $Cvh=0, Cm=0, Cn=0, porc=0$ |
| 5 | V | 3 | 2 | $Cvh=0, Cm=0, Cn=0, porc=1$ |
| 8 | V | 3 | 3 | $Cvh=0, Cm=0, Cn=1, porc=0$ |
| 6 | M | 3 | 1 | $Cvh=0, Cm=1, Cn=0, porc=0$ |
| 7 | M | 4 | 3 | $Cvh=0, Cm=0, Cn=0, porc=0$ |

④ Grafo de flujo



Complejidad Ciclomática

Regiones = 10

$$24 - 16 + 2 = 10$$

$$9 + 1 = 10$$

Camino 1: 1, 16

Camino 2: 1, 2, 3, 4, 5, 10, 15, ...

Camino 3: 1, 2, 3, 4, 6, 5, 10, 15, ...

Camino 4: 1, 2, 3, 4, 6, 7, 8, 10, 15, ...

Camino 5: 1, 2, 3, 4, 6, 7, 9, 8, 10, 15, ...

Camino 6: 1, 2, 3, 4, 6, 7, 9, 10, 15, ...

Camino 7: 1, 2, 3, 11, 12, 13, 15, ...

Camino 8: 1, 2, 3, 11, 14, 15, ...

Camino 9: 1, 2, 11, 14, 15, ...

| Camino | Sueldo | Zona | Salida | |
|--------|--------|------|-------------|------------|
| | | | Sueldo Org. | Sueldo Inc |
| 1 | 0 | E | — | — |
| 2 | 500 | N | 500 | 575 |
| 3 | 500 | S | 500 | 575 |
| 4 | 500 | E | 500 | 600 |
| 5 | 500 | O | 500 | 600 |
| 6 | 500 | F | 500 | 500 |
| 7 | 1500 | E | 1500 | 1650 |
| 8 | 2500 | E | 2500 | 2625 |
| 9 | -100 | E | -100 | -105 |