2 - MATRIZES

- Vetores são array uni-dimensionais

```
ARRAY UNI(vetores) int numeros[5]; [0][1][2][3][4]
```

- Matrizes são arrays multi-dimensionais

```
ARRAY MULTI(matrizes) int numeros[5][5] [linhas][colunas]; [00][01][02][03][04] [10][11][12][13][14] [20][21][22][23][24] [30][31][32][33][34] [40][41][42][43][44]
```

- 5 Linhas e 5 Colunas
- -- Numa imagem, quando vemos o pixel, temos a perfeita representação de uma matrix. 512x512

```
//IMPRESSÃO

for(int i = 0; i < 2; i++){//for_percorrer_LINHAS
    for(int j = 0; j < 2; j++){//for_percorrer_COLUNAS
        printf("numeros[%d][%d] vale %d\n", i, j,numeros[i][j]);
    }
}

You, a few seconds ago * Uncommitted changes</pre>
```

```
PS C:\User\\disp\\Decry\left\\Decry\left\\Decry\\Decry\\Box\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decry\\Decr
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