TF-IDF	
Intro to Web Science	
10 points	

Use Google and the search terms *Christmas vacation* to calculate the overall TF-IDF scores for the two results:

https://en.wikipedia.org/wiki/National Lampoon%27s Christmas Vacation https://www.rottentomatoes.com/m/national lampoons christmas vacation

Write all your work below so you can get partial credit if you make a mistake in your calculations. Round your final answers to 4 decimal places. Assume these results were obtained from Google, which has 10 billion pages in their index.