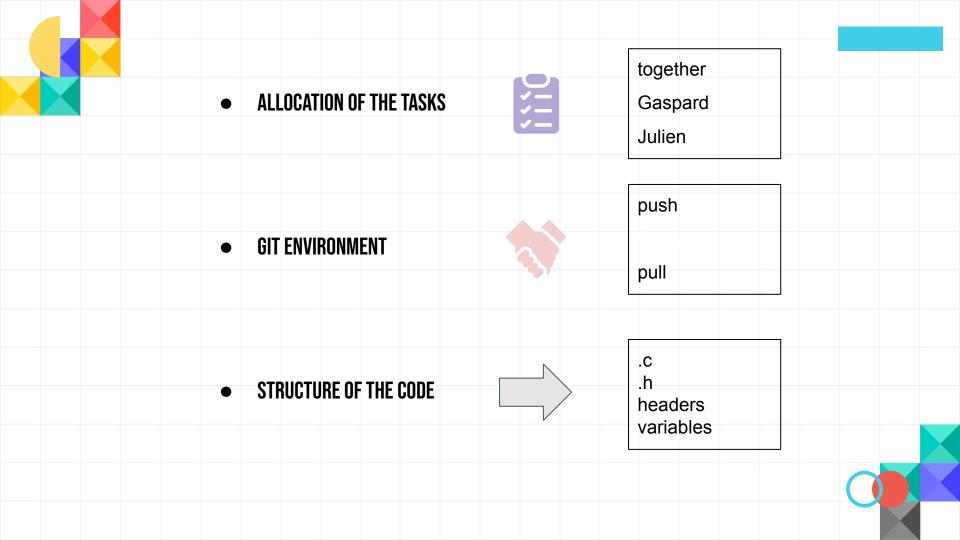
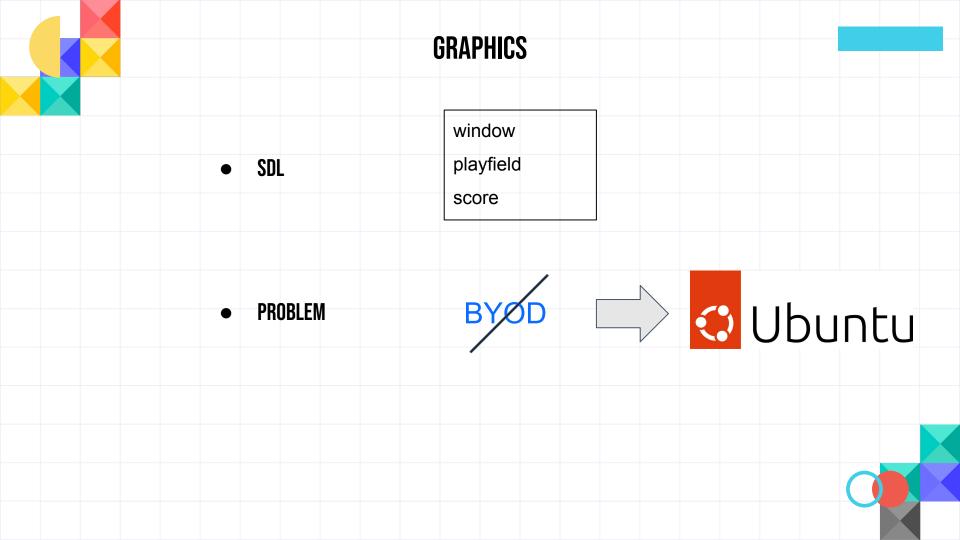
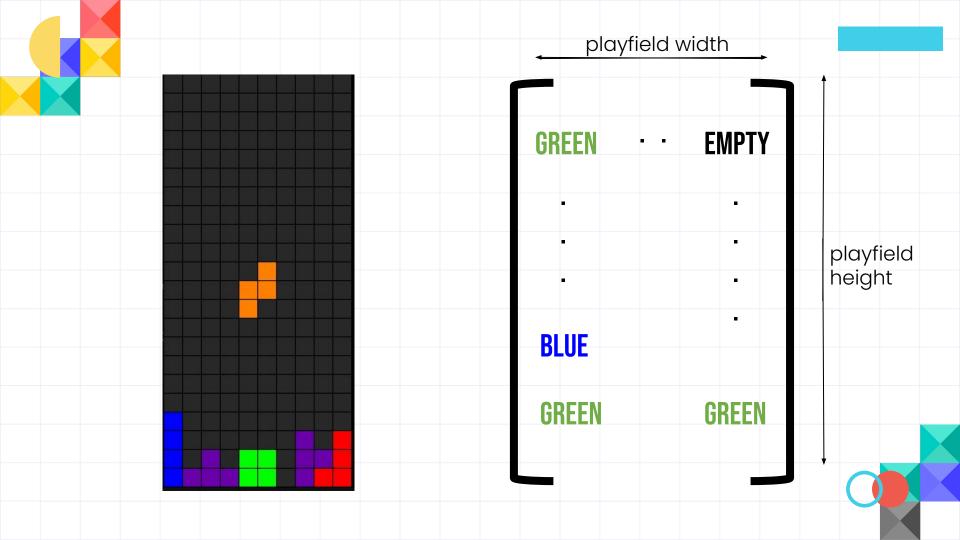
