

Name			
	KA	DA	N
deer	1.0	1.0	4
forest	0.28	0.5194419168941462	2
pangram	0.07692307692307693	0.14285714285714285	2
tree	1.0	1.0	2
woodm	0.22727272727272727	0.27882037533512066	3
1984	0.1875	0.23076923076923078	4
finnegan	1.0	1.0	2

1. How does the value of n affect the decipherment accuracy it achieves?

When $n = 1$, the decipherment accuracy is close to the decipherment accuracy which is gotten by frequency analysis.

When n increases, mostly time the decipherment accuracy will increase as well. The decipherment accuracy will attach the highest DA during the increment of n . And after attaching the highest, the decipherment accuracy will decrease.

2. How does this hill-climbing solver compare to the textbook solver?

The hill-climbing solver is better than the textbook solver. For the solver from the textbook, the KA and DA is low. For the hill-climbing solver, the AK and DK is higher by decrypting the same cipher text. And for the hill-climbing solver, the KA and DA can even reach 1.0, that means the hill-climbing solver can completely solve the cipher text.