

Project		
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By	Date	



# Hanson

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9 & 0x08

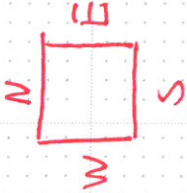
1001

1000

1000

9 & 0x08

bit order: WSEN



bit-wise  
AND  
operation

Maze 5x6

Entry

Exit

0110 6	1010 10	1100 12	0110 6	1010 10	1100 12	0110 6	1010 10	1100 12	0001 1
0101 5	0010 2	1001 9	0011 3	1100 12	0001 1	0110 6	1010 10	1100 12	0011 3
0011 3	1100 12	0110 6	1000 8	0011 3	1100 12	0110 6	1010 10	1101 13	1001 9
0110 6	1011 11	1001 9	0110 6	1110 14	1001 9	0110 6	1010 10	1001 9	0011 3
0011 3	1010 10	1010 10	1001 9	0011 3	1001 9	0110 6	1010 10	1001 9	0011 3

5

4

3

2

1

0

0

1

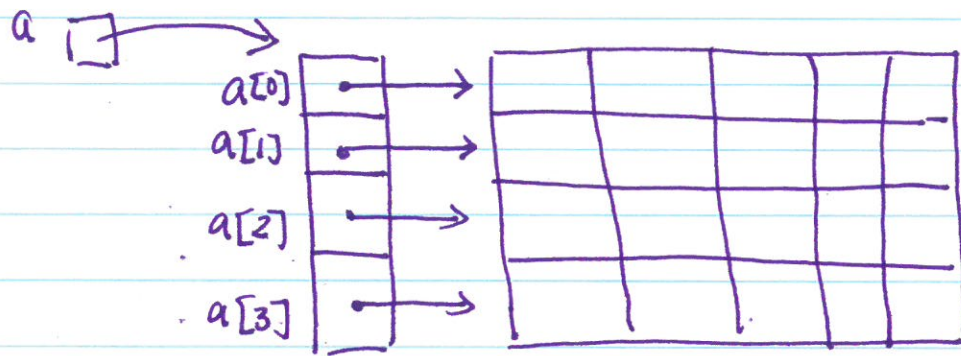
2

3

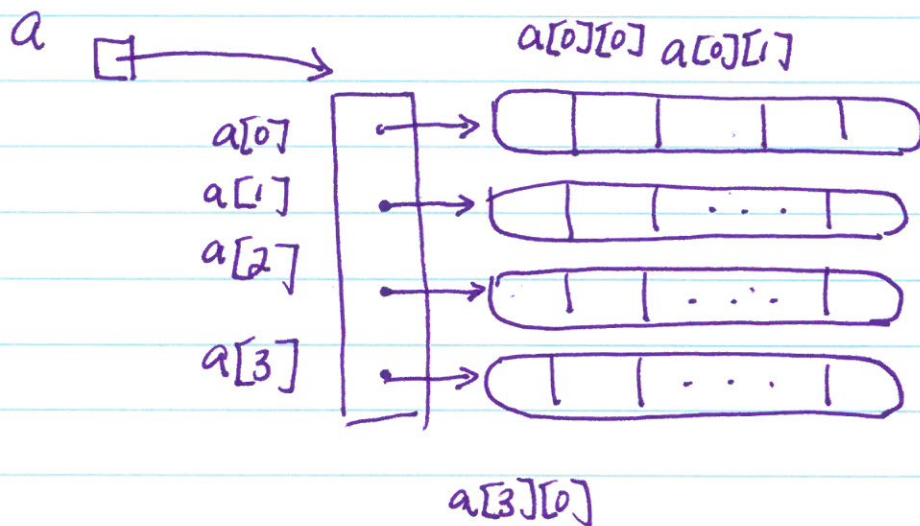
4

2D array of integers

```
int a[4][5]
```



```
int **a;
```



```
int **a;
```

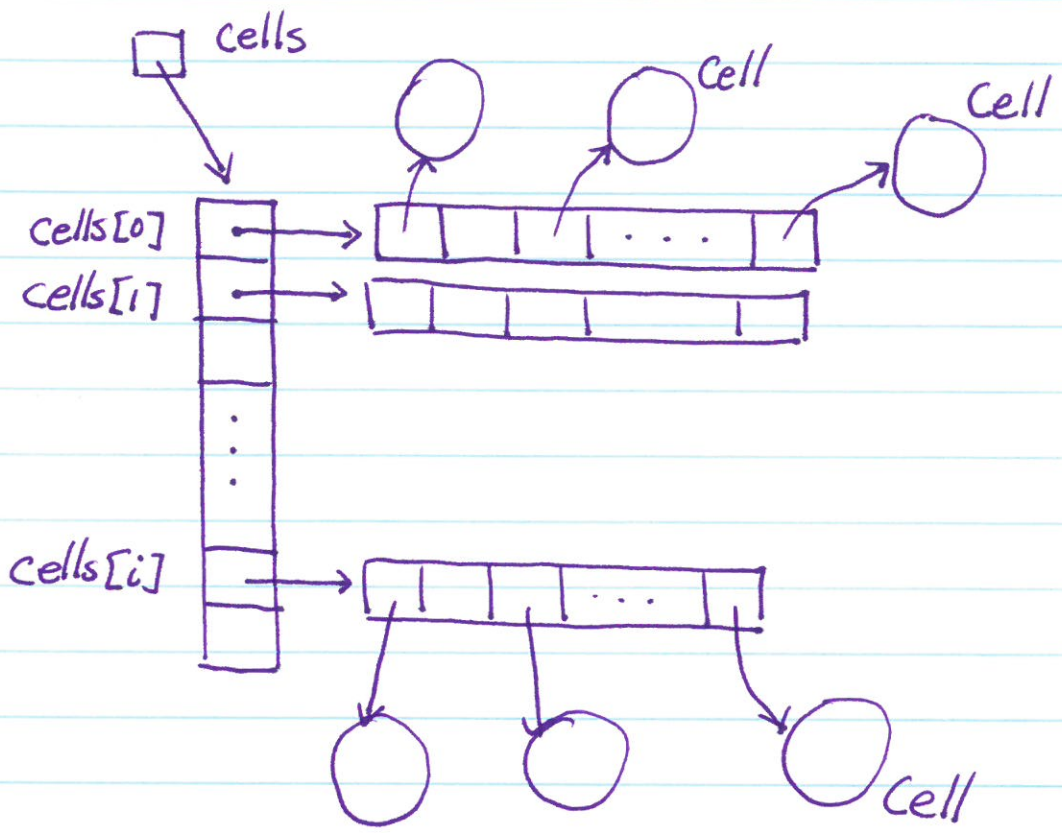
```
a = new int * [4]
```

```
for (int i=0; i<4; i++)
```

```
    a[i] = new int [5];
```

2D array of pointers

Cell \*\*\* cells;



e.g. cells[4][3]

int a[10]

OR int \* a = new int [10]

