

0	1	2	3	4
3	1	7	2	2

e[]

```
for (i=1; i<5; i++) {
  e[i] = e[i-1] + e[i];
}
```

~~e[0] = 7;~~ ←

0	1	2	3	4
3	4	11	13	15

e[]

Somme prefixe

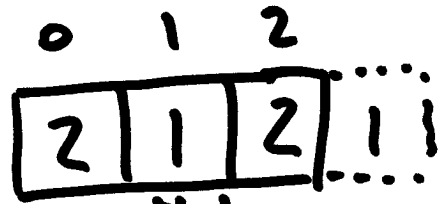
$$e[1] = e[0] + e[1]$$

$$e[2] = e[1] + e[2]$$

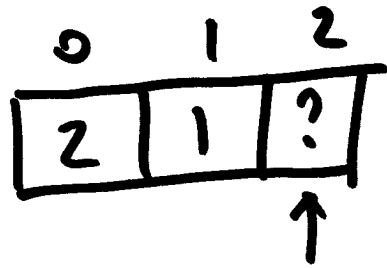
$$e[3] = e[2] + e[3]$$

$$e[4] = e[3] + e[4]$$

$N=3$



```
for (i=0; i < N; i=i+2) {  
  a[i]=2;  
  a[i+1]=1;  
}
```



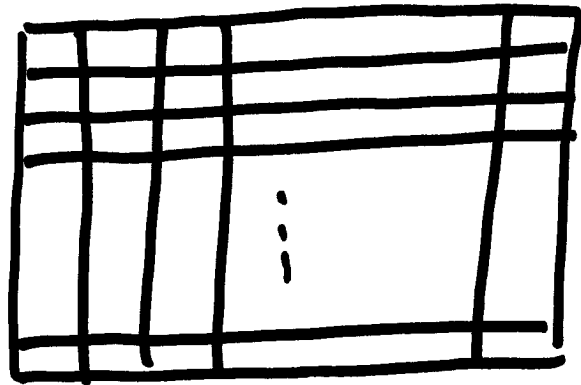
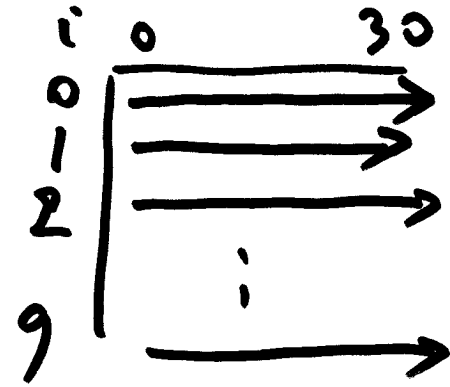
$$\frac{i}{2}$$

$$\frac{i}{2}$$

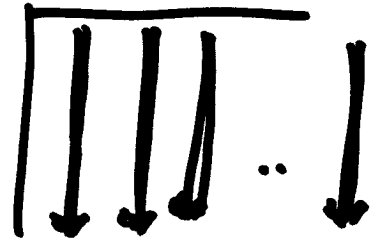
```

for (i=0; i < 10; i++) {
  for (j=0; j < 30; j++) {
    m[i][j] = 1;
  }
}

```



m [10] [30]



```

for (j=0; j < 30; j++) {
  for (i=0; i < 10; i++) {
    m[i][j] = 1;
  }
}

```

int m[4][3] = { {1, 2, 3}, {4, 5, 6}, {7, 8, 9}, {10, 11, 12} };

	0	1	2
0	1	2	3
1	4	5	6
2	7	8	9
3	10	11	12

$$m[1][2] == 6$$

$$m[3][0] == 10$$

$$m[3][2] == 12$$

	0	1	2	3
0				x
1			x	
2		x		
3	x			

(0, 3) 3

(1, 2) 3

(2, 1) 3

(3, 0) 3

$(i+j == N-1)$

```

for (i=0; i<N; i++) {
  for (j=0; j<N; j++) {
    if (i+j == N-1) {
      m[i][j] = 1;
    } else {
      m[i][j] = 0;
    }
  }
}

```