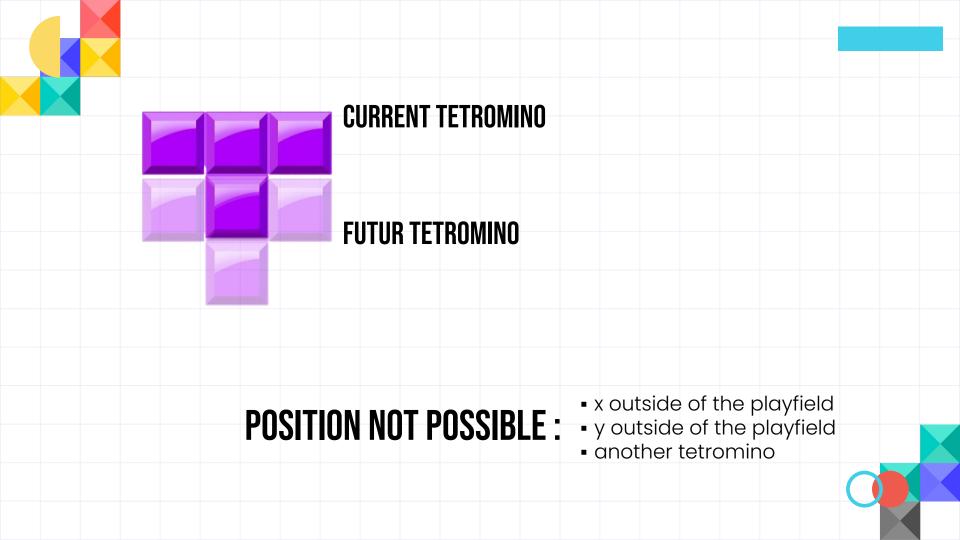
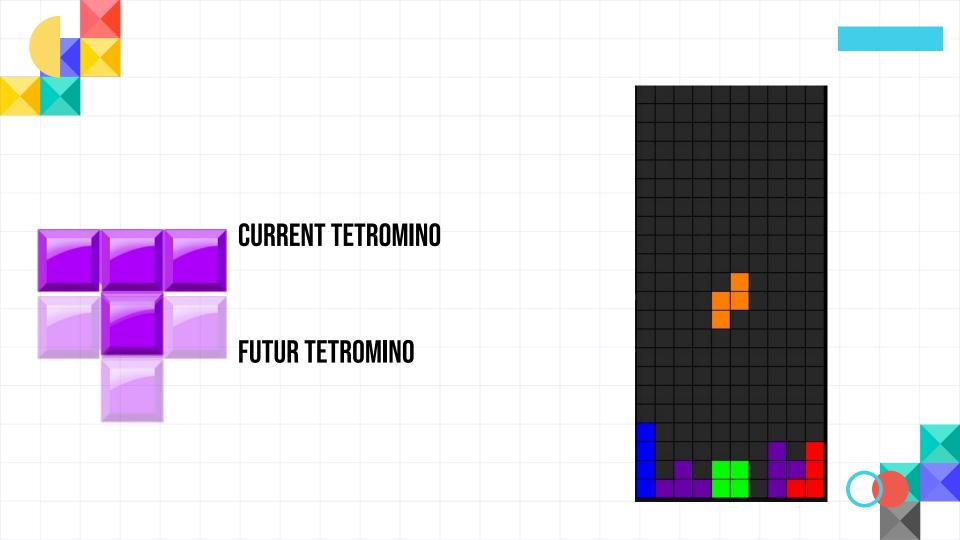
TETRIS PROJECT Gaspard MATIC Julien SEGONNE







