

Similarly, we can iterate it further. The results of the iteration, are shown in table below.

Iteration number	V_2
0	$1 \angle 0^\circ$
1	$1.030776 \angle -14.036^\circ$
2	$0.970143 \angle -14.036^\circ$
3	$0.970261 \angle -14.93189^\circ$
4	$0.96623 \angle -14.931416^\circ$
5	$0.966236 \angle -14.995078^\circ$
6	$0.96548 \angle -14.995072^\circ$

Since, the difference in the values for the voltage doesn't change much between the 5th and the 6th iteration, we can stop after the 6th iteration.

Hence, we can see that starting with the value $V_2^0 = 1 \angle 0^\circ$, Convergence is reached in six steps.

