

Ex 2

• we sort the list according to their heads

$$t_3 \rightarrow 1, 4, 7, 13, 15$$

$$ub_3 = 0.7$$

$$t_2 \rightarrow 2, 3, 5, 7, 8, 11$$

$$ub_2 = 1$$

$$t_1 \rightarrow 5, 6, 7, 8, 11$$

$$ub_1 = 0.4$$

• the pivot is $\boxed{5} \in t_1$, that we then search in lists t_2, t_3 ; because $\Theta = 2 < ub_1 + ub_2 + ub_3$

• $\boxed{5}$ occurs in t_2 but it does not occur in t_3 , thus its score is not evaluated because it will only be smaller than $ub_1 + ub_2 = 1.4$, which is smaller than the current threshold $\Theta = 2$

• Hence, we discard 5, and we repeat ~~the~~ the algorithm from the following configuration:

$$t_1 \rightarrow 6, 7, 8, 11$$

$$t_2 \rightarrow 7, 8, 11$$

$$t_3 \rightarrow 7, 13, 15$$

• the pivot is $\boxed{7}$ which actually occurs in all three lists and thus its score has to be evaluated to check whether it enters the heap of the best scores or not.