

[illegible]

```

Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,15->31,15->32,16->33,16->34,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - d1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,7->15,7->16,15->31,15->32,16->33,16->34,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,8->17,8->18,15->31,15->32,17->35,17->36,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,8->17,8->18,15->31,15->32,18->37,18->38,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,8->17,8->18,15->31,15->32
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,7->15,7->16,8->17,8->18,15->31,15->32}
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,9->19,9->20,15->31,15->32
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,10->21,10->22,15->31,15->32}
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,7->15,7->16,15->31,15->32}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * a1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,7->15,7->16,15->31,15->32}
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,6->13,6->14,7->15,7->16,15->31,15->32}
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - b1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,16->33,16->34,33->67,33->68,67->135,67->136,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,16->33,16->34,33->67,33->68,68->137,68->138,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,16->33,16->34,33->67,33->68,34->69,34->70,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,8->17,8->18,16->33,16->34,33->67,33->68,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,16->33,16->34,33->67,33->68,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - d1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,7->15,7->16,16->33,16->34,33->67,33->68,

```



```

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,8->17,8->18,17->35,17->36,18->37,18->38}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,8->17,8->18,17->35,17->36}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - d1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,7->15,7->16,8->17,8->18,17->35,17->36}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,8->17,8->18,18->37,18->38,37->75,37->76}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,8->17,8->18,18->37,18->38,38->77,38->78}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,8->17,8->18,18->37,18->38}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - d1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,7->15,7->16,8->17,8->18,18->37,18->38}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,8->17,8->18,9->19,9->20}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,8->17,8->18,10->21,10->22}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,7->15,7->16,8->17,8->18}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * a1 - d1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,7->15,7->16,8->17,8->18}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - e1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,6->13,6->14,7->15,7->16,8->17,8->18}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - e1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,9->19,9->20,19->39,19->40}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,9->19,9->20,20->41,20->42}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,9->19,9->20,10->21,10->22}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,7->15,7->16,9->19,9->20}];
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * c1 - d1

```

```

Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,10->21,10->22,21->43,21->44},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1 * G)},
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,7->15,7->16,10->21,10->22,22->45,22->46},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1 * G)},
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,7->15,7->16,10->21,10->22}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * d1 - b1 * a1)},
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,5->11,5->12,7->15,7->16}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (c1 * a1 - b1 * c1)},
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,6->13,6->14,7->15,7->16}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * a1 - b1 * c1)},
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,7->15,7->16,11->23,11->24}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * b1), b1 == x * (c1 * G - b1 * b1)},
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,7->15,7->16,12->25,12->26}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - b1 * c1)},
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,6->13,6->14,7->15,7->16}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - b1 * c1)},
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,6->13,6->14,7->15,7->16,13->27,13->28}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - b1 * c1)},
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,6->13,6->14,7->15,7->16,14->29,14->30}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - b1 * c1)},
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,8->17,8->18,17->35,17->36,35->71,35->72,71->143,71->144},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1 * G)},
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,8->17,8->18,17->35,17->36,35->71,35->72,72->145,72->146},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1 * G)},
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,8->17,8->18,17->35,17->36,35->71,35->72,36->73,36->74},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1 * G)},
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,8->17,8->18,17->35,17->36,18->37,18->38,35->71,35->72},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1 * G)},
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,8->17,8->18,17->35,17->36,35->71,35->72},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - d1 * a1)},
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,8->17,8->18,17->35,17->36,35->71,35->72},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * G - d1 * a1)}]
```



```

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,8->17,8->18,18->37,18->38,37->75,37->76}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - d1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,8->17,8->18,18->37,18->38,37->75,37->76}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,8->17,8->18,18->37,18->38,38->77,38->78,77->155,77->156}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,8->17,8->18,18->37,18->38,38->77,38->78,78->157,78->158}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,8->17,8->18,18->37,18->38,38->77,38->78}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - d1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,8->17,8->18,18->37,18->38,38->77,38->78}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * G - d1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,8->17,8->18,9->19,9->20,18->37,18->38}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - e1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,8->17,8->18,10->21,10->22,18->37,18->38}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,8->17,8->18,18->37,18->38}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * a1 - d1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,8->17,8->18,18->37,18->38}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - e1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,6->13,6->14,8->17,8->18,18->37,18->38}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - e1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,8->17,8->18,9->19,9->20,19->39,19->40}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,8->17,8->18,9->19,9->20,20->41,20->42}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,8->17,8->18,9->19,9->20,10->21,10->22}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,8->17,8->18,9->19,9->20}]]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * d1 - b1
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,8->17,8->18,10->21,10->22,21->43,21->44}]]

```

```

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,8->17,8->18,10->21,10->22,22->45,22->46}

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,8->17,8->18,10->21,10->22}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * c1 - |
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,5->11,5->12,8->17,8->18}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * a1 - |
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,6->13,6->14,8->17,8->18}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (c1 * a1 - |
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,8->17,8->18,11->23,11->24}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - e
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,8->17,8->18,12->25,12->26}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * b1), b1 == x * (c1 * G - d
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,6->13,6->14,8->17,8->18}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - e
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,6->13,6->14,8->17,8->18,13->27,13->28}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - e
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,6->13,6->14,8->17,8->18,14->29,14->30}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - e
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,9->19,9->20,19->39,19->40,39->79,39->80}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,9->19,9->20,19->39,19->40,40->81,40->82}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,9->19,9->20,19->39,19->40,20->41,20->42}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,9->19,9->20,10->21,10->22,19->39,19->40}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,9->19,9->20,19->39,19->40}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (a1 * c1 - |
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,9->19,9->20,20->41,20->42,41->83,41->84}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,9->19,9->20,20->41,20->42,42->85,42->86}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b

```


[illegible]

```

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (a1 * G - b
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,6->13,6->14,14->29,14->30,29->59,29->61
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (a1 * G - b
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,6->13,6->14,14->29,14->30,30->61,30->6
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (a1 * G - b
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,19->39,19->40,39->79,39->80,79->159,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,19->39,19->40,39->79,39->80,80->161,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,19->39,19->40,39->79,39->80,40->81,4
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,19->39,19->40,20->41,20->42,39->79,3
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,10->21,10->22,19->39,19->40,39->79,3
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,9->19,9->20,19->39,19->40,39->79,39->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (G * c1 - b
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,19->39,19->40,40->81,40->82,81->163,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,19->39,19->40,40->81,40->82,82->165,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,19->39,19->40,20->41,20->42,40->81,4
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,10->21,10->22,19->39,19->40,40->81,4
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,9->19,9->20,19->39,19->40,40->81,40->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (G * c1 - b
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,19->39,19->40,20->41,20->42,41->83,4
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,19->39,19->40,20->41,20->42,42->85,4
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,10->21,10->22,19->39,19->40,20->41,3

```



```

Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,6->13,6->14,9->19,9->20,13->27,13->28
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * b1), b1 == x * (G * c1 - b
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,6->13,6->14,9->19,9->20,14->29,14->30
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * d1 - b
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,21->43,21->44,43->87,43->88,87->17
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,21->43,21->44,43->87,43->88,88->17
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,21->43,21->44,43->87,43->88,44->88
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,21->43,21->44,22->45,22->46,43->87
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,10->21,10->22,21->43,21->44,43->87,43
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (G * c1 - b
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,21->43,21->44,44->89,44->90,89->17
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,21->43,21->44,44->89,44->90,90->17
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,21->43,21->44,22->45,22->46,44->88
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,10->21,10->22,21->43,21->44,44->89,44
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (G * c1 - b
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,21->43,21->44,22->45,22->46,45->90
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,21->43,21->44,22->45,22->46,46->90
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,10->21,10->22,21->43,21->44,22->45,22
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (G * c1 - b
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,5->11,5->12,10->21,10->22,21->43,21->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * d1 - b
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,6->13,6->14,10->21,10->22,21->43,21->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * d1 - b
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,22->45,22->46,45->91,45->92,91->17

```


[illegible]


```
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,6->13,6->14,12->25,12->26,13->27,13->28,27->55,27->56,55->111,56->113,111->113,113->113}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (c1 * d1 - a1 * c1)}, {x, a1, b1, c1, d1}],
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,6->13,6->14,12->25,12->26,14->29,14->30,29->59,29->60,59->119,60->119,119->119}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (c1 * c1 - a1 * c1)}, {x, a1, b1, c1}],
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,6->13,6->14,13->27,13->28,27->55,27->56,55->111,56->113,111->113,113->113}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (a1 * c1 - a1 * c1)}, {x, a1, b1, c1}],
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,6->13,6->14,13->27,13->28,14->29,14->30,29->59,29->60,59->119,60->119,119->119}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (a1 * c1 - a1 * c1)}, {x, a1, b1, c1}],
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,6->13,6->14,14->29,14->30,30->61,30->62,61->119,62->119,119->119}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (a1 * c1 - a1 * c1)}, {x, a1, b1, c1}],
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,6->13,6->14,13->27,13->28,27->55,27->56,55->111,56->113,111->113,113->113}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a1 * c1)}, {x, a1, b1, c1}],
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,6->13,6->14,13->27,13->28,27->55,27->56,28->57,28->58,57->115,58->115,115->115}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a1 * c1)}, {x, a1, b1, c1}],
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,6->13,6->14,13->27,13->28,28->57,28->58,58->117,58->117,117->117}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a1 * c1)}, {x, a1, b1, c1}],
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,6->13,6->14,13->27,13->28,14->29,14->30,29->59,29->60,60->119,60->119,119->119}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a1 * c1)}, {x, a1, b1, c1}],
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,6->13,6->14,14->29,14->30,29->59,29->60,59->119,60->119,119->119}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a1 * c1)}, {x, a1, b1, c1}]]
```

```

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,6->13,6->14,14->29,14->30,29->59,29->60,60->121,6
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,6->13,6->14,14->29,14->30,29->59,29->60,30->61,30
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,6->13,6->14,14->29,14->30,30->61,30->62,61->123,6
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,6->13,6->14,14->29,14->30,30->61,30->62,62->125,6
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,23->47,23->48,47->95,47->96,95->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,23->47,23->48,47->95,47->96,96->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,23->47,23->48,47->95,47->96,48->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,23->47,23->48,24->49,24->50,47->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,12->25,12->26,23->47,23->48,47->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,11->23,11->24,23->47,23->48,47->95,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * a1 - c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,23->47,23->48,48->97,48->98,97->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,23->47,23->48,48->97,48->98,98->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,23->47,23->48,24->49,24->50,48->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,12->25,12->26,23->47,23->48,48->
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,11->23,11->24,23->47,23->48,48->97,
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * a1 - c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,23->47,23->48,24->49,24->50,49->

