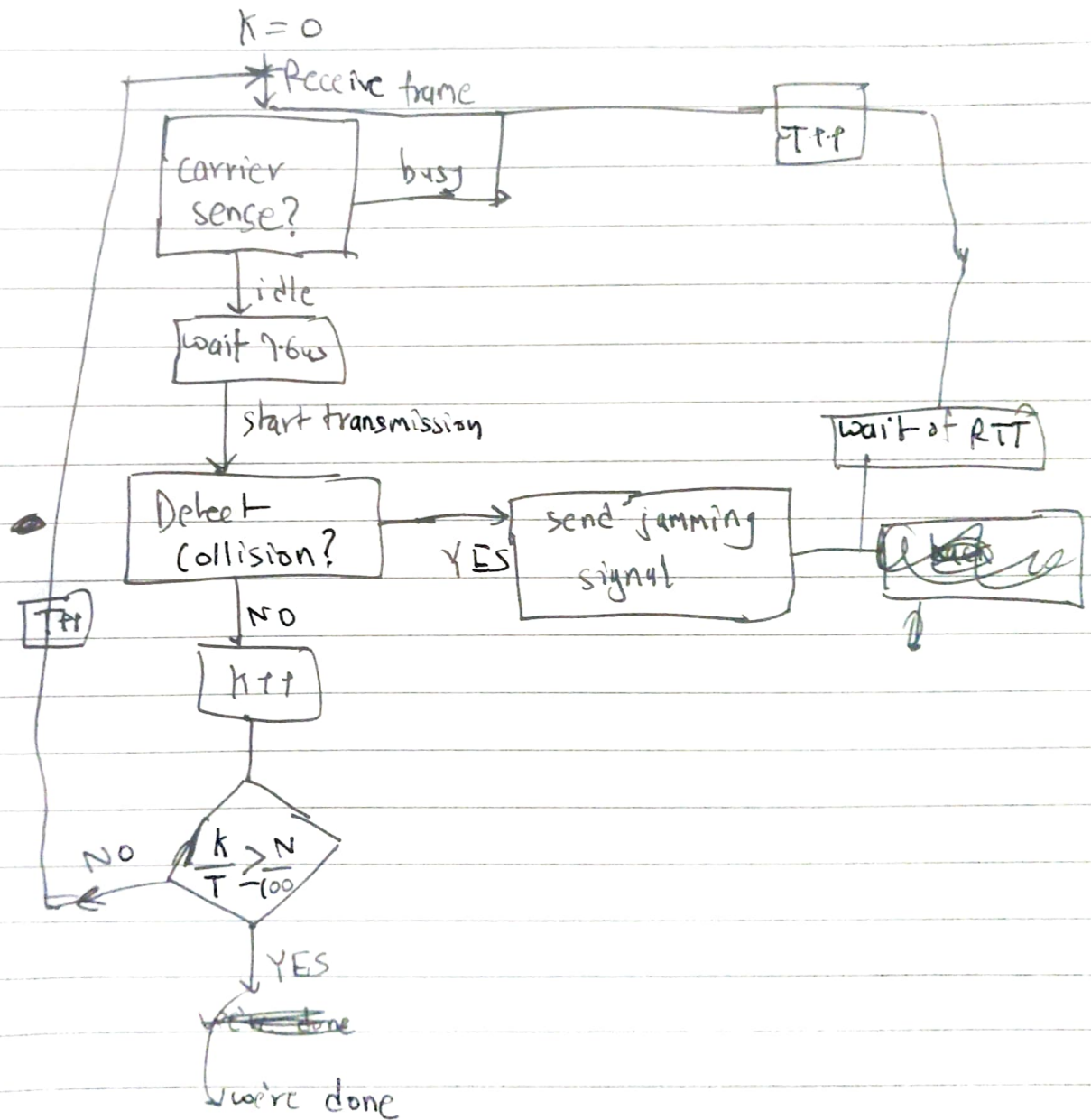


1) let the node have a counter to measure total frames passed, successful or otherwise. (T)

let  $k$  = no. of successful frames.



2)  $T_A = T_C$  by simple symmetry.

Now, as for  $T_B$ , ~~when~~ B, will not transmit when either of  $A$ , or  $C$ , are transmitting as it can carrier sense due to its proximity to both  $A$ , and  $C$ . Hence  $T_B < T_A = T_C$