## 

## thi- GRAPH

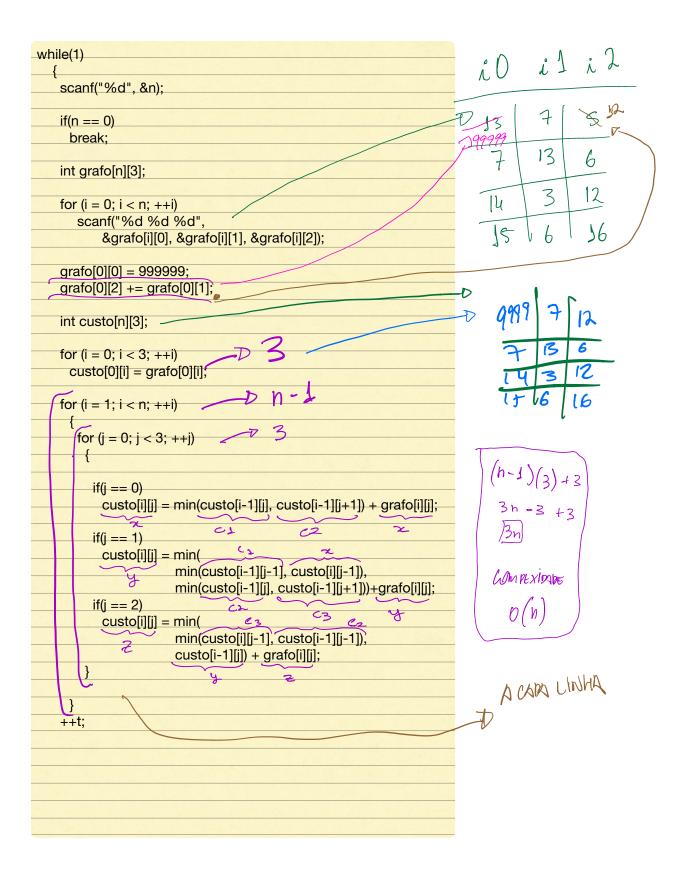
$$\mathcal{Z} = \text{WIN}\left(\mathcal{C}_{1},\mathcal{C}_{2}\right) + \chi$$

$$\mathcal{Y} = \text{min}\left(\text{min}\left(\mathcal{C}_{1},\chi\right), \text{min}\left(\mathcal{C}_{2},\mathcal{C}_{3}\right)\right) + \chi$$

$$\mathcal{Z} = \text{MIN}\left(\text{min}\left(\mathcal{C}_{2},\mathcal{C}_{3}\right), \mathcal{Y}\right) + \mathcal{Z}$$

. FAZET COMPANAÇÕES COM A USTA DE ADDRÊNCÃOS

```
min(int x, int y)
{
    if (x >= y)
      return y;
    else
      return x;
}
```



```
#include <stdio.h>
#define DEBUG if(1)
int
min(int x, int y)
 if (x >= y)
  return y;
 else
   return x;
int
main()
 int n, i, j, t;
 t=0;
 while(1)
    scanf("%d", &n);
    if(n == 0)
     break;
    int grafo[n][3];
    for (i = 0; i < n; ++i)
       scanf("%d %d %d",
           &grafo[i][0], &grafo[i][1], &grafo[i][2]);
    grafo[0][0] = 999999;
    grafo[0][2] += grafo[0][1];
    int custo[n][3];
    for (i = 0; i < 3; ++i)
     custo[0][i] = grafo[0][i];
    for (i = 1; i < n; ++i)
       for (j = 0; j < 3; ++j)
          if(j == 0)
           custo[i][j] = min(custo[i-1][j], custo[i-1][j+1]) + grafo[i][j];
```

```
int
main()
 int n, i, j, t;
 t=0;
 while(1)
    scanf("%d", &n);
    if(n == 0)
     break;
    int grafo[n][3];
    for (i = 0; i < n; ++i)
       scanf("%d %d %d",
            &grafo[i][0], &grafo[i][1], &grafo[i][2]);
    grafo[0][0] = 999999;
    grafo[0][2] += grafo[0][1];
    int custo[n][3];
    for (i = 0; i < 3; ++i)
      custo[0][i] = grafo[0][i];
    for (i = 1; i < n; ++i)
     {
for (j = 0; j < 3; ++j)
          if(j == 0)
            custo[i][j] = min(custo[i-1][j], custo[i-1][j+1]) + grafo[i][j];
          if(j == 1)
            custo[i][j] = min(
                         min(custo[i-1][j-1], custo[i][j-1]),
                         min(custo[i-1][j], custo[i-1][j+1]))+grafo[i][j];
          if(j == 2)
            custo[i][j] = min(
                         min(custo[i][j-1], custo[i-1][j-1]),
                         custo[i-1][j]) + grafo[i][j];
```