

FINAL PROBLEM 116 - RED, GREEN, OR BLUE TILES

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How does my program work?

Function: `onecolor(color, N)`

Input: `color` = red, green, or blue; `N` = the number of way the color can fill the `N` blank tiles.

Variable: `ways` = a list that shows how many spaces are filled by the color.

For `ii` an integer in range `color` to `N+1`:

As it goes through the list it keeps a running count of how many ways that new space can be filled as well as the ones before it. The last element of the list will then say how many total ways a certain color can fill the `N` tiles. That number is returned.

Variable: `allcolors` = adds up red total ways, green total ways, and blue total ways.

Any patterns? It looks like the number of ways might increase exponentially.