8주차 예비보고서

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**1.**

도표, 기술 도면, 평면도, 스케치이(가) 표시된 사진

자동 생성된 설명

텍스트, 스크린샷, 번호, 폰트이(가) 표시된 사진

자동 생성된 설명

2.

int CheckToMove(char field[HEIGHT][WIDTH], int currentBlock, int blockRotate, int blockY, int blockX ){

for i from 0 to BLOCK\_HEIGHT-1

for j from 0 to BLOCK\_WIDTH-1

if (block[currentBlock][blockRotate][i][j] == 1) {

if (f[i + blockY][j + blockX] == 1) return 0;

if (i + blockY >= HEIGHT || i + blockY < 0 || j + blockX >= WIDTH || j + blockX <) return 0;

}

}

}

return 1;

}

void DrawChange(char field[HEIGHT][WIDTH], int command, int currentBlock, int blockRotate, int blockY, int blockX ){

x=blockX y=blockY

switch(command)

case KEY\_RIGHT

x-=1

case KEY\_LEFT

x+=1

case KEY\_UP

blockrotate=(blockrotate+1)%4

case KEY\_DOWN

y-=1

for i from 0 to BLOCK\_HEIGHT-1

for j from 0 to BLOCK\_WIDTH-1

if(block[currentblock][blockRotate][i][j]==1 && i+y>=0)

move(i+y+1,j+x+1);

print(“.”)

DrawBlock();

Move();

}

void AddBlockToField (char field[HEIGHT][WIDTH], int currentBlock, int blockRotate, int blockY, int blockX ){

for i from 0 to BLOCK\_HEIGHT-1

for j from 0 to BLOCK\_WIDTH-1

if(block[currentBlock][blockRotate][i][j]==1)

if (blockX + j < 0 or blockX + j >= WIDTH or blockY + i < 0 or blockY + i >= HEIGHT)

field[blockY+i][blockX+j]=1

}

int DeleteLine(char field[HEIGHT][WIDTH]){

ret=0

check=FAlSE

for i from 0 to HEIGHT-1

check=TRUE

for j from 0 to WIDTH-1

if(field[i][j]==0)

check=FALSE

if(check==TRUE)

ret++

for x from i-1 to 0

for y from 0 to WIDTH-1

field[x+1][y]=field[x][y]

return ret\*ret\*100;

}

void BlockDown(int sig){

if(CheckToMove()==1)

blockY++

Drawchange()

Else

If(blockY==-1)

gameOver=1

AddBlockToField()

score+=DeleteLine()

nextBlock[0]=nextBlock[1]

nextBlock[1]=rand()%7

DrawNextBlock()

PrintScore()

DrawField()

}