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UML Class Diagram

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| --- |
| Points |
| - points: Integer  - prepoints: Integer |
| + backZero()  + changePoint(a:Integer)  + get(): Integer  +prev(): Integer |

|  |
| --- |
| MainWindow |
| - grid[4][4]: Integer  - lastgrid[4][4]: Integer  - regretgrid[4][4]: Integer  - ifCombined[4][4]: bool  - ifMove: bool  - pointCnt: Points \* |
| <<constructor>>+ MainWindow(parent: QWidget \*)  + keyPressEvent(event: QKeyEvent \*)  + moveUp(i: Integer, j: Integer)  + moveDown(i: Integer, j: Integer)  + moveRight(i: Integer, j: Integer)  + moveLeft(i: Integer, j: Integer)  + bound(i: Integer, j: Integer): bool  + allNonZero(): bool  + possible(): Integer  + refreshBoard()  + showLabel()  + hideLabel()  - on\_pushButton\_pressed()  - on\_pushButton\_released()  - on\_pushButton\_2\_pressed()  - on\_pushButton\_2\_released() |