```



```

Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,11->23,11->24,13->27,13->28,14->29},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * d1 - c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,11->23,11->24,13->27,13->28,14->29},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * d1 - c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,11->23,11->24,14->29,14->30,29->59},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * d1 - c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,11->23,11->24,14->29,14->30,30->61},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * d1 - c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,25->51,25->52,51->103,51->104,103->104},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,25->51,25->52,51->103,51->104,104->105},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,25->51,25->52,51->103,51->104,52->105},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,25->51,25->52,26->53,26->54,51->103,51->104,52->105,52->106},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * a1 - c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,25->51,25->52,52->105,52->106,105->106},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,25->51,25->52,26->53,26->54,52->105,52->106,106->107},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,25->51,25->52,26->53,26->54,52->105,52->106,107->108},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * a1 - c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,25->51,25->52,26->53,26->54,53->109},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,25->51,25->52,26->53,26->54,54->110},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,12->25,12->26,25->51,25->52,26->53},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * a1 - c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,12->25,12->26,13->27,13->28,25->51},

```

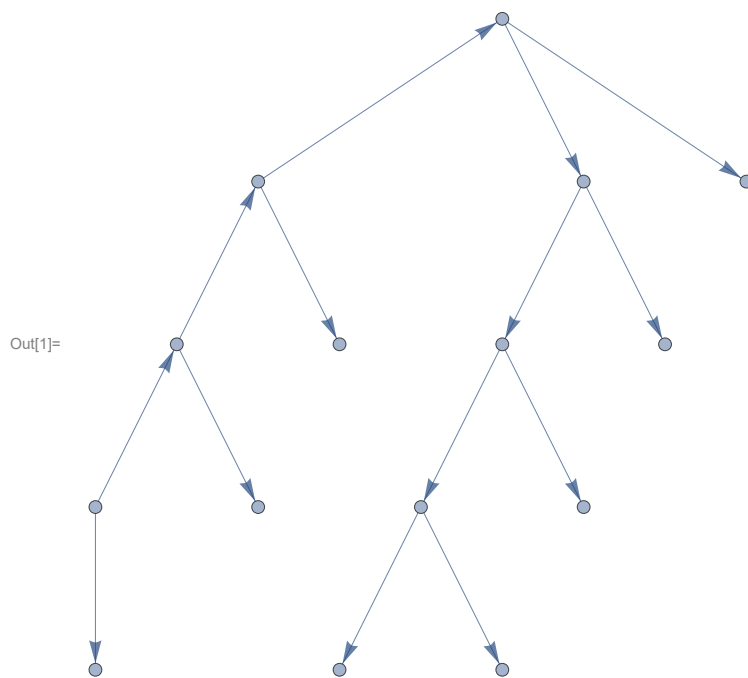

[illegible]


```
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,28->57,28->58,58->117,58->118,118->57},
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,14->29,14->30,28->57,28->58,58->117,58->118,118->57}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,14->29,14->30,28->57,28->58,29->59,29->60,59->117,59->118,118->57}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,14->29,14->30,29->59,29->60,60->117,60->118,118->57}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,14->29,14->30,29->59,29->60,30->61,30->62,61->117,61->118,118->57}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,14->29,14->30,30->61,30->62,62->117,62->118,118->57}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,29->59,29->60,59->119,59->120,119->57,119->120,120->117,120->118,118->57}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,29->59,29->60,59->119,59->120,120->117,120->118,118->57}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,29->59,29->60,60->121,60->122,121->117,121->118,118->57}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,29->59,29->60,60->121,60->122,122->117,122->118,118->57}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,29->59,29->60,30->61,30->62,60->121,60->122,121->117,121->118,118->57}],
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G * b1)}],
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,29->59,29->60,30->61,30->62,61->117,61->118,118->57}]]
```

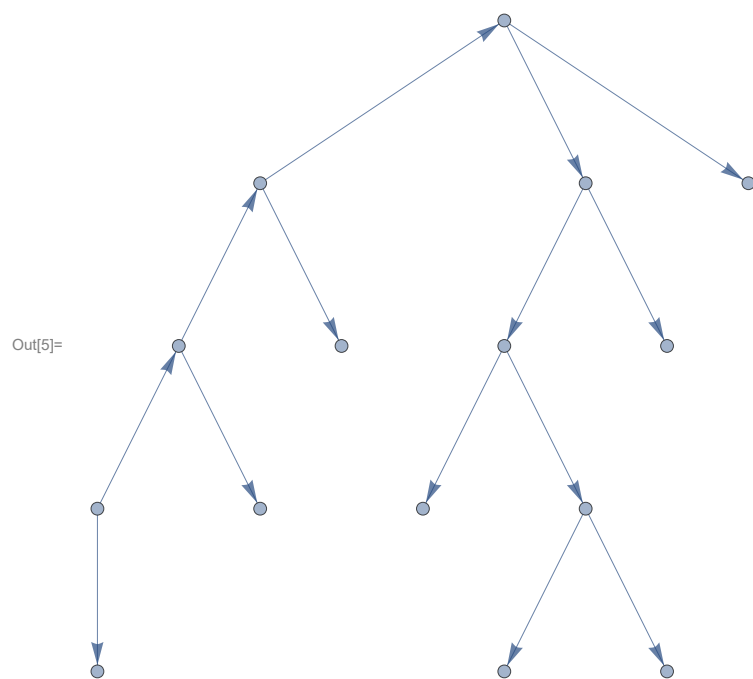
```

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,29->59,29->60,30->61,30->62,62->1
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,30->61,30->62,61->123,61->124,123
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,30->61,30->62,61->123,61->124,124
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,30->61,30->62,61->123,61->124,62-
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,30->61,30->62,62->125,62->126,125
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,14->29,14->30,30->61,30->62,62->125,62->126,126
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G

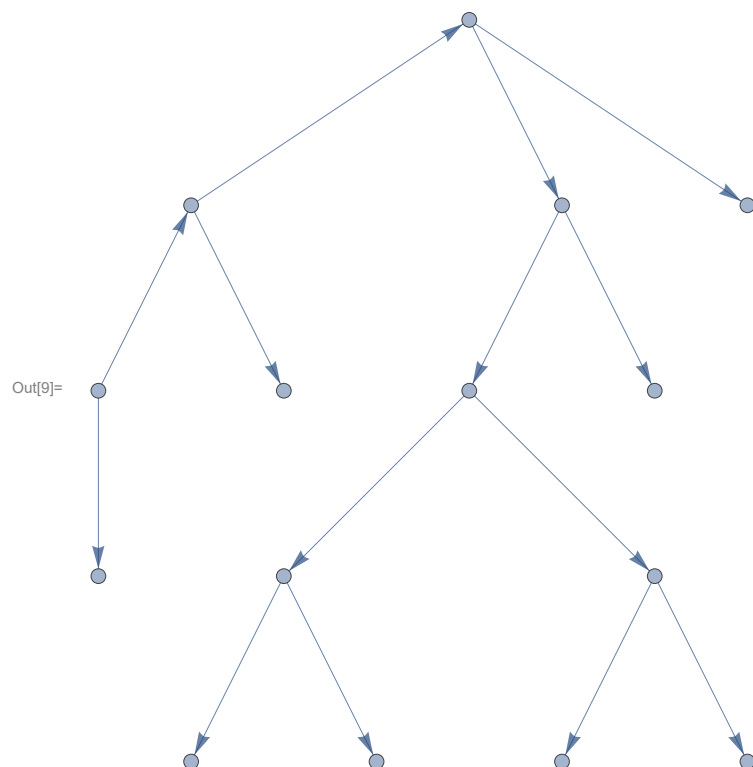
```



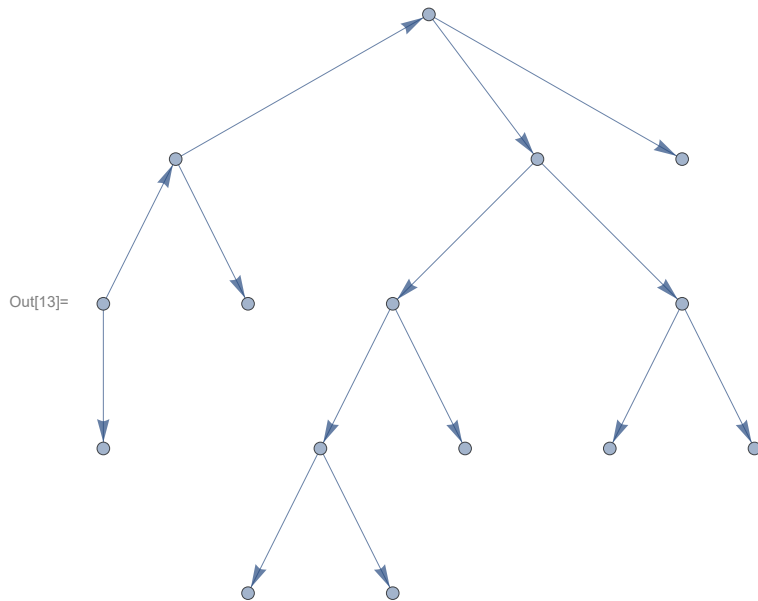
Out[3]= $\{x + G^2 x^3 + G^3 x^4 + G^4 x^5 + G^5 x^6 + G^6 x^7 + G(-1 + x^2)\}$



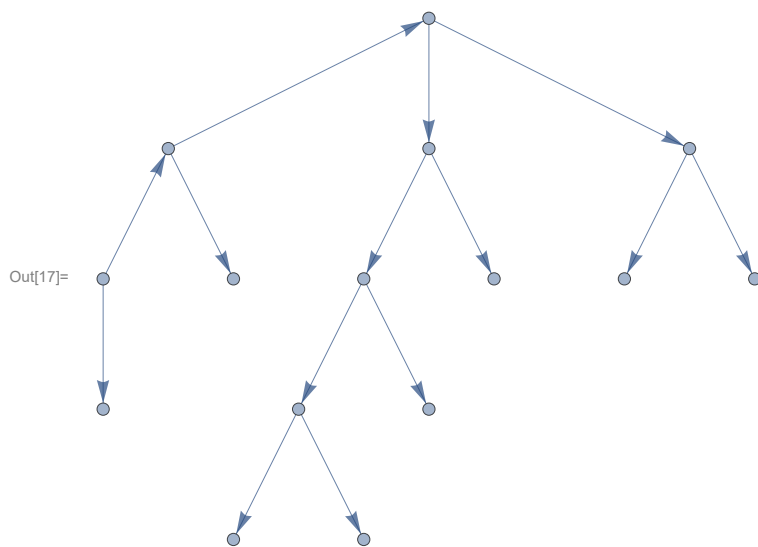
$$\text{Out[7]} = \left\{ -x + x^3 - G^5 x^6 + G \left(1 - 2x^2 + x^4 \right) + G^2 \left(-x^3 + x^5 \right) + G^3 \left(-x^4 + x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



