

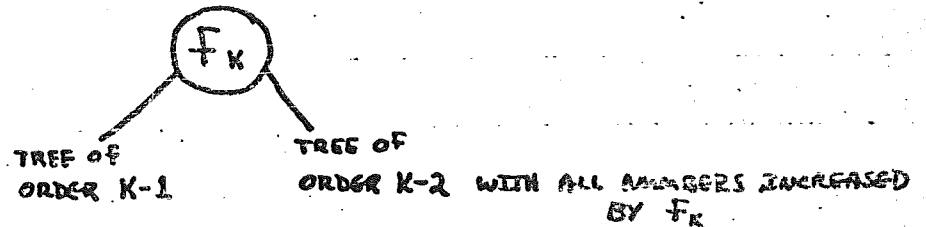
Fibonacci Search Trees

A Fibonacci Tree of Order K has $\begin{cases} F_{K+1} - 1 & \text{INTERNAL NODES} \\ F_{K+1} & \text{EXTERNAL NODES} \end{cases}$

where $F_0 \ F_1 \ F_2 \ F_3 \ F_4 \ F_5 \ F_6 \ F_7 \ F_8 \ \dots$
 $0 \ 1 \ 1 \ 2 \ 3 \ 5 \ 8 \ 13 \ 21$

for $K = 0$ or 1 , the tree is $\boxed{0}$

$K \geq 2$,



TREE OF ORDER 6 ($N=12$)

