Twitter Thread by Ferruccio Balestreri ■

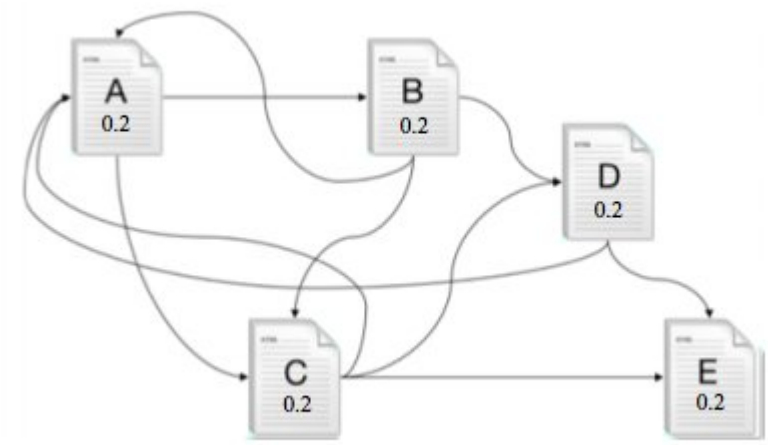


Ferruccio Balestreri ■
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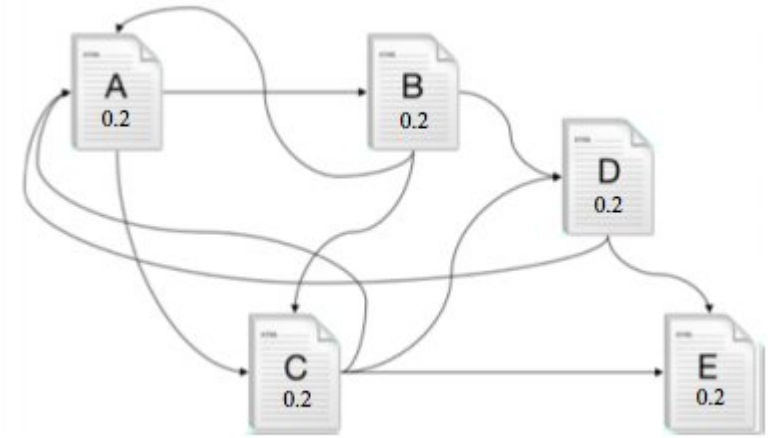
■■■■■ How Google's PageRank algorithm works

The PageRank algorithm gives each page a rating of its
importance, which is a recursively defined measure of importance, based on if important pages link to it.
It's recursive because the importance of a page refers back to the importance of other pages that link to it

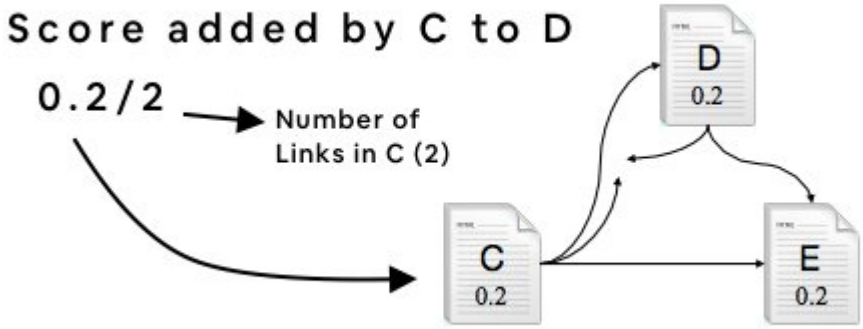
Here's how it works in practice:
1■ We start with some pages and crawl them for links



2■ Each page has 1/N points (where N as the total number of pages)



3■ Add points to each page for the amount of links to it, divided by the number of links emanating from the sources of these links



4■ If a page has no links redistribute its points equally among all the other pages

■ Repeat until the page points stabilise (what really happens repeating is that at each repetition there's a damping of the redistribution, but that's not easy to understand or explain ■ but you can imagine it as a "decay" of points being redistributed)