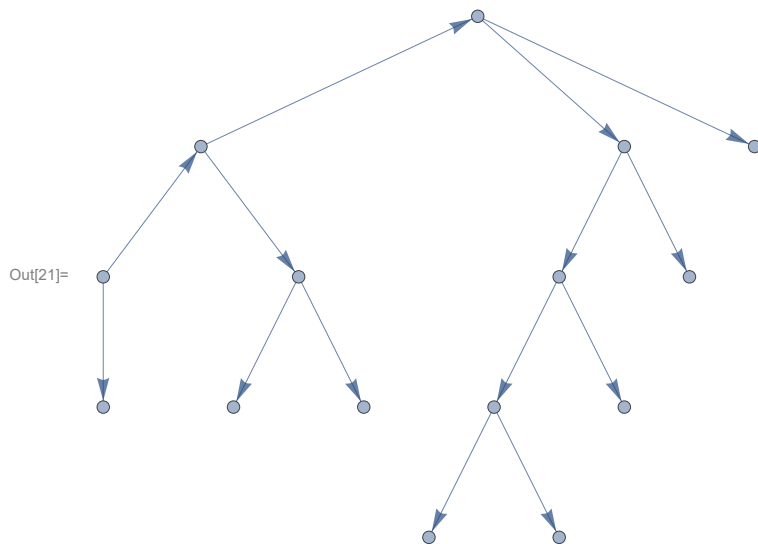
$$\text{Out[11]} = \left\{ -x + x^3 - G^5 x^6 + G \left(1 - 2x^2 + x^4 \right) + G^2 \left(-x^3 + x^5 \right) + G^3 \left(-x^4 + x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



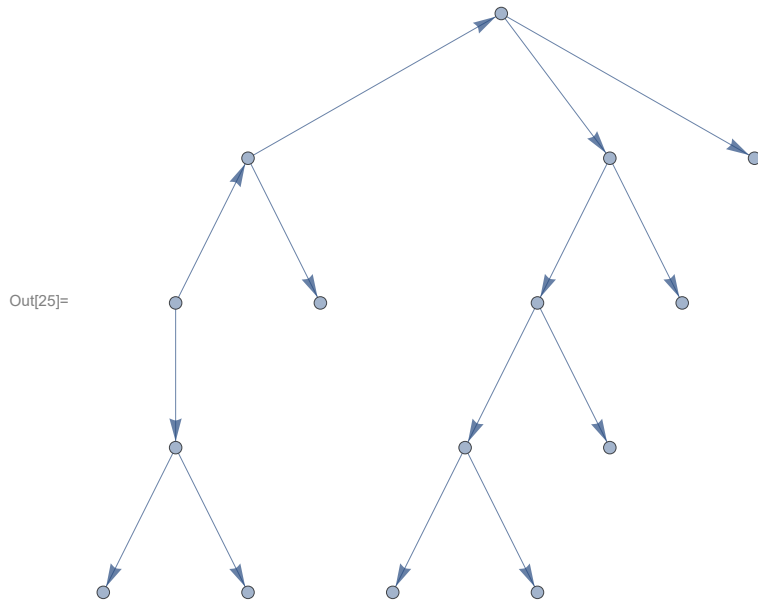
$$\text{Out[15]} = \left\{ -x + x^3 - G^5 x^6 + G \left(1 - 2x^2 + x^4 \right) + G^2 \left(-x^3 + x^5 \right) + G^3 \left(-x^4 + x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



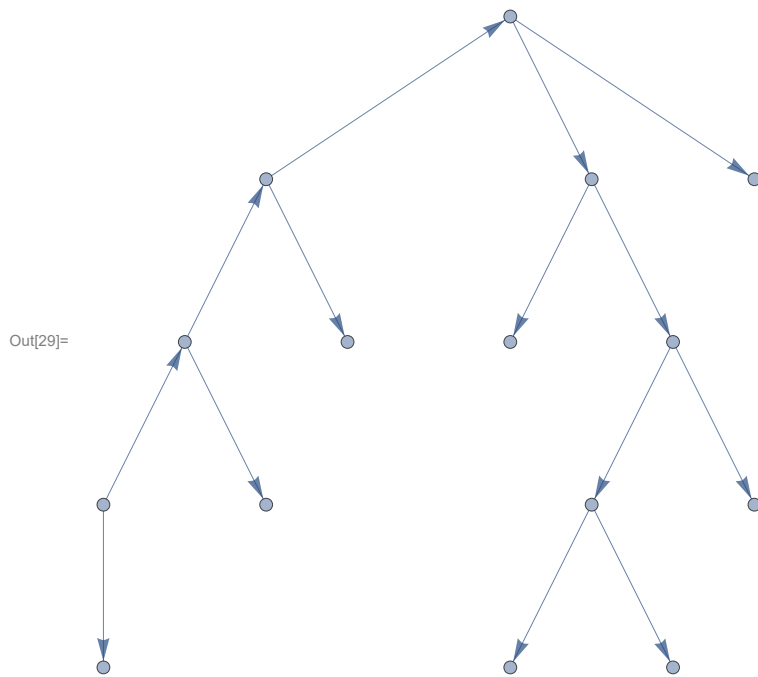
$$\text{Out[19]} = \left\{ -x + x^3 - G^5 x^6 + G \left(1 - 2x^2 + x^4 \right) + G^2 \left(-x^3 + x^5 \right) + G^3 \left(-x^4 + x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



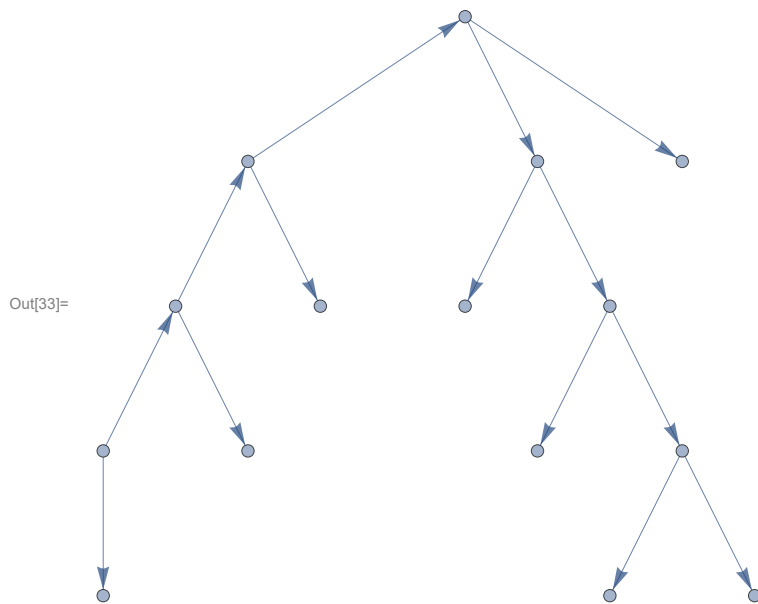
$$\text{Out}[23] = \left\{ -x + x^3 - G^5 x^6 + G \left(1 - 2 x^2 + x^4 \right) + G^2 \left(-x^3 + x^5 \right) + G^3 \left(-x^4 + x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



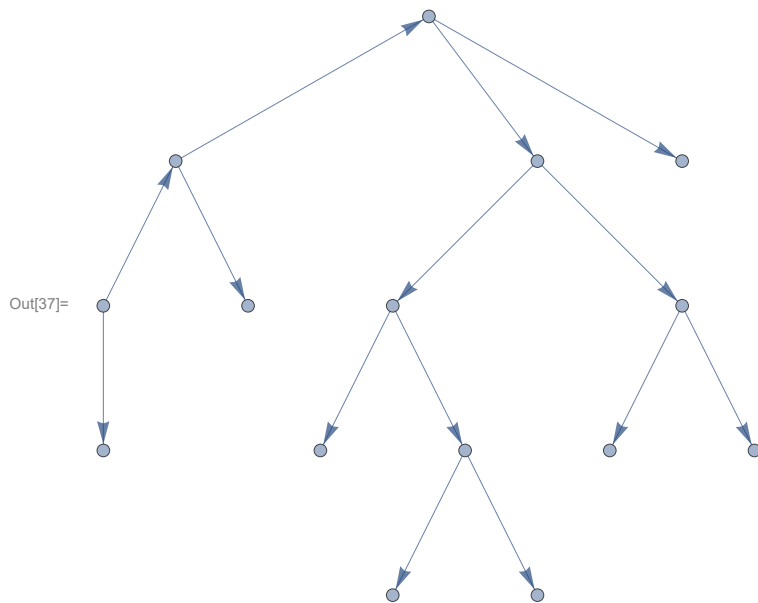
$$\text{Out}[27] = \left\{ -x + x^3 - G^5 x^6 + G \left(1 - 2 x^2 + x^4 \right) + G^2 \left(-x^3 + x^5 \right) + G^3 \left(-x^4 + x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



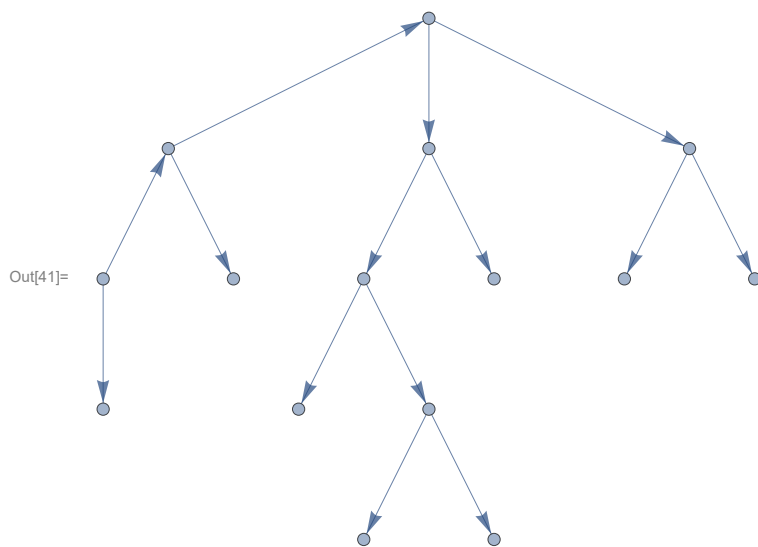
Out[31]= $\{-x + x^3 + G(1 - 2x^2 + 2x^4) + G^2(-2x^3 + 2x^5) + G^3(-x^4 + 2x^6) + G^4(-x^5 + x^7)\}$



