Project\_Part2

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**Conclusion:**

is less than the minimum sum of upper bounds of terms in the documents in top\_k.

**Prove：**

After modification, became a constant and will not be compared with score any more in the pseudo code.

While still has to be compared with tmp\_s\_lim, which record the sum of upper bounds of terms in candidates list. (Line 14 in pseudo code)

If is a litter bit larger than minimum sum of upper bounds, some candidates could not pass the threshold.

If is smaller than minimum sum of upper bounds, extra terms which have low weight cannot be filtered.