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Cell Class API Documentation

Public Member Functions

GetSolution()

Returns the value of solution assigned to the cell.

C++

```
int GetSolution()
```

Parameters

None

Returns

solution (Int32)

The value of solution currently assigned to the cell.

Exceptions

None

SetSolution(Int32)

Sets the value of solution assigned to the cell.

C++

```
void SetSolution(int answer);
```

Parameters

answer (Int32)

The solution value being assigned to the cell.

Returns

None

Exceptions

None

GetValue()

Returns the value of value currently assigned to the cell.

C++

```
int GetValue()
```

Parameters

None

Returns

value (Int32)

The value of value assigned to the cell.

Exceptions

None

SetValue(Int32)

Sets the value of value assigned to the cell.

C++

```
void SetValue(int val);
```

Parameters

val (Int32)

The value of value being assigned to the cell.

Returns

None

Exceptions

None

isHardwired()

Returns whether or not the cell is hardwired.

C++

```
bool isHardwired();
```

Parameters

None

Returns

hardwired (bool)

Returns true if the cell is hardwired.

Returns false if the cell is not hardwired.

Exceptions

None

SetHardwired(bool)

Sets the value of hardwired assigned to the cell.

C++

```
void SetHardwired(bool h);
```

Parameters

h (bool)

The true/false value of hardwired being assigned to the cell.

Returns

None

Exceptions

None

GetNotes()

Returns the integer array of notes assigned to the cell.

C++

```
int * GetNotes();
```

Parameters

None

Returns

notes (int [])

The integer array of notes assigned to the cell.

Exceptions

None

SetNotes(Int32, Int32)

Sets the given value at the given index of the notes integer array.

C++

```
void SetNotes(int index, int value);
```

Parameters

index (Int32)

The index in notes where the value will be assigned.

value (Int32)

The value being assigned at the given index of notes.

Returns

None

Exceptions

None

GetRow()

Returns the value of row assigned to the cell.

C++

```
int GetRow()
```

Parameters

None

Returns

row (Int32)

The value of row currently assigned to the cell.

Exceptions

None

SetRow(Int32)

Sets the value of row assigned to the cell.

C++

```
void SetRow(int r);
```

Parameters

r (Int32)

The row value being assigned to the cell.

Returns

None

Exceptions

None

GetCol()

Returns the value of column assigned to the cell.

C++

```
int GetCol()
```

Parameters

None

Returns

col (Int32)

The value of column currently assigned to the cell.

Exceptions

None

SetCol(Int32)

Sets the value of column assigned to the cell.

C++

```
void SetColumn(int c);
```

Parameters

c (Int32)

The column value being assigned to the cell.

Returns

None

Exceptions

None

Private Variables

value (Int32)

The value assigned to the cell.

notes (int[])

The integer array of notes assigned to the cell.

hardwired (bool)

The true/false value of whether the cell is hardwired or not assigned to the cell.

solution (Int32)

The solution assigned to the cell.

row (Int32)

The row assigned to the cell.

col (Int32)

The column assigned to the cell.