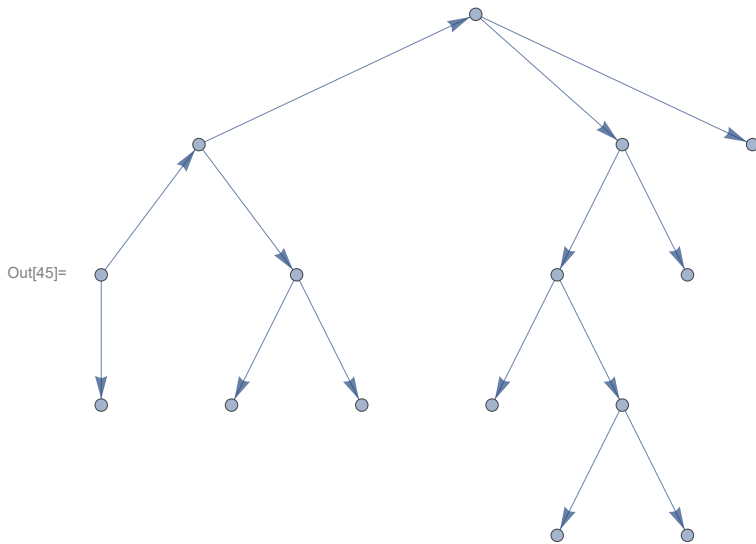
Out[35]= $\{x^4 + G^5 x^5 + G(x - 3x^3 + x^5) + G^4(x^4 - 2x^6) + G^2(-1 + 3x^2 - 2x^4 + x^6) + G^3(x^3 - 2x^5 + x^7)\}$



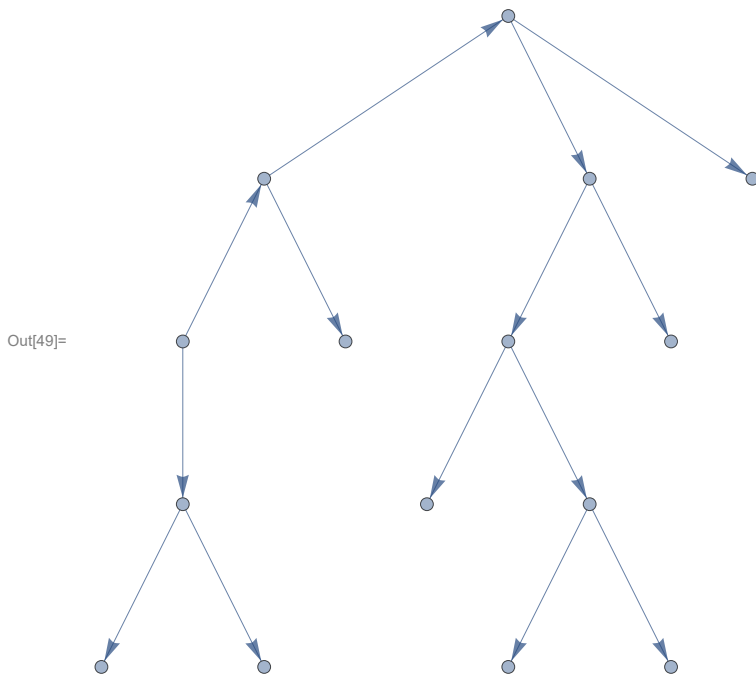
$$\text{Out[39]} = \left\{ x - x^3 + x^5 + G^4 x^5 + G^3 (x^4 - 2x^6) + G(-1 + 2x^2 - 3x^4 + x^6) + G^2(2x^3 - 2x^5 + x^7) \right\}$$



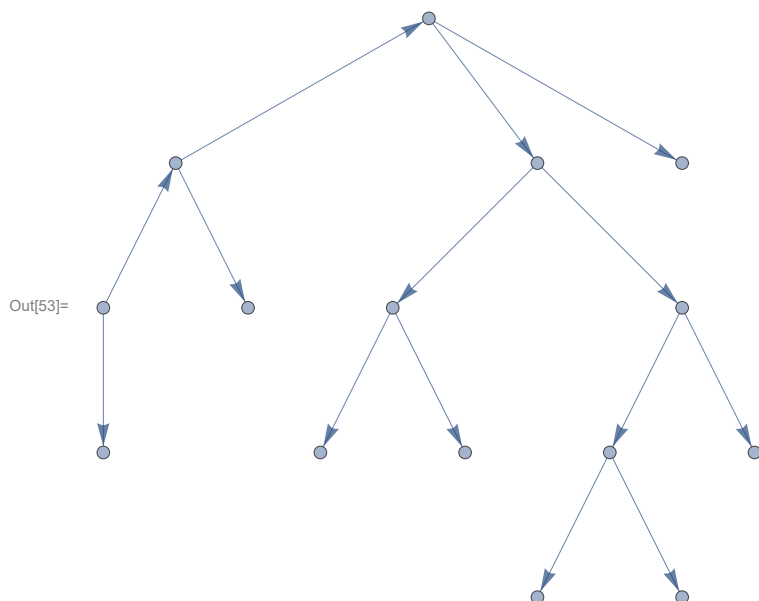
$$\text{Out[43]} = \left\{ -x + x^3 - x^7 + x^9 + G^4(-x^5 - x^7) + G^3(-x^4 + 3x^8) + G^2(-x^3 + 4x^7 - 3x^9) + G(1 - 2x^2 + x^4 + 2x^6 - 4x^8 + x^{10}) \right\}$$



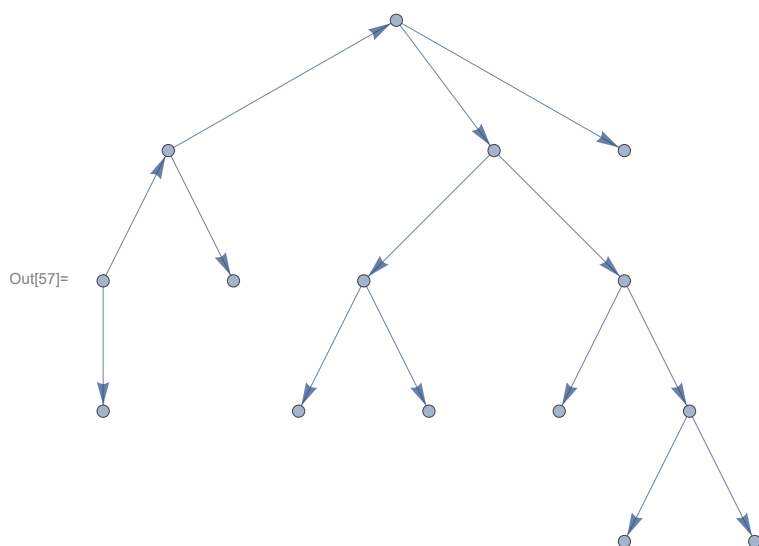
$$\text{Out[47]} = \left\{ x - x^3 + x^5 - x^7 + x^9 - x^{11} + x^{13} - x^{15} + x^{17} + G^5 (-x^8 - x^{10} - 2x^{12}) + G^4 (x^5 + 5x^9 + 2x^{11} + 9x^{13}) + \right. \\ \left. G^3 (x^4 - 2x^6 + 2x^8 - 10x^{10} + x^{12} - 16x^{14}) + G^2 (2x^3 - 3x^5 + 3x^7 - 5x^9 + 10x^{11} - 5x^{13} + 14x^{15}) + \right. \\ \left. G (-1 + 2x^2 - 3x^4 + 3x^6 - 3x^8 + 4x^{10} - 5x^{12} + 4x^{14} - 6x^{16}) \right\}$$



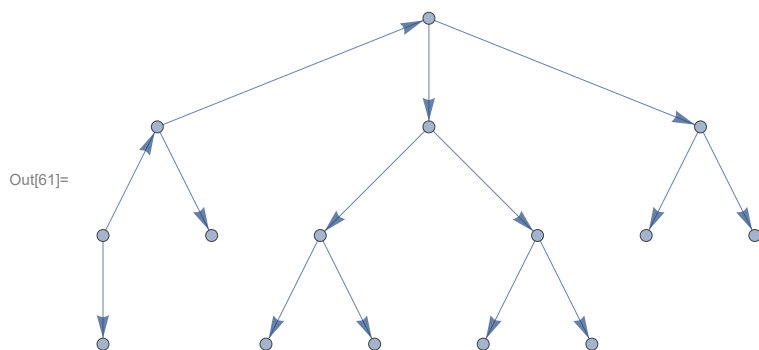
$$\text{Out[51]} = \left\{ x - x^3 + x^5 + x^{17} + x^{21} - G^8 x^{21} + x^{23} + x^{27} + \right. \\ G^7 (-x^{14} - x^{16} - 2x^{20} + 7x^{22}) + G^6 (x^{11} + 6x^{15} + 7x^{17} + 13x^{21} - 21x^{23}) + \\ G^5 (-x^8 - x^{10} - 6x^{12} - 2x^{14} - 17x^{16} - 21x^{18} - 36x^{22} + 35x^{24}) + \\ G^4 (x^5 + 5x^9 + 4x^{11} + 15x^{13} + 7x^{15} + 29x^{17} + 35x^{19} + 55x^{23} - 35x^{25}) + \\ G^3 (x^4 - 3x^6 + 2x^8 - 8x^{10} - 6x^{12} - 20x^{14} - 9x^{16} - 31x^{18} - 35x^{20} - 50x^{24} + 21x^{26}) + \\ G^2 (2x^3 - 2x^5 + 3x^7 - 3x^9 + 5x^{11} + 4x^{13} + 15x^{15} + 5x^{17} + 20x^{19} + 21x^{21} + 27x^{25} - 7x^{27}) + \\ \left. G (-1 + 2x^2 - 3x^4 + x^6 - x^8 + x^{10} - x^{12} - x^{14} - 6x^{16} - x^{18} - 7x^{20} - 7x^{22} - 8x^{26} + x^{28}) \right\}$$



$$\text{Out[55]} = \left\{ -x + x^3 + G(1 - 2x^2 + 2x^4) + G^2(-2x^3 + 2x^5) + G^3(-x^4 + 2x^6) + G^4(-x^5 + x^7) \right\}$$

