On comparing the top 5 pages by in-links and page rank algorithm of G1 as mentioned below, we can see that there are two common pages which are Renewable\_energy and United\_States. This is because with the increase in in-link count, there would be more number of in-link proportions added to current page rank, thus increasing the page rank. We can also notice that the other 3 pages from neither sets match, which also proves that page rank is not just affected by a high in-link count but also by other factors (number of out-links, number of sinks etc.). Also for the 3 pages in In-link (which are not present in page rank), the pages pointing to this set might not be popular hence this could influence the page rank even though it has more in link counts.

**Page Rank Top 5 pages in G1: In-link count Top 5 pages in G1:**

Integrated\_Authority\_File Renewable\_energy

National\_Diet\_Library Efficient\_energy\_use

Japan United\_States

United\_States Biofuel

Renewable\_energy Wind\_power

Similarly, we can observe the similar trend for G2 as seen below

**Page Rank Top 5 pages in G2: In-link count Top 5 pages in G2:**

WT21-B37-76 WT21-B37-76

WT21-B37-75 WT18-B29-37

WT25-B39-116 WT01-B18-225

WT23-B21-53 WT23-B27-29

WT24-B40-171 WT21-B37-75