Logan xu 3-7-22

Formula: Malb = Nalb + 2xx x: {0,1,2,..., n-2, n-3}

First we have that the radii for the nth roots of a complex number with radius a is Ta because multiplying a complex number with a radius Ta with itself n times gives a complex number with radius a. This will be the radius for all nth roots. Now we need to find the angles.

The first angle will be because multiply a complex number with angle b with itself n times gives a complex number with angle b. Each other angle will be a rotation of be around the origin. To be exact n rotation that together make up 2 tradians or 360 degrees. So n rotations totalling make up 2 tradians would be to 2 tradians h-1 times because if we did it n times by tradians h-1 times because if we did it n times we would get be again. So our angles are better where we would get to again. So our angles are better where the would get to again. This is how we get our formula.