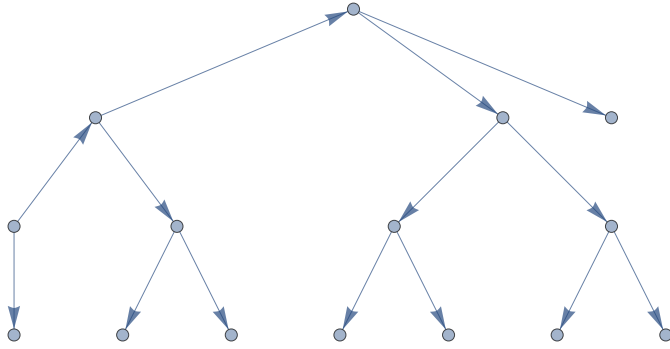


$$\text{Out[59]} = \left\{ x^4 + G^5 x^5 + G(x - 3x^3 + x^5) + G^4(x^4 - 2x^6) + G^2(-1 + 3x^2 - 2x^4 + x^6) + G^3(x^3 - 2x^5 + x^7) \right\}$$



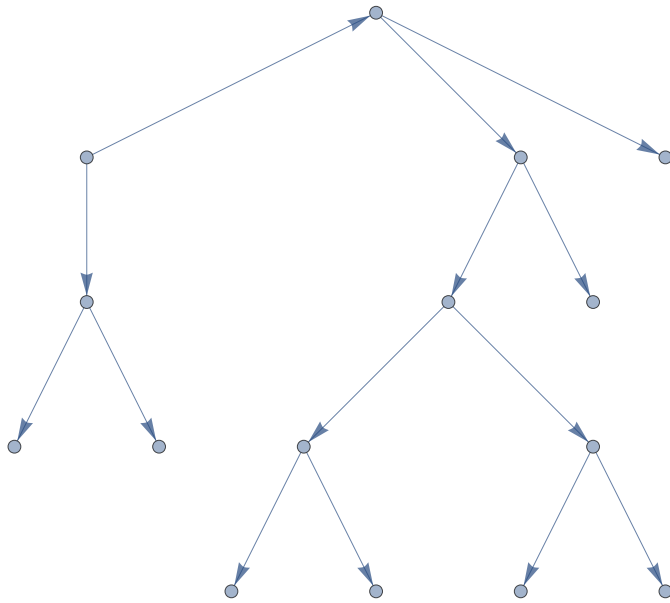
$$\text{Out[63]} = \left\{ x - x^3 + x^5 + G^4 x^5 + G^3(x^4 - 2x^6) + G(-1 + 2x^2 - 3x^4 + x^6) + G^2(2x^3 - 2x^5 + x^7) \right\}$$

Out[65]=



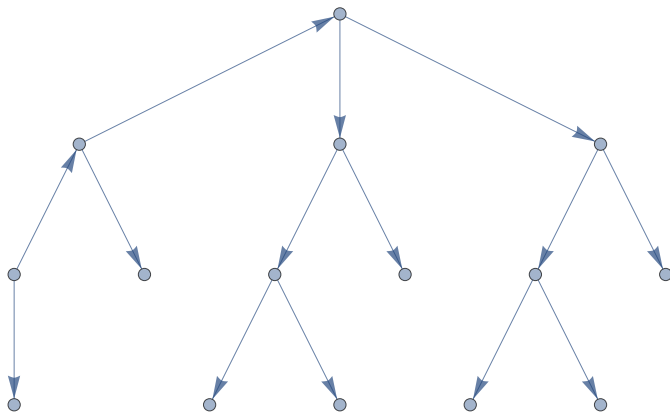
$$\text{Out[67]} = \left\{ -x + x^3 - x^7 + x^9 + G^4 (-x^5 - x^7) + G^3 (-x^4 + 3x^8) + G^2 (-x^3 + 4x^7 - 3x^9) + G (1 - 2x^2 + x^4 + 2x^6 - 4x^8 + x^{10}) \right\}$$

Out[69]=



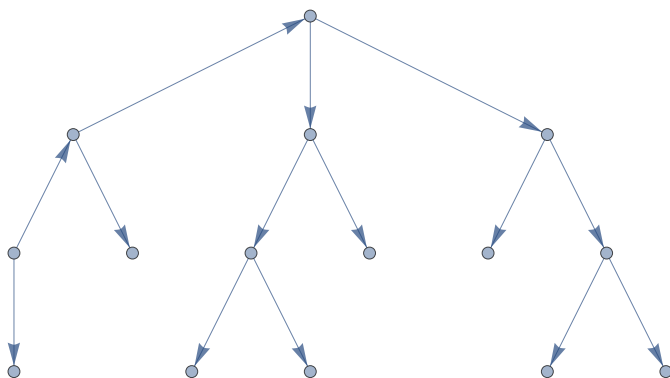
$$\text{Out[71]} = \left\{ x - x^3 + x^5 - x^7 + x^9 - x^{11} + x^{13} - x^{15} + x^{17} + G^5 (-x^8 - x^{10} - 2x^{12}) + G^4 (x^5 + 5x^9 + 2x^{11} + 9x^{13}) + G^3 (x^4 - 2x^6 + 2x^8 - 10x^{10} + x^{12} - 16x^{14}) + G^2 (2x^3 - 3x^5 + 3x^7 - 5x^9 + 10x^{11} - 5x^{13} + 14x^{15}) + G (-1 + 2x^2 - 3x^4 + 3x^6 - 3x^8 + 4x^{10} - 5x^{12} + 4x^{14} - 6x^{16}) \right\}$$

Out[73]=



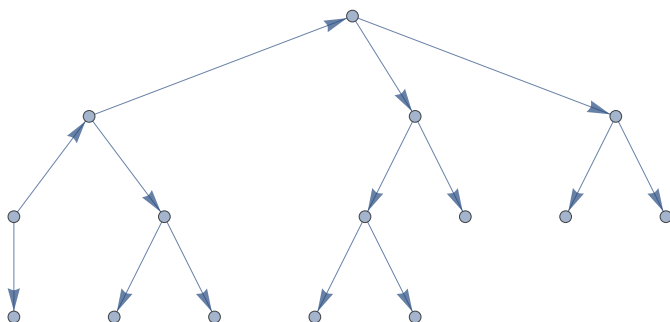
$$\text{Out[75]} = \left\{ -x + x^3 + G (1 - 2x^2 + 2x^4) + G^2 (-2x^3 + 2x^5) + G^3 (-x^4 + 2x^6) + G^4 (-x^5 + x^7) \right\}$$

Out[77]=



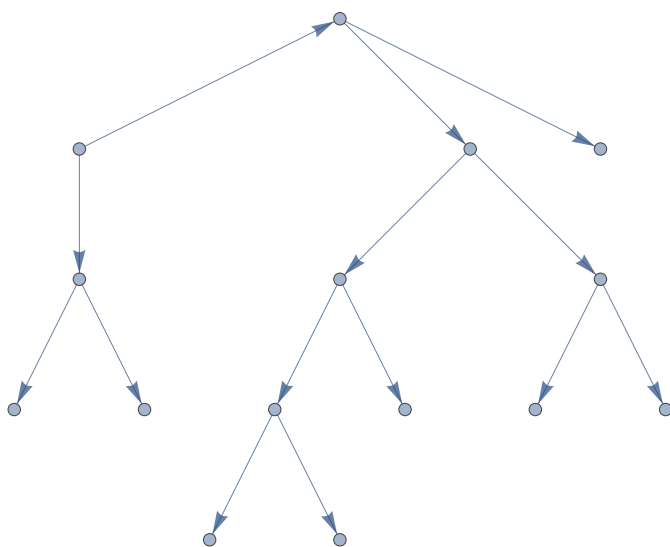
$$\text{Out[79]} = \left\{ x^4 + G^5 x^5 + G \left(x - 3 x^3 + x^5 \right) + G^4 \left(x^4 - 2 x^6 \right) + G^2 \left(-1 + 3 x^2 - 2 x^4 + x^6 \right) + G^3 \left(x^3 - 2 x^5 + x^7 \right) \right\}$$

Out[81]=

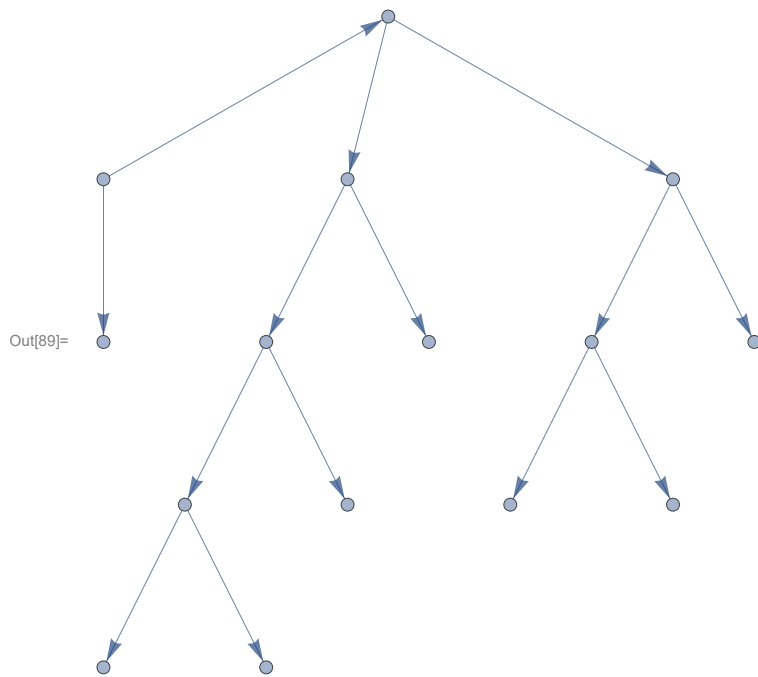


$$\text{Out[83]} = \left\{ x - x^3 + x^5 + G^4 x^5 + G^3 \left(x^4 - 2 x^6 \right) + G \left(-1 + 2 x^2 - 3 x^4 + x^6 \right) + G^2 \left(2 x^3 - 2 x^5 + x^7 \right) \right\}$$

