

Connected graphs with no node a member of more than one cycle

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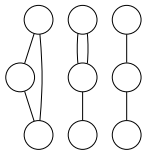
$$A(1)=1$$



$$A(2)=2$$

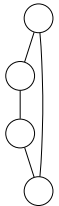


$$A(3)=3$$

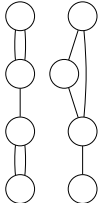


$$A(4)=8$$

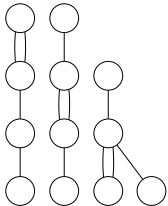
1 with a skeleton tree on one node



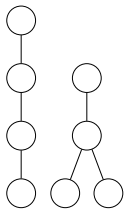
2 with a skeleton tree on 2 nodes



3 with a skeleton tree on 3 nodes

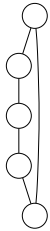


2 trees on 4 nodes

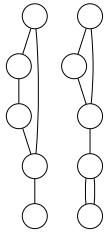


$A(5)=18$

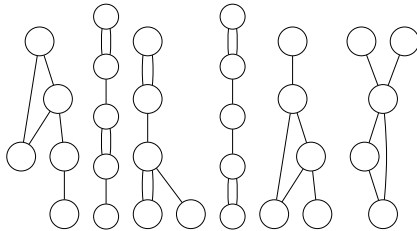
1 with a skeleton tree on one node



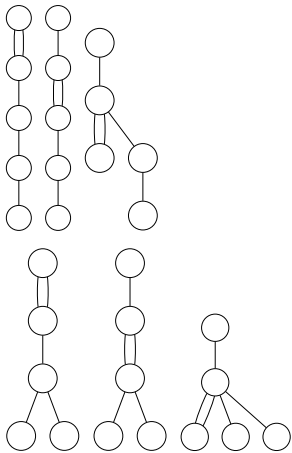
2 with a skeleton tree on 2 nodes



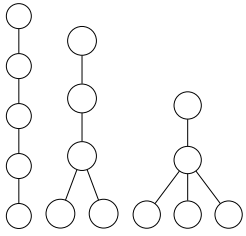
6 with a skeleton tree on 3 nodes



6 with a skeleton tree on 4 nodes

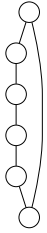


3 trees on 5 nodes

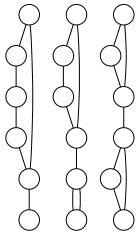


$$A(6)=56$$

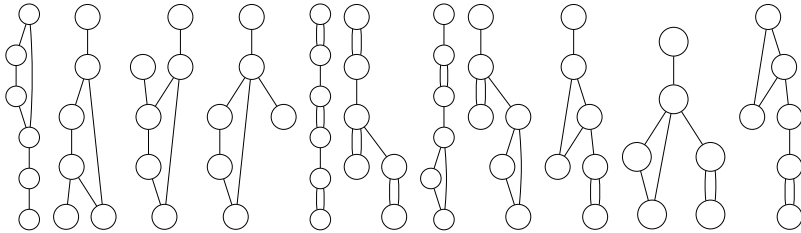
1 with a skeleton tree on one node



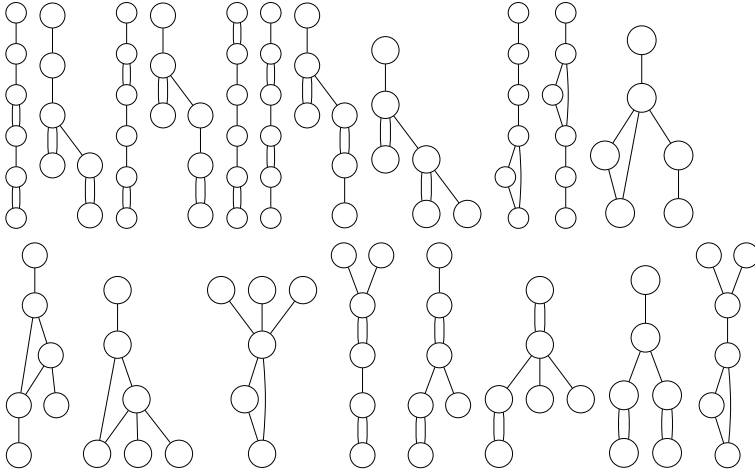
3 with a skeleton tree on 2 nodes



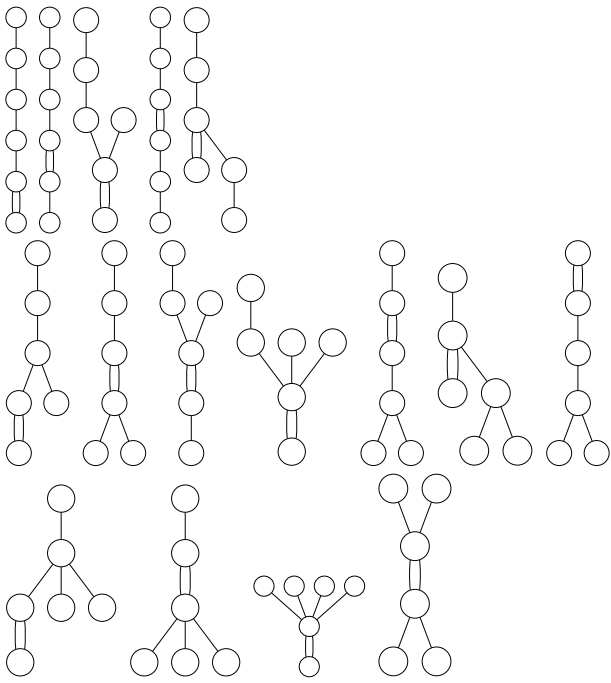
11 with a skeleton tree on 3 nodes



19 with a skeleton trees on 4 nodes



16 with a skeleton tree on 5 nodes



6 trees on 6 nodes

