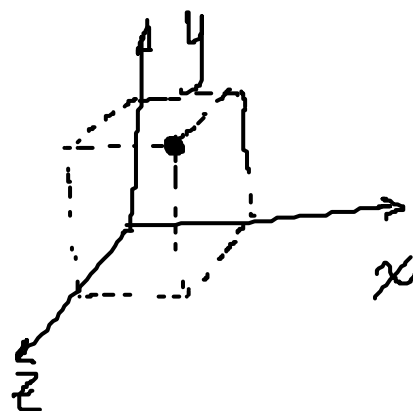


	0	1	2	3
0	-	-	-	$\square$

$a_{ij}$

$a_{03}$

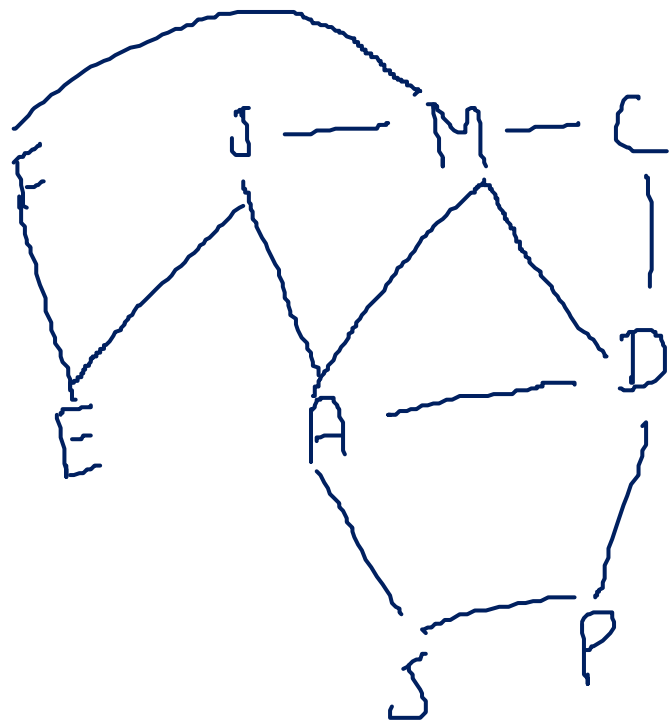
	0	1	2	3
0	-	-	-	$\square$



hipercubo

produtos

- região
- vendedor
- estados do ano
- tipo prod.



Matriz Adjacências

	Os	SP	It	Jan	Bar
Os	1	1	0	0	1
SP	1	1	0	0	1
It	00	00	0	12	00
Ja	0				
Ba	1				

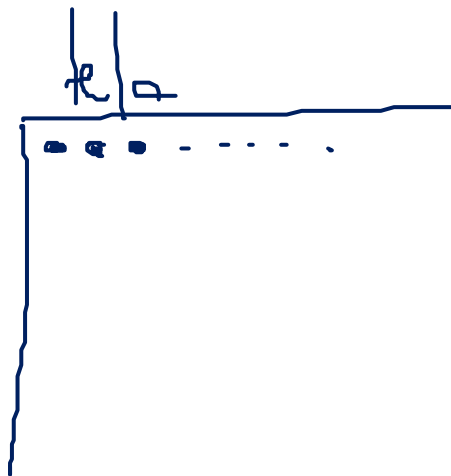
menor caminho entre uma origem e vários destinos Dijkstra

$$\begin{cases} 2x_1 + 3x_2 = 12 \\ 4x_1 - x_2 = 9 \end{cases}$$

$$\left[ \begin{array}{c|c} 2 & 3 \\ 4 & -1 \end{array} \right] \quad \left[ \begin{array}{c} 12 \\ 9 \end{array} \right]$$

prob. eng.

order 1000 eq  
1000 var

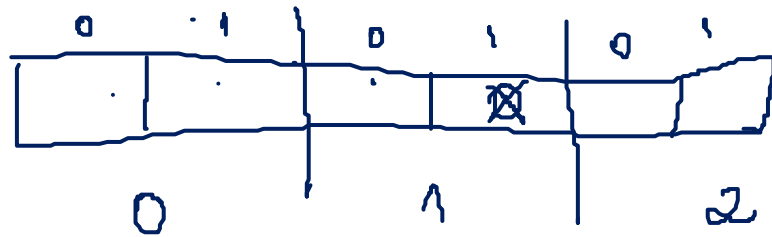


or  
1280 × 760

int mat [3] [2];

mat [1] [1]

	0	1
0		
1		✗
2		



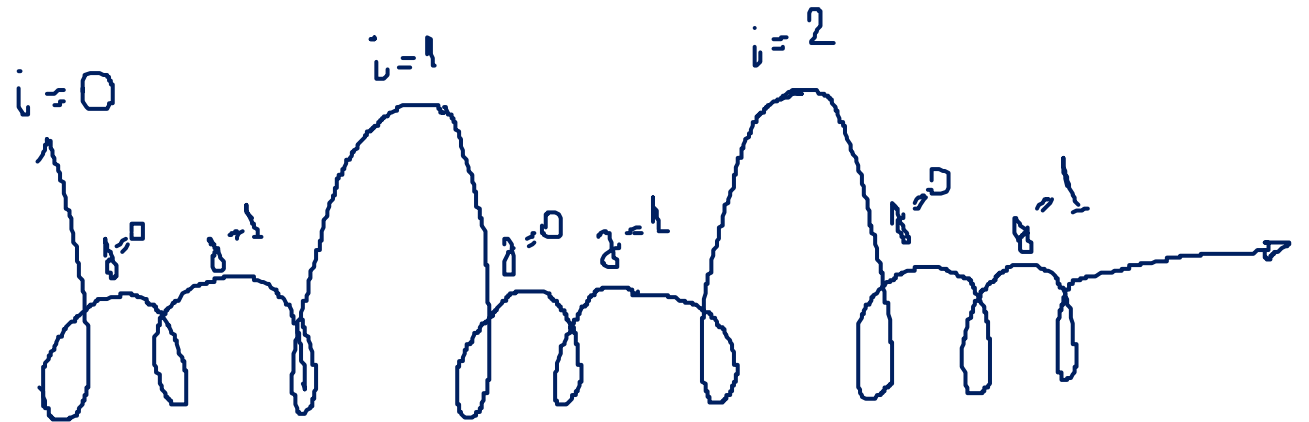
```
for (i=0; i < 3; i++) {
```

```
    for (j=0; j < 2; j++) {
```

```
        proc mat[i][j];
```

```
    }
```

```
}
```



J o a o 10 . . . .

M a r i a 10 . . . .

J o s e 10 . . . .

1	2	3	4	5	6	7	8	9	0
0	1	2	3	4	5	6	7	8	9

7 10

-----

v[5]

6	4	8	7	1
0	1	2	3	4

```
{
    mv = v[0];
    for (i = 1; i < 5; i++) {
        if (v[i] > mv) {
            mv = v[i];
        }
    }
}
```

m

	0	1	2
0	6	4	8
1	9	5	2
2	10	3	1

mv = m[0][0];

```
for (lin = 0; lin < 3; lin++) {
```

```
    for (col = 0; col < 3; col++) {
```

```
        if (m[lin][col] > mv) {
```

```
            mv = m[lin][col];
```

```
        }
    }
}
```

0	2	4	1
1	6	5	2
2	4	8	9

0	4
1	6
2	9