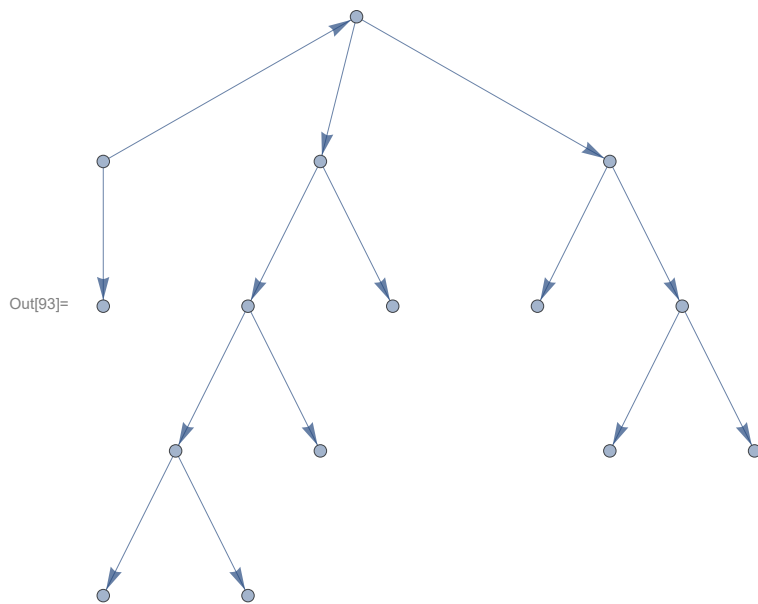
Out[85]=



$$\text{Out[87]} = \left\{ -x + x^3 - x^7 + x^9 + G^4 \left(-x^5 - x^7 \right) + G^3 \left(-x^4 + 3 x^8 \right) + G^2 \left(-x^3 + 4 x^7 - 3 x^9 \right) + G \left(1 - 2 x^2 + x^4 + 2 x^6 - 4 x^8 + x^{10} \right) \right\}$$

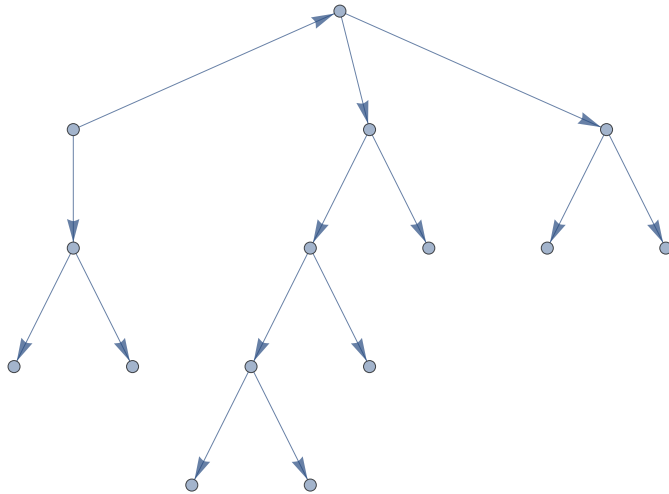


$$\text{Out[91]} = \left\{ -x + x^3 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 2x^5 \right) + G^3 \left(-x^4 + 2x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



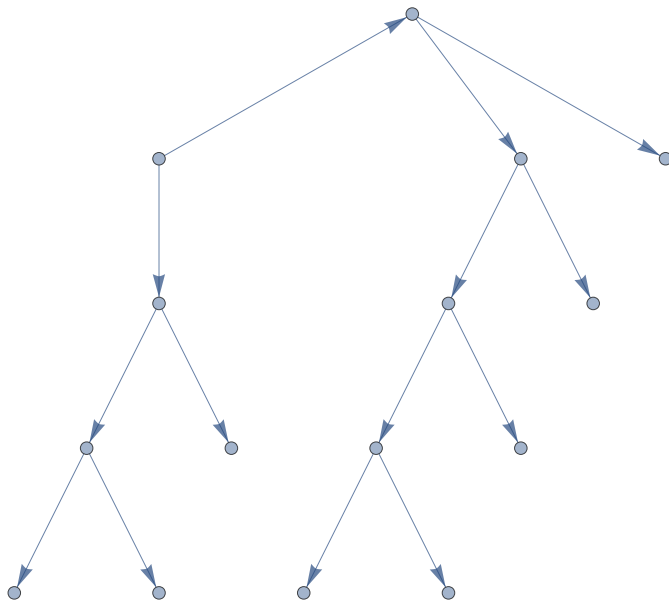
$$\text{Out[95]} = \left\{ x^4 + G^5 x^5 + G \left(x - 3x^3 + x^5 \right) + G^4 \left(x^4 - 2x^6 \right) + G^2 \left(-1 + 3x^2 - 2x^4 + x^6 \right) + G^3 \left(x^3 - 2x^5 + x^7 \right) \right\}$$

Out[97]=



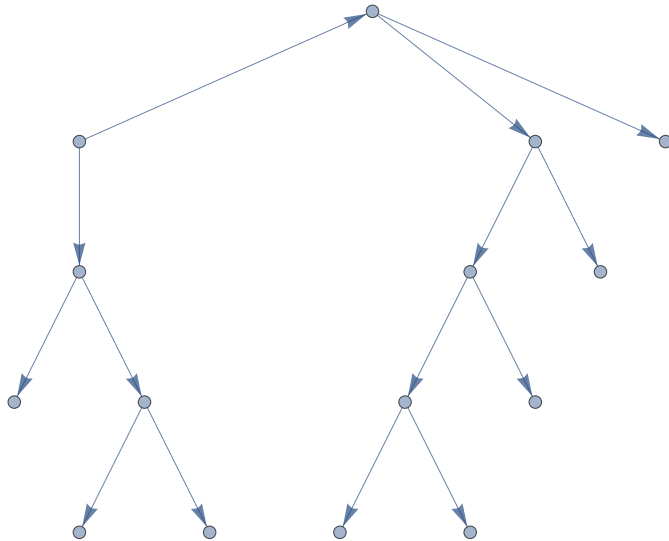
$$\text{Out[99]} = \left\{ x - x^3 + x^5 + G^4 x^5 + G^3 (x^4 - 2x^6) + G(-1 + 2x^2 - 3x^4 + x^6) + G^2(2x^3 - 2x^5 + x^7) \right\}$$

Out[101]=



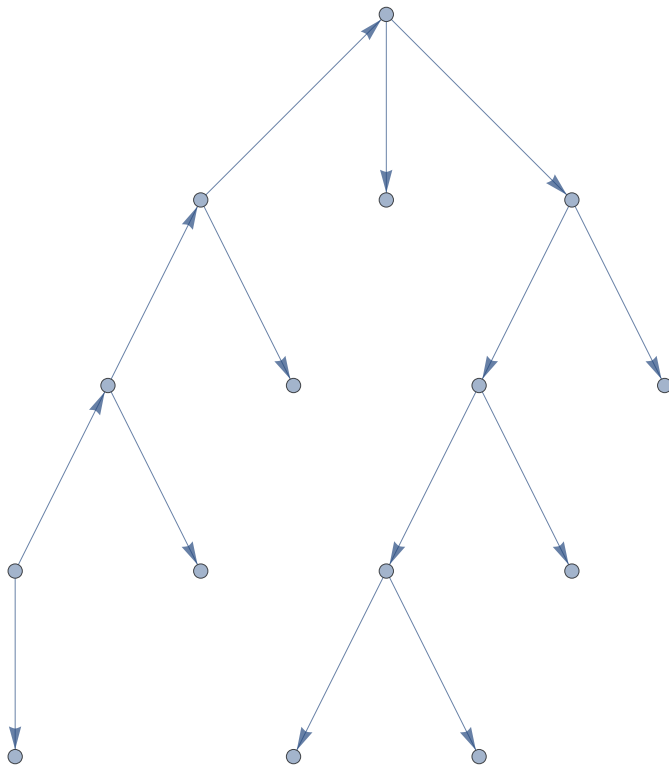
$$\text{Out[103]} = \left\{ -x + x^3 + G(1 - 2x^2 + 2x^4) + G^2(-2x^3 + 2x^5) + G^3(-x^4 + 2x^6) + G^4(-x^5 + x^7) \right\}$$

Out[105]=

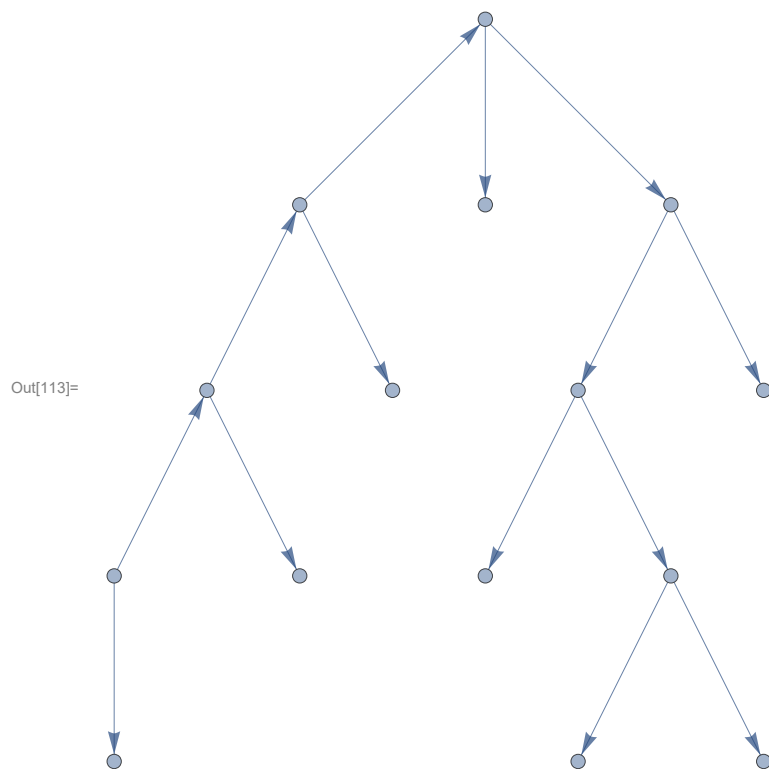


$$\text{Out[107]} = \left\{ -x + x^3 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 2x^5 \right) + G^3 \left(-x^4 + 2x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$

