$k = 8$

$N = 7$

K → list
↳ avg ch.

A B C D E F G H

temp — 0
(1+A) — 1
+B — 2
+C → 3
+D → 4
+E = 5
= 6
⋮

$1(1+2+3+4+5+6+7 \cdots\cdots K)$

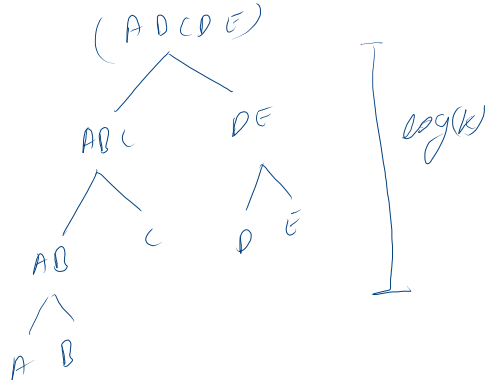
$1 \frac{(K)(K+1)}{2}$

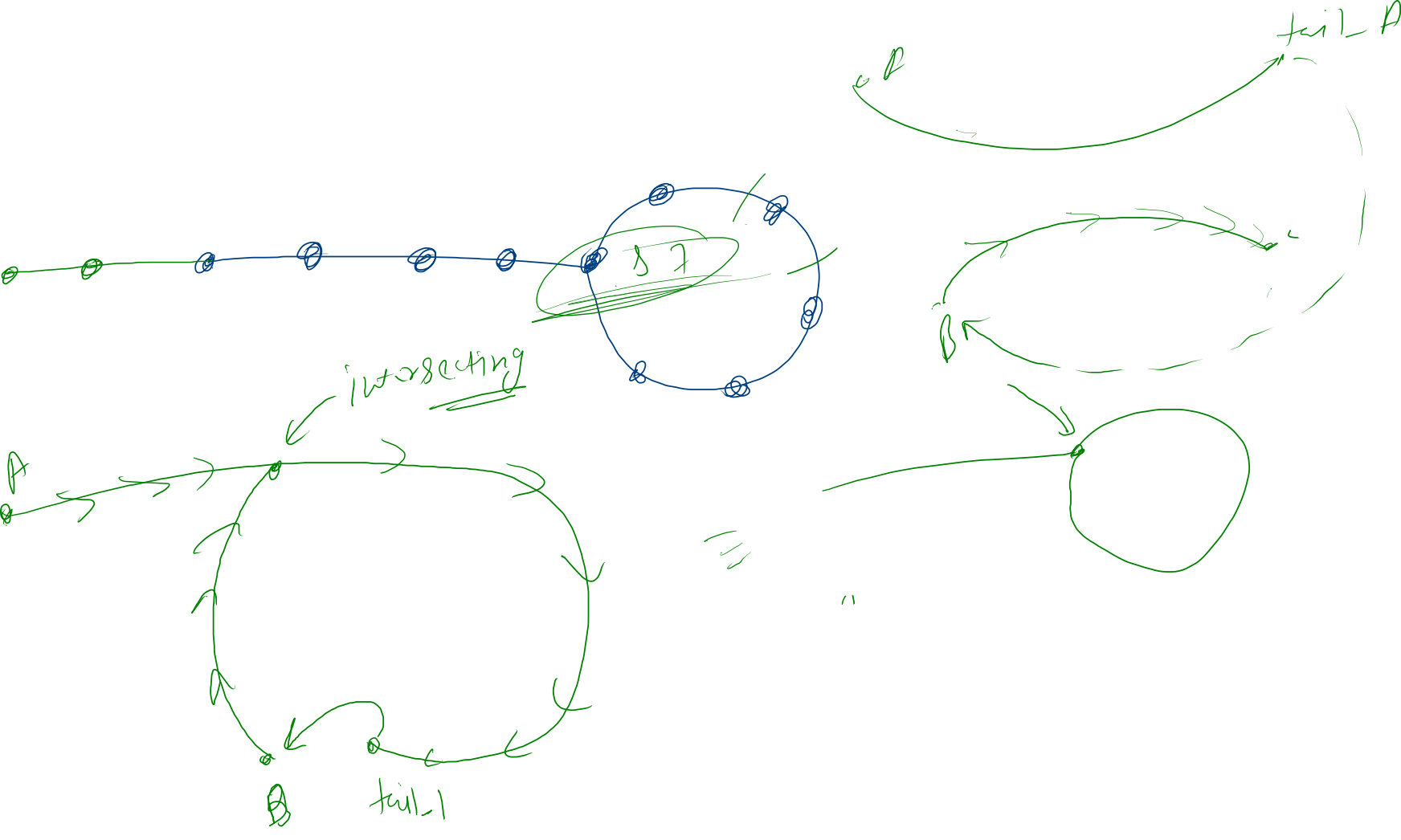
$T = 2K^2$

$T = (2K) \cdot K$

$\boxed{T = N \cdot K}$

NK → $N \log(k)$




tail_A
A
intersecting
A
B
tail_1