Subtash A:

is -> [1] nice -> [1->3->9] sun -> [2,->3->6->7->8] water -> [1->2->4->5->9]

Subtask 8:

is -> [1] wice -> [1 -> 3 -> 9] sun -> [2 -> 3 -> 8 -> 7 -> 87 water -> [1 -> 2 -> 4 -> 5 -> 97

Example query: nice water -> nice AND water result set: {1,9}

The skip pointer saved one step in the water" postings list. When the pointers where at (nice: 3) and (water: 4) the pointer at the smaller value could proceed directly to (water: 9) via the skip pointer.

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Task 2
  Pseudo code:
  terms = sort From Low To Kight requency ([ta, tz,...,tn])
  queue = enqueue ALL (terms)
  result = dequeue (queue)
  while queue not empty:
      postingsdist = dequeue (queue)
      result = intersect (result, postingsdist)
8 return result
  Example: t= [1,3,4,7,8,9], t= [2,3,4,9,11,12,13], t= [1,2,3,4,5]
1) terms = [+3, +1, +2]
2) queue = +2, +1, +3
                                    postingsList = tz
                                   result = [1,34] n tz
3) result = t3
  tz, to not empty:
                                  = is empty
  do
                              8) return [3,47
   postingsdist = tn
      result = +3:11 = [1,3,4]
  It not empty:
```

Task3
Gates[4] -> [1(3), 2(6), 3(2,17), 4(1)]

Microsoff[4] -> [1(1), 2(1,21), 3(3), 5(16,22,51)]

Comparisons:

We step through the inverted index portings lists as usually, comparing the ids.

Additionally, if the ids match we compare the positions of the respective do words in the respective documents.

Result: (not including the query words) downent ids = [1,3]

	To	ash	£ 4				
			10	li	10	In	
				i   2		4	
_	C	1	0	1	2	3	
	0	2	1	1	1	2	
_	i	3	2	1	1	2	E .
1	n	4	3	2	2		
	1	1	1	1993	1		
					1		
With the operation number							
11 at Mi i=3, j=3 the							
transpose rule was applie							
which causes the whole							
						be o	
						e atio	
	3				_		

switch / transpose

Steps:

1. Di-1, j-1 +0

2. Di, j-1 +1

3. Di, j-1 +1

5. Di-1, j +1

5. Di-1, j-1 +0

8. Di, j-1 +1

9. Di-1, j-1 +0

9. Di-1, j-1 +0

10. Di-1, j-1 +0

12. Di, j-1 +1

13. Di-1, j + 1

ne 14. Di-1, j + 1

15. Di-1, j + 1

16. Di-1, j-1 + 0