PS4 DNA Sequence Alignment

In this project, I had to use the Needleman-Wunsch method to find the best allignment for two strings. In this assignment OO designs that were implemented were classes, and data structures used were arrays to create a 2d array in order to implement the Needlema-Wunsch method. In this assignment I learned different ways to use valgrind in order to find memory leaks, and the SFML library in order to determine the run time for different sequences.

One problem that I ran into was that I got stuck on how to delete a 2d array to get rid of memory leaks, but to solve this problem I used google to help me with it.

```
adam@adam-XPS-13-9360: ~/Desktop/COMP4/PS4
                                                                                          File Edit View Search Terminal Help
adam@adam-XPS-13-9360:~/Desktop/COMP4/PS4$ ls
bothgaps20.txt
                 ED.cpp
                          ED.o
                                      main.o
                                                  readme.txt
                                                               test.txt
                  ED.hpp
                          main.cpp
                                      Makefile
                                                sequence
adam@adam-XPS-13-9360:~/Desktop/COMP4/PS4$ ./ED < bothgaps20.txt
Edit distance: 12
a a 0
 z 2
z 2
b 0
c 0
  c
d
c
d
e
f
    0
  e
f
    0
    0
g
h
i
    0 0 2 2 2 2 0 0 0
  g
h
i
  m 0
 n 0
  0 0
  p 0
Execution time is 0.000147 seconds
adam@adam-XPS-13-9360:~/Desktop/COMP4/PS4$
```