



| Matriz de Adjacência (a) |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|
|                          | A | B | C | D | E | F |   |
| A                        | 0 | 1 | 0 | 0 | 1 | 1 | 1 |
| B                        | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| C                        | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| D                        | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| E                        | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| F                        | 1 | 1 | 1 | 0 | 0 | 0 | 0 |

| Matriz de Adjacência (B) |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|
|                          | A | B | C | D | E | F | G | H | I | J |   |
| A                        | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| B                        | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| C                        | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| D                        | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| E                        | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| F                        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| G                        | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| H                        | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| I                        | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| J                        | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |

| Matriz de Incidência (a) |    |    |    |    |    |    |    |    |    |
|--------------------------|----|----|----|----|----|----|----|----|----|
|                          | A1 | A2 | A3 | B1 | B2 | B3 | C1 | C2 | C3 |
| A                        | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  |
| B                        | 0  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 0  |
| C                        | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 1  |
| D                        | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 0  | 0  |
| E                        | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 0  |
| F                        | 1  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 1  |

| Matriz de Incidência (b) |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
|                          | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| A                        | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| B                        | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| C                        | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| D                        | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0  | 0  | 0  | 0  | 0  | 0  |
| E                        | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1  | 0  | 0  | 0  | 0  | 0  |
| F                        | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0  | 1  | 1  | 0  | 0  | 0  |
| G                        | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0  | 0  | 0  | 1  | 1  | 0  |
| H                        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 1  | 0  | 0  | 0  | 1  |
| I                        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0  | 0  | 1  | 0  | 1  | 0  |
| J                        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1  | 0  | 0  | 1  | 0  | 1  |

| Lista de Adjacência (a) |       |
|-------------------------|-------|
| A                       | D,E,F |
| B                       | D,E,F |
| C                       | D,E,F |
| D                       | A,B,C |
| E                       | A,B,C |
| F                       | A,B,C |

| Lista de Adjacência (B) |         |
|-------------------------|---------|
| A                       | B, E, F |
| B                       | A, C, G |
| C                       | B, D, H |
| D                       | C, E, I |
| E                       | A, D, J |
| F                       | A, H, I |
| G                       | B, I, J |
| H                       | C, F, J |
| I                       | D, F, G |
| J                       | E, G, H |

| Busca por Largura (a) |           |
|-----------------------|-----------|
| Evento                | Fila      |
| E(a)                  | a         |
| D(a)                  |           |
| E(d)                  | d         |
| E(e)                  | d>e       |
| E(f)                  | d>e>f     |
| D(d)                  | e>f       |
| E(a)                  | e>f>a     |
| E(b)                  | e>f>a>b   |
| E(c)                  | e>f>a>b>c |
| D(e)                  | f>a>b>c   |
| D(f)                  | a>b>c     |
| D(a)                  | b>c       |
| D(b)                  | c         |
| D(c)                  |           |

| Busca por Largura (a) |               |
|-----------------------|---------------|
| Evento                | Fila          |
| E(a)                  | a             |
| D(a)                  |               |
| E(b)                  | b             |
| E(e)                  | b>e           |
| E(f)                  | b>e>f         |
| D(b)                  | e>f           |
| E(a)                  | e>f>a         |
| E(c)                  | e>f>a>c       |
| E(g)                  | e>f>a>c>g     |
| D(e)                  | f>a>c>g       |
| E(d)                  | f>a>c>g>d     |
| E(j)                  | f>a>c>g>d>j   |
| D(f)                  | a>c>g>d>j     |
| E(h)                  | a>c>g>d>j>h   |
| E(i)                  | a>c>g>d>j>h>i |
| D(a)                  | c>g>d>j>h>i   |
| D(c)                  | g>d>j>h>i     |
| D(g)                  | d>j>h>i       |
| D(d)                  | j>h>i         |
| D(j)                  | i>h>i         |
| D(h)                  | i             |
| D(i)                  |               |

| Busca por Profundidade (a) |  |
|----------------------------|--|
| a                          |  |
| a>d>b                      |  |
| a>d>b>e                    |  |
| a>d>b>e>c                  |  |
| a>d>b>e>c>f                |  |

| Árvore geradora mínima(a) |  |
|---------------------------|--|
| a>d>b>e>c>f               |  |

| Busca por Profundidade (b) |  |
|----------------------------|--|
| a                          |  |
| a>b>c                      |  |
| a>b>c>d                    |  |
| a>b>c>d>e                  |  |
| a>b>c>d>e>j                |  |
| a>b>c>d>e>j>g              |  |
| a>b>c>d>e>j>g>i            |  |
| a>b>c>d>e>j>g>i>f          |  |
| a>b>c>d>e>j>g>i>f>h        |  |

| Árvore geradora mínima(b) |  |
|---------------------------|--|
| a>b>c>d>e>j>g>i>f>h       |  |