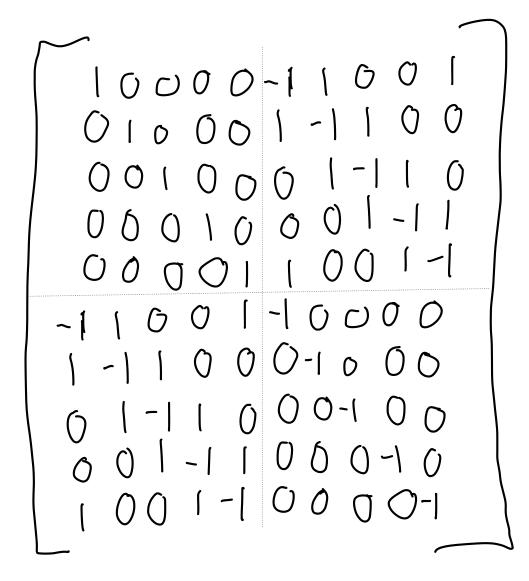
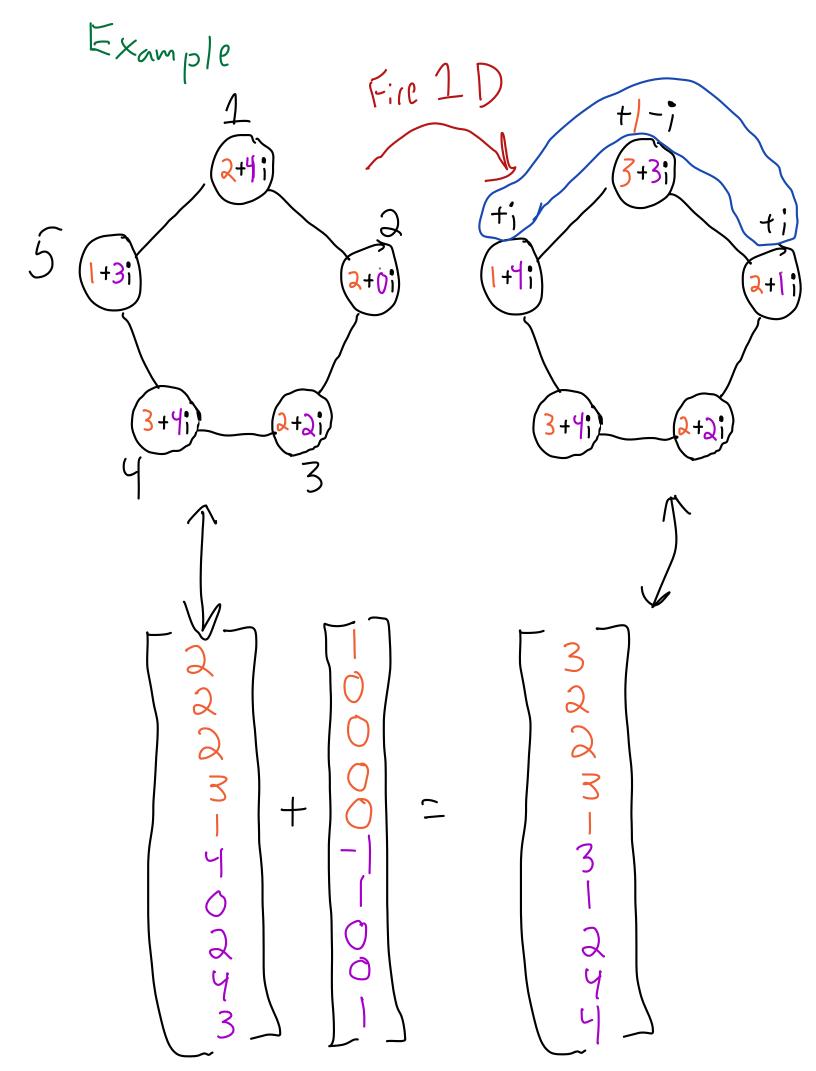
We Can encode a Configuration as a 10 Vector in the following Way. (Start with real parts, then imaginary Palts in the same order)

Consider the Following Matrix



Adding a Column of this matrix is just like "doing a move".

First 5 Columns are D" moves, last 5 are "C" moves in our current convention



gives the Change after doing three 1D firings, two 2D firings, one 3 C firing, one 4 A firing, and two 5 C firings.

To figure out how to get to a Particular configuration C, just take

```
10000-11001
010001-1100
0010001-110
00001-1
-11001-10000
1-11000-100
0 1-11 0 0 0-1 0 0
001-11000-10
 001-10000-1
```