

Homeomorphically Irreducible Trees of size $n=10$.

It is an acyclic graph where there are more than

5 two branches from each internal vertex.

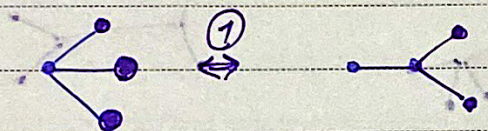
The size $n=10$ means there are 10 vertices (internal or edge)

10

There are 2 transformation:

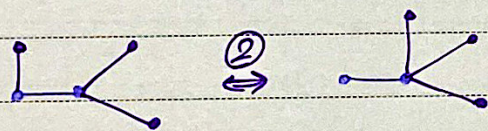
① Takes three leaves (edge vertices) from an internal vertex and generates a new internal vertex with two leaves

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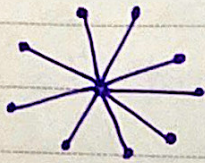


② Move a leaf from one internal vertex to another.

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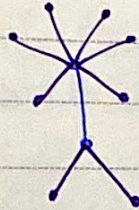


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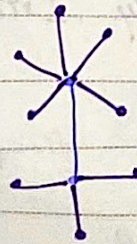


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1



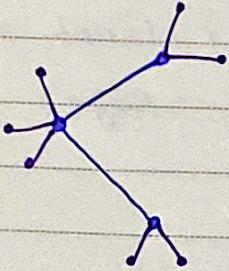
2



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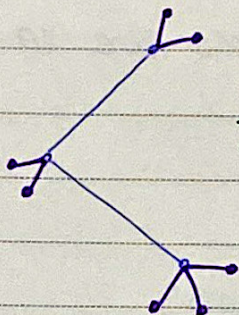


5



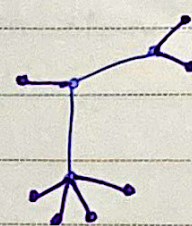
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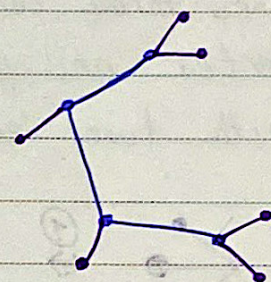
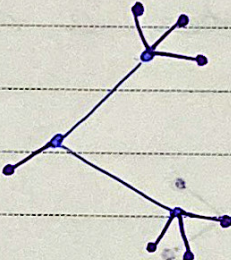
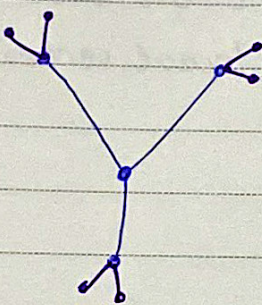
2

2



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