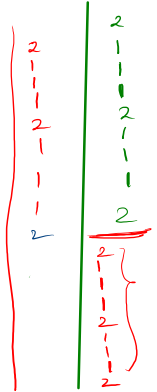
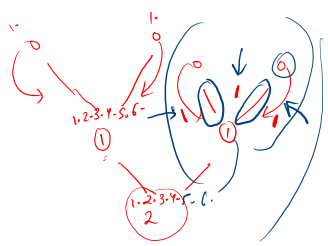


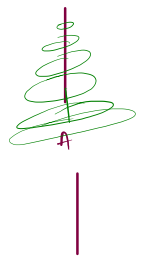
$n=2$

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1. $f(0)$
 2. $f(1)$
 3. $f(2)$
 4. $f(3)$
 5. $f(4)$
 6. $f(5)$
 7. $f(6)$



$n=3$
 $n=4$
 $n=5$
 $n=6$
 $A \rightarrow B$



$n \rightarrow \text{rings}$
 $n=3$

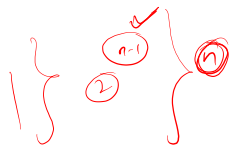
Solution
step 1/2/3

$A \rightarrow B$ (1)
 $A \rightarrow C$ (2)
 $B \rightarrow C$ (1)
 $A \rightarrow B$ (3)
 $C \rightarrow A$ (1)
 $C \rightarrow B$ (2)
 $A \rightarrow B$ (1)

Faith:- $2 \rightarrow \text{rings} \rightarrow 9$ will solve by step -
 $n-1$

Expectation:-

$n=3$



$n=3$
 $n=4$
 $n=5$