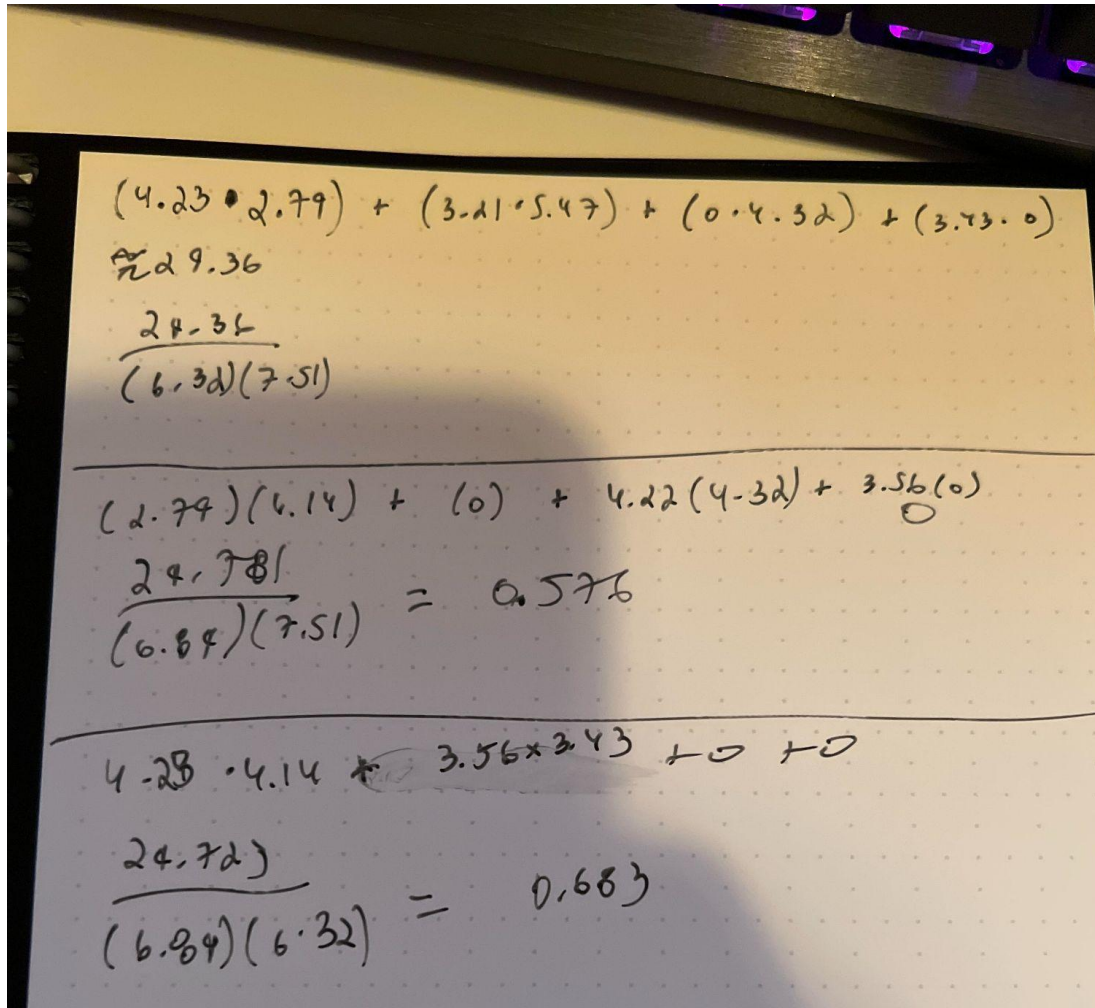


1B	<table><tr><td></td><td>Norm(Doc1)</td><td>Norm(Doc2)</td><td>Norm(Doc3)</td></tr><tr><td>Car</td><td>0.669</td><td>0.372</td><td>0.601</td></tr><tr><td>Auto</td><td>0.506</td><td>0.728</td><td>0</td></tr><tr><td>Insurance</td><td>0</td><td>0.575</td><td>0.612</td></tr><tr><td>Best</td><td>0.543</td><td>0</td><td>0.517</td></tr></table>		Norm(Doc1)	Norm(Doc2)	Norm(Doc3)	Car	0.669	0.372	0.601	Auto	0.506	0.728	0	Insurance	0	0.575	0.612	Best	0.543	0	0.517
	Norm(Doc1)	Norm(Doc2)	Norm(Doc3)																		
Car	0.669	0.372	0.601																		
Auto	0.506	0.728	0																		
Insurance	0	0.575	0.612																		
Best	0.543	0	0.517																		
1C	<div>Doc1: 0.619 Doc2: 0.576 Doc3: 0.683</div>  <p>Handwritten calculations:</p> $\frac{(4.23 \cdot 2.79) + (3.21 \cdot 5.47) + (0.4 \cdot 32) + (3.73 \cdot 0)}{\sqrt{24.36}} = 0.619$ $\frac{(2.79)(6.14) + (0) + 4.22(4.32) + 3.56(0)}{\sqrt{(6.84)(7.51)}} = 0.576$ $\frac{4.23 \cdot 4.14 + 3.56 \cdot 2.43 + 0 + 0}{\sqrt{(6.84)(6.32)}} = 0.683$																				
2																					

Term Frequency

Term	Doc1	Doc2	Doc3
Normal	15	44	54
Form	8	13	35

Term Frequency

Term	Search
Normal	1
Form	1

Term Frequency

Term	
Normal	5090000000
Form	4990000000

TDIF

	Url 1	Url 2	Url 3	Url 4	Url 5	Query
TDIF	10.040	11.550	12.090	0	17.970	6.80
Cosine	14.070	13.850	7.230	11.930	12.100	5.56
Similarity	12.380	11.810	8.750	10.02	10.800	4.74
Normal	21.260	21.560	16.580	15.58	24.210	9.98

IDF * log10

(TFIDF URL * TFIDF Query) / URL * Query Magnitudes = X Cos Similarities