

Q: How do I programmatically make a multiple selection in a matrix? I want it to behave exactly as though the user had shift-clicked to select several cells.

A: You must call **setState:** and **highlight:inView:lit:** for each cell that you want to select. Here is a code fragment which will select all the even-numbered cells and deselect all the odd-numbered cells in a matrix.

```
int rows;

[matrix getNumRows:&rows numCols:NULL];
[matrix lockFocus];
while (rows--) {
    NXRect rect;
```

```
    BOOL even = (((rows % 2) == 0) ? 1 : 0);  
    id cell = [matrix cellAt:rows:0];  
    [matrix getCellFrame:&rect at:rows :0];  
    [cell setState:even];  
    [cell highlight:&rect inView:matrix lit:even];  
}  
[matrix unlockFocus];  
[[matrix window] flushWindow];
```

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Valid for 1.0, 2.0, 3.0