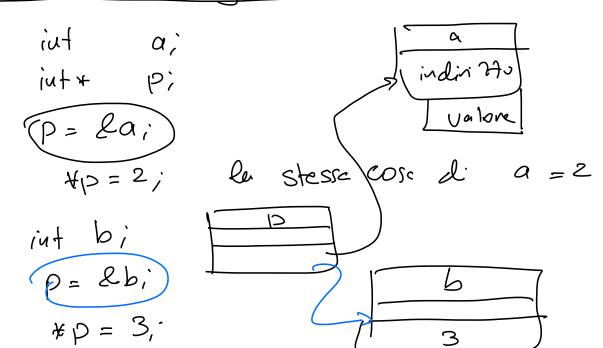
## Poutatorie Array 2D



( votico) voticio	votices (votices)
0x3 0x7	0xb j=0 j=1 j=2
int mat [3] [3]	1=0 1 2 3
mat[][7]	$\int_{3}^{2} \left  \frac{4}{5} \right  \left  \frac{5}{6} \right $

separator();

```
ShaBookPro14:LabCalc2024 rahatlou$ gcc -o /tmp/app array2d.c -lm
int mat[NMAX][NMAX] = \{1,2,3, 4,5,6, 7,8,9\};
int l.k:
                                                 ShaBookPro14:LabCalc2024 rahatlou$ /tmp/app
                                                 ====== mat[0] = 0x16b4af734 =======
for(l=0; l<NMAX; l++) {
  printf("===== mat[%d] = %p =====\n", l, mat[l]);</pre>
                                                                                   mat[0][2]
                                                 mat[0][0]
                                                                  mat[0][1]
                                                                                   0x16b4af73c
                                                 0x16b4af734
                                                                  0x16b4af738
 for(k=0; k< NMAX; k++) {
    printf("mat[%d][%d] \t", l, k);
                                                                                                     2 matCl](K)
                                                        1
                                                                         2
                                                    ===== mat[1] = 0x16b4af740
 } // k loop on columns
                                                 mat[1][0]
                                                                                   mat[1][2]
                                                                  mat[1][1]
 printf("\n");
                                                 0x16b4af740
                                                                  0x16b4af744
                                                                                   0x16b4af748
 for(k=0; k< NMAX; k++) {
                                                       9 4
                                                                         5
  printf("%p\t", &mat[l][k]);
                                                       } // k loop on columns
                                                 mat[2][0]
                                                                  mat[2][1]
                                                                                   mat[2][2]
 printf("\n");
                                                                                   0x16b4af754
                                                                  0x16b4af750
                                                 0x16b4af74c
 for(k=0; k< NMAX; k++) {
 printf("%8d\t", mat[l][k]);
} // k loop on columns
 printf("\n");
} // l loop on rows
                                                    2, mat[0][0]
         mat (0)
                                                   2 mat (1)(0)
          mat [1]
                                                   2 mat [2](0)
           mat [2]
                                                                                             COJCOJ trom S
                                                       mat = 0x16b4af734
  // mat e` un puntatore
  printf("mat = %p\n", mat);
                                                       *mat = 0x16b4af734
                                                       **mat = 1
  // *mat e` ancora un puntatore
  printf("*mat = %p\n", *mat);
                                                                       xuat purk a viga &
  // **mat e` il valore di mat[0][0]
  printf("**mat = %d\n", **mat);
                                                                                           +1: coloure 1
                                                            +-+-+-+-+-+-+-+-+-
// puntatore a mat[0][1] equivale a &mat[0][1]
                                                            *mat+1 = 0x16b4af738
printf("*mat+1 = %p\n", *mat+1);
                                                            *(*mat+1) = 2
printf("*(*mat+1) = %d\n", *(*mat+1));
                                                            separator();
                                                            *(mat+1) = 0x16b4af740
                                                            **(mat+1) = 4
// puntatore a mat[1][0] equivale a &mat[1][0]
                                                            +-+-+-+-+-+-+-+
printf("*(mat+1) = %p\n", *(mat+1));
                                                            *(mat+2) = 0x16b4af74c
printf("**(mat+1) = %d\n", **(mat+1));
                                                            **(mat+2) = 7
separator();
                                                            *(mat+2)+1 = 0x16b4af750
                                                            *(*(mat+2)+1) = 8
// puntatore a mat[2][0] equivale a &mat[2][0]
                                                                                         -+-+-+-+-+-+-+-+-+-
printf("*(mat+2) = %p\n", *(mat+2));
                                                               ShaBookPro14: LabCalc 2024 \ rahatlou\$ \ gcc \ -o \ /tmp/app \ array 2d.c \ -lm ShaBookPro14: LabCalc 2024 \ rahatlou\$ \ /tmp/app
printf("**(mat+2) = %d\n", **(mat+2));
                                                               ====== mat[0] = 0x16b4af734 ====
mat[0][0] mat[0][1] ma
separator();
                                                                                     mat[0][2]
                                                               0x16b4af734
                                                                          0x16b4af738
                                                                                     0x16b4af73c
                                                                    mat[1] = 0x16b4af740
// puntatore a mat[2][1] equivale a &mat[2][1]
                                                               mat[1][0]
0x16b4af740
4
                                                                                     mat[1][2]
                                                                          mat[1][1]
printf("*(mat+2)+1 = %p\n", *(mat+2)+1);
printf("*(*(mat+2)+1) = %d\n", *(*(mat+2)+1));
                                                                          0x16b4af744
                                                                                     0x16b4af748
```

= mat[2] = 0x16b4af74c ==

mat[2][2]

0x16b4af754

mat[2][0]

int voti [1000] [1000]

Celle 223, 3431

$$*(*(voti + 223) + 3431) = 18$$

Voti [223] [3431]

Voti [223] [3431]

int rubik [3][3][3];

## Fuu 2 on; x = Sart(y).

Stompe Matrice ( mat );

$$X \in (a_1 + b_1) \times = a_1 + b_2 \times b_4 \times b_$$

moveta = genera Move fal)

Funzione: insieure d'istruzioni (algoritus)

```
input: dati di perten 2e
 output: deti- 0 c 2 ou le coursière
Furkoui giè Usche:
          pnntf( -- >
          sart()
           Sin (x)
           lroud 48()
          Nouve ( argomenti)
tipo
          foreu ( . , . )
           time ()
           Srand 48 ( fue (0) );
      sart (xxx)
        Sin ( Sart (M-Pi) );
     pintf(" 1d \u", x*2);
     printf("x = x.1f \u", sqv+(y)):
       y = rad Bibilon (x);
       theta = mypic);
```