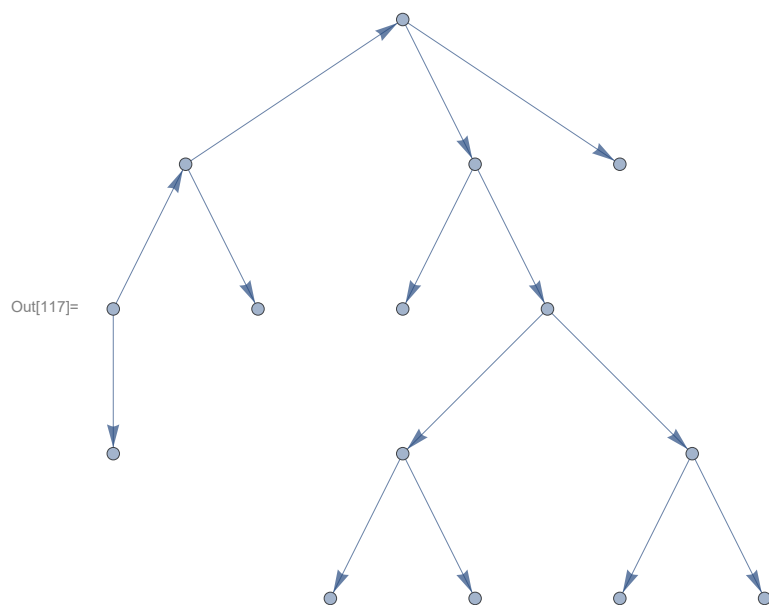
Out[109]=



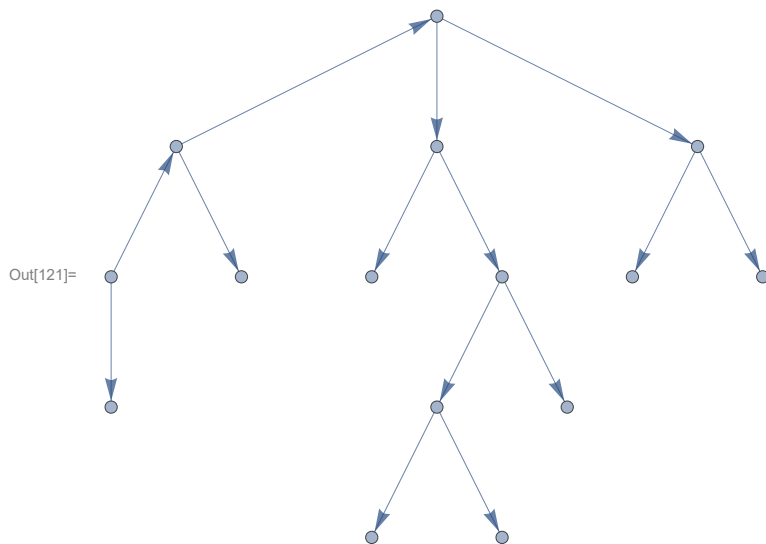
$$\text{Out[111]} = \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 3x^5 \right) + G^3 \left(-2x^4 + 2x^6 \right) \right\}$$



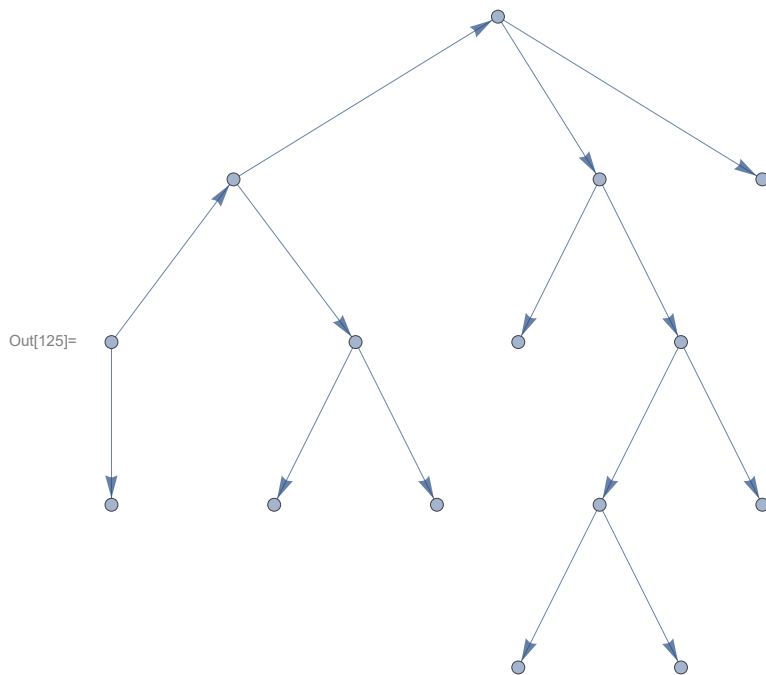
$$\text{Out[115]} = \left\{ x^4 + G(x - 3x^3 + 2x^5) + G^4(x^4 - x^6) + G^2(-1 + 3x^2 - 4x^4 + 2x^6) + G^3(2x^3 - 3x^5 + x^7) \right\}$$



$$\text{Out[119]} = \left\{ x^4 + G(x - 3x^3 + 2x^5) + G^4(x^4 - x^6) + G^2(-1 + 3x^2 - 4x^4 + 2x^6) + G^3(2x^3 - 3x^5 + x^7) \right\}$$

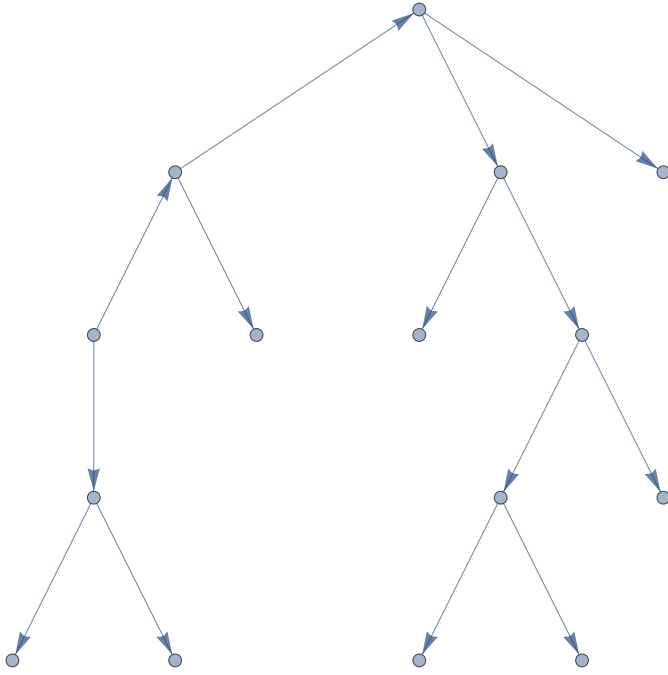


$$\text{Out[123]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



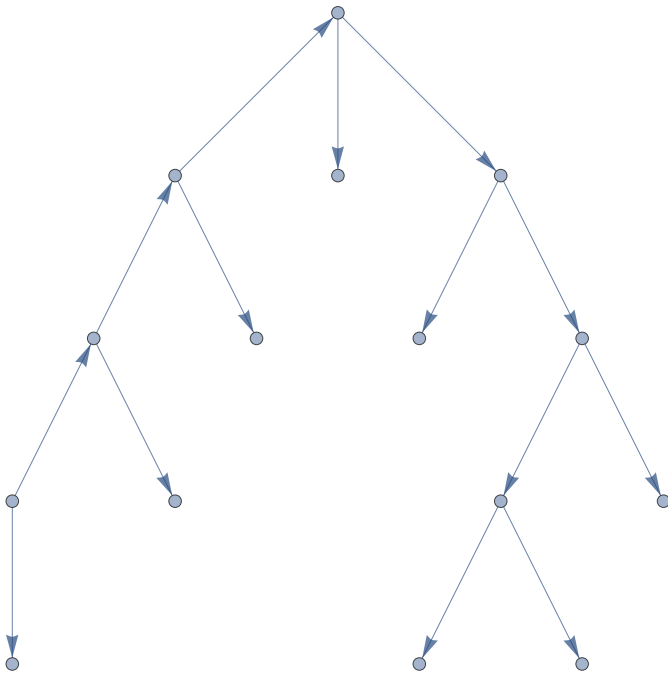
$$\text{Out[127]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 (-x^4 - 2x^6 + 5x^8 - 2x^{10}) + \right. \\ \left. G (1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10}) + G^2 (-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11}) \right\}$$

Out[129]=

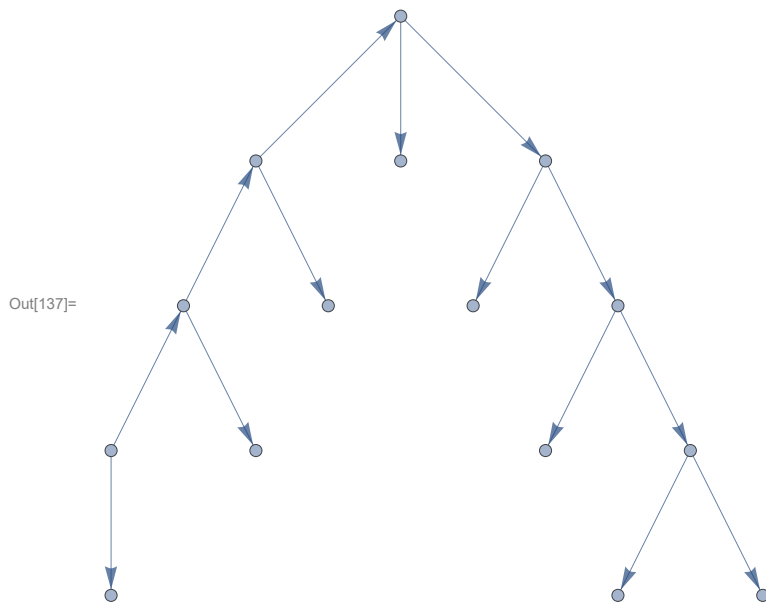


$$\text{Out[131]} = \left\{ -x + x^3 - x^5 + x^7 - x^9 + x^{11} + x^{15} + G \left(1 - 2x^2 + 4x^4 - 4x^6 + 5x^8 - 8x^{10} + 3x^{12} - 5x^{14} + 5x^{16} \right) + \right. \\ \left. G^2 \left(-3x^3 + 5x^5 - 6x^7 + 16x^9 - 15x^{11} + 12x^{13} - 20x^{15} + 10x^{17} \right) + \right. \\ \left. G^3 \left(-x^4 + 2x^6 - 9x^8 + 18x^{10} - 17x^{12} + 28x^{14} - 30x^{16} + 10x^{18} \right) + \right. \\ \left. G^4 \left(x^7 - 5x^9 + 8x^{11} - 16x^{13} + 27x^{15} - 20x^{17} + 5x^{19} \right) + G^5 \left(2x^{12} - 7x^{14} + 9x^{16} - 5x^{18} + x^{20} \right) \right\}$$

