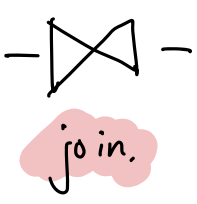


links: RDD[(URL, Seq(URL))]

src	dest.
bar	foo
bad	foo
foo	widget
widget	bar, foo.



ranks: RDD[(URL, Rank)]

bar	5
bad	4
foo	3
widget.	4.

src dest. Rank.

bar	foo	5
bad	foo	4
foo	widget	3
widget	bar, foo	4

RDD[(URL, (Seq(URL), Rank))]

flatMap

bar.	foo	5/1
bad.	foo	4/1
widget	bar	4/2
widget	foo.	4/2.

reduceBy Key.

rank₁₂₆.

foo	$5 + 4 + \frac{4}{2} = 11$
widget	$3/1 = 3$
bar	$4/2 = 2$
bad.	0

bar: 5

foo: 3 $\rightarrow 5 + 4 + \frac{4}{2} = 11$

bad: 4