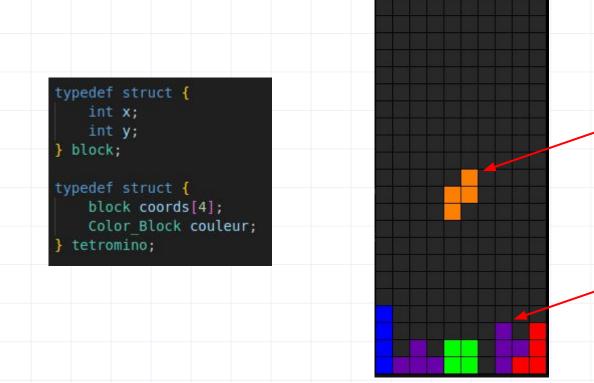


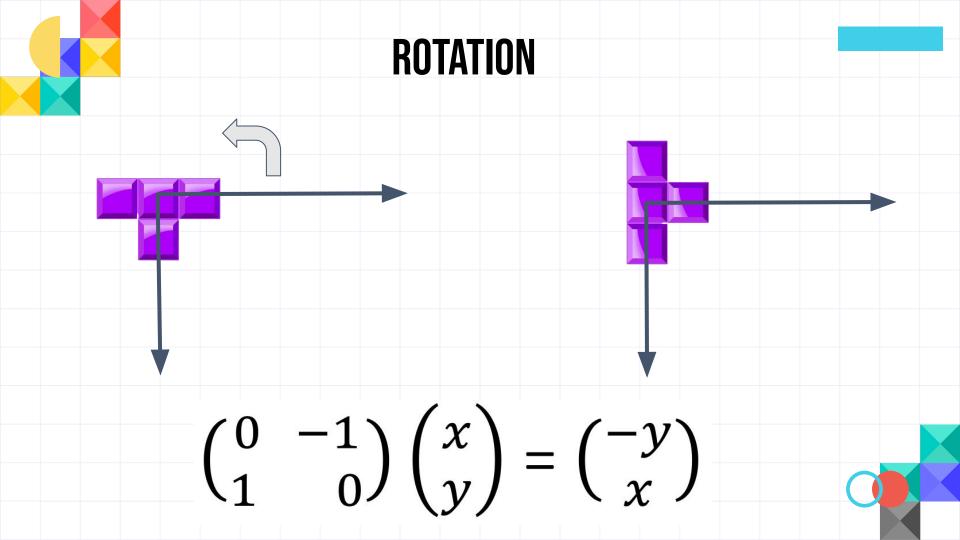


SOLUTION: TETROMINO STRUCT

TETROMINO STRUCT

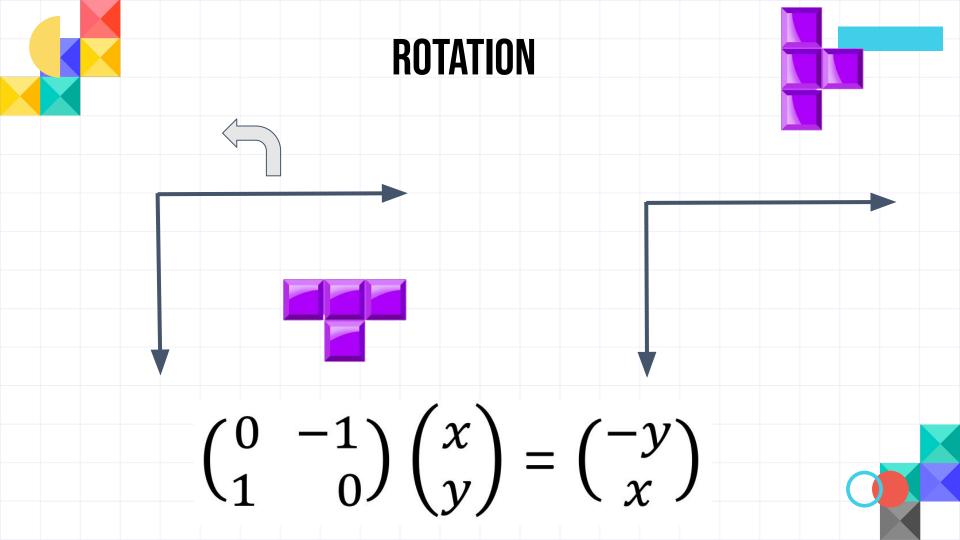
IN THE ARRAY





$$\begin{pmatrix} 0 & -1 \\ 1 & 0 \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} -y \\ x \end{pmatrix}$$

```
for (int i =0; i<4;i++) { //centrage
    tetrominoFutur.coords[i].y = tetrominoFutur.coords[i].y - tetrominoCourant.coords[0].y;
    tetrominoFutur.coords[i].x = tetrominoFutur.coords[i].x - tetrominoCourant.coords[0].x;
for (int i =0; i<4;i++) { //rotation
    temp = tetrominoFutur.coords[i].x;
    tetrominoFutur.coords[i].x = -tetrominoFutur.coords[i].y;
    tetrominoFutur.coords[i].y = temp ;
for (int i =0; i<4;i++) { //remet a la place
    tetrominoFutur.coords[i].y = tetrominoFutur.coords[i].y + tetrominoCourant.coords[0].y;
    tetrominoFutur.coords[i].x = tetrominoFutur.coords[i].x + tetrominoCourant.coords[0].x;
```



DISPLAYING THE SCORE