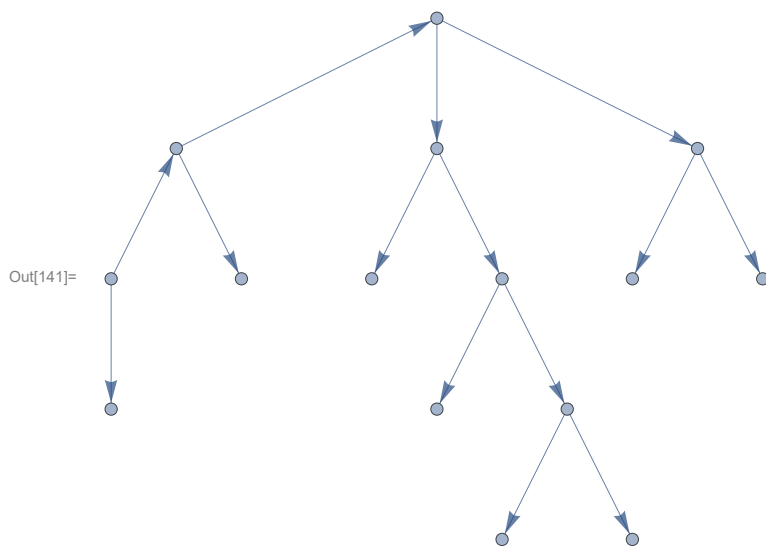
Out[133]=



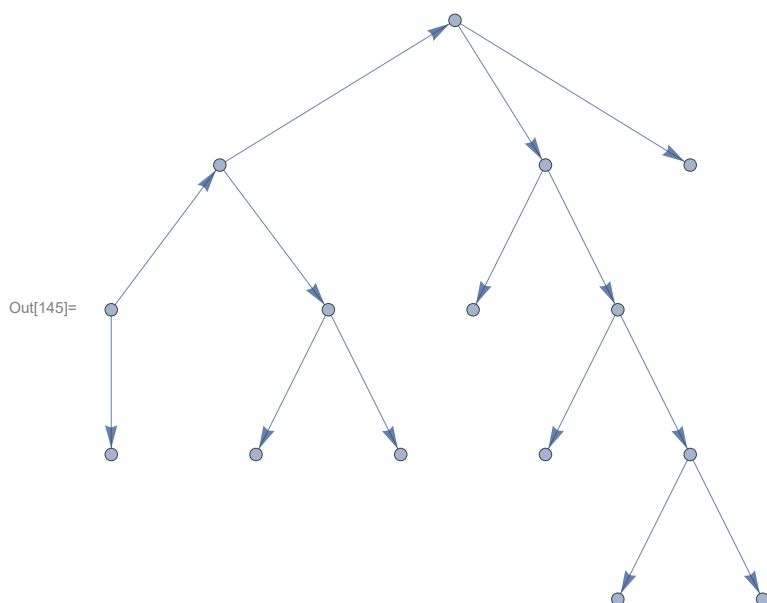
$$\text{Out[135]} = \left\{ x^4 + G \left(x - 3x^3 + 2x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3x^2 - 4x^4 + 2x^6 \right) + G^3 \left(2x^3 - 3x^5 + x^7 \right) \right\}$$



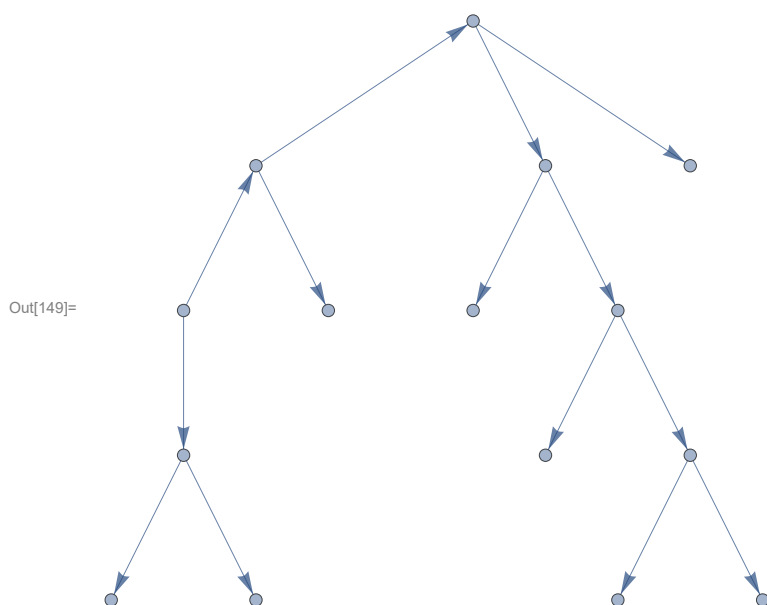
$$\text{Out[139]} = \left\{ -G^5 x^4 + x^5 + G^4 (-x^3 + 3x^5) + G^3 (1 - 4x^2 + 3x^4 - 3x^6) + G (-4x^4 + x^6) + G^2 (-x + 6x^3 - 3x^5 + x^7) \right\}$$



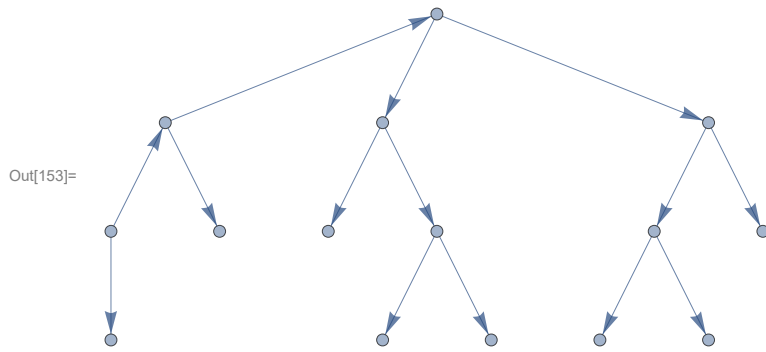
$$\text{Out[143]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 (-2x^3 + 3x^5) + G^2 (1 - 3x^2 + 5x^4 - 3x^6) + G (-x + 3x^3 - 4x^5 + x^7) \right\}$$



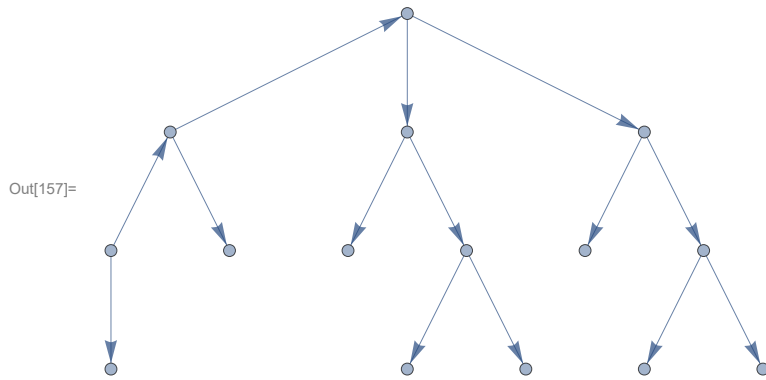
$$\text{Out[147]} = \left\{ -x^9 + x^{11} + G^5 (-x^4 - 2x^6) + G^4 (-x^3 + 9x^7) + \right. \\ \left. G^3 (1 - 3x^2 + 2x^4 + 6x^6 - 16x^8) + G^2 (-x + 3x^3 - x^5 - 9x^7 + 14x^9) + G (-x^4 + 5x^8 - 6x^{10}) \right\}$$



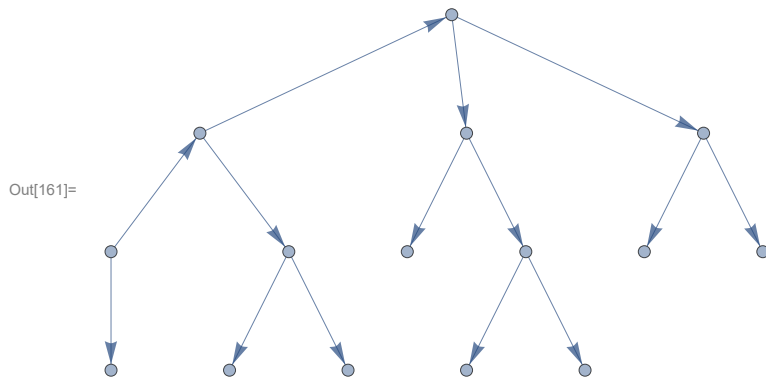
$$\text{Out[151]} = \left\{ -x + x^3 - x^5 + x^7 - x^9 + x^{11} + x^{15} + G (1 - 2x^2 + 4x^4 - 4x^6 + 5x^8 - 8x^{10} + 3x^{12} - 5x^{14} + 5x^{16}) + \right. \\ G^2 (-3x^3 + 5x^5 - 6x^7 + 16x^9 - 15x^{11} + 12x^{13} - 20x^{15} + 10x^{17}) + \\ G^3 (-x^4 + 2x^6 - 9x^8 + 18x^{10} - 17x^{12} + 28x^{14} - 30x^{16} + 10x^{18}) + \\ \left. G^4 (x^7 - 5x^9 + 8x^{11} - 16x^{13} + 27x^{15} - 20x^{17} + 5x^{19}) + G^5 (2x^{12} - 7x^{14} + 9x^{16} - 5x^{18} + x^{20}) \right\}$$



$$\text{Out[155]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

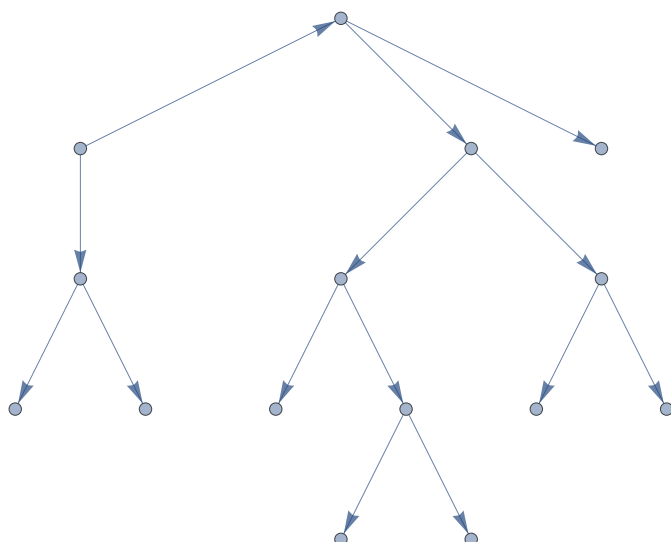


$$\text{Out[159]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 (-2x^3 + 3x^5) + G^2 (1 - 3x^2 + 5x^4 - 3x^6) + G (-x + 3x^3 - 4x^5 + x^7) \right\}$$



