

	效果不好	something that google can recognize as an lol term; something that more than one term, such as jungle tip, ap carry; some terms that are ambiguous, such mid (mid-game / mid-lane)					
	效果一般						
	效果很好	some terms in lol terminology, such as mf, tf, mao, and hat					
			Solr	Solr-expand	Google		
1	aa	I want to know what is auto attack, and some information related to it	1+ 2- 3- 4- 5- 6- 7- 8- 9- 10- (although the webpages from 7-10 mention about aa, but they are not that relevant to what I care)	1+ 2+ 3+ 4+ 5+ 6+ 7+ 8+ 9- 10-	nothing related to lol		
			10%	80%	0%		
2	ad	I want to know what is ad, and some information related to it	1+ 2+ 3+ 4+ 5- 6- 7-8- 9- 10-	1+ 2+ 3+ 4+ 5+ 6+ 7+ 8+ 9- 10+			
			40%	90%			
3	ad character	I want to know the ad champions	The returned results are mainly related to character but they don't contain enough information about ad	The webpages returned are related to attack, but don't focus on ad character	nothing related to lol		
			0%	0%	0%		

4	ap	I want to know what is ap, and something related to it	1+ 2+ 3+ 4+ 5+ 6+ 7+ 8- 9- 10-	All the webpages returned are related to ap	Nothing related to lol		
			70%	100%	0%		
5	ap character	I want to know the ap champions	1+ 2- 3- 4- 5- 6- 7+ 8+ 9+10+ I'm not sure how to evaluate the webpages focusing on the champions' skills. They are seem to be relevant, but not that relevant because they go a little bit too further.	1- 2- 3+ 4+ 5- 6- 7- 8- 9- 10+	1- 2+ 3+ 4+ 5+ 6- 7- 8- 9- 10-		
			50%	30%	40%		
6	carry	I want to know what does carry mean in lol, and something related to it	1+ 2+ 3+ 4- 5- 6- 7- 8+ 9+ 10+	same	nothing related to lol		
			60%		0%		
7	ad carry	I want to know what is ad carry and which champions can be played as ad carrier and something related	1+ 2- 3+ 4- 5- 6- 7- 8+ 9+ 10+	1+ 2+ 3- 4- 5- 6+ 7+ 8- 9- 10-	1+ 2+ 3+ 4+ 5+ 6+ 7+ 8+ 9+ 10+		
			50%	40%	100%		
8	ap carry	I want to know what is ap carry and which champions can be played as ap carrier and something related	1+ 2- 3- 4- 5- 6- 7+ 8+ 9+ 10-	1+ 2+ 3- 4+ 5+ 6+ 7+ 8+ 9+ 10+			
			40%	100%	100%		

9	competition	I'm wondering if there are any compeition for lol gamers	1+ 2+ 3- 4+ 5- 6- 7- 8- 9+ 10-		nothing related to lol		
			40%		0%		
10	mf	I want some information about the champion Miss Fortune. I typed in mf because that is the name people call it in the game	1+ 2- 3- 4- 5- 6- 7- 8- 9- 10-	1+ 2- 3+ 4+ 5+ 6+ 7+ 8+ 9+ 10+			
			10%	90%	0%		
11	tf	I want some information about the champion Twisted Fate. I typed in tf because that is the name people call it in the game	1- 2- 3- 4- 5- 6- 7- 8- 9- 10-	1- 2- 3- 4+ 5+ 6+ 7+ 8+ 9+ 10+			
			0%	70%	0%		
12	lee	I want some information about the champion Lee Sin. I typed in lee because that is the name people call it in the game	1+ 2- 3+ 4+ 5+ 6+ 7+ 8+ 9+ 10+	1+ 2+ 3+ 4+ 5+ 6+ 7+ 8+ 9+ 10+			
			90%	100%	0%		
13	mao	I want some information about the champion Maokai. I typed in mao because that is the name people call it in the game	1+ 2+ 3- 4- 5- 6- 7- 8- 9- 10-	1+ 2+ 3+ 4+ 5+ 6+ 7+ 8+ 9+ 10+			
			20%	100%	0%		

14	assassin	I want to know which champions can be played as an assassin in lol and how	1+ 2+ 3+ 4+ 5+ 6+ 7+ 8+ 9+ 10+	same			
			100%		0%		
15	jungle tip	I want to be a jungler in lol, so I need some tips	Maybe it is because the limitation of data, the returned results are not that satisfied. Maybe I should just search jungler.	same	1+ 2+ 3+ 4+ 5+ 6+ 7+ 8+ 9- 10-		
			0%		80%		
16	supporter	I want to know which champions can be played as a supporter in lol and how	1+ 2- 3+ 4- 5- 6+ 7+ 8- 9- 10-	same			
			40%		0%		
17	healer	I want to know which champions can be played as healer in lol and how		same			
			100%		0%		
18	how to gank	I want to learn how to gank other players in lol	1+ 2- 3- 4- 5- 6- 7- 8- 9- 10-	same	1+ 2+ 3+ 4+ 5+ 6+ 7+ 8+ 9+ 10+		
			10%		100%		
19	mid strategy	I want to learn how to play mid lane	In the webpages mid is considered as mid-game		1+ 2- 3- 4- 5- 6- 7- 8- 9- 10+		
			0%		20%		

		I want to learn more about the item Rabadon's Deathcap. Hat is what people call it in the game	1+ 2- 3- 4- 5- 6+ 7+ 8+ 9+ 10+	1+ 2+ 3+ 4- 5- 6- 7- 8- 9- 10-	nothing about lol		
20	hat		60%	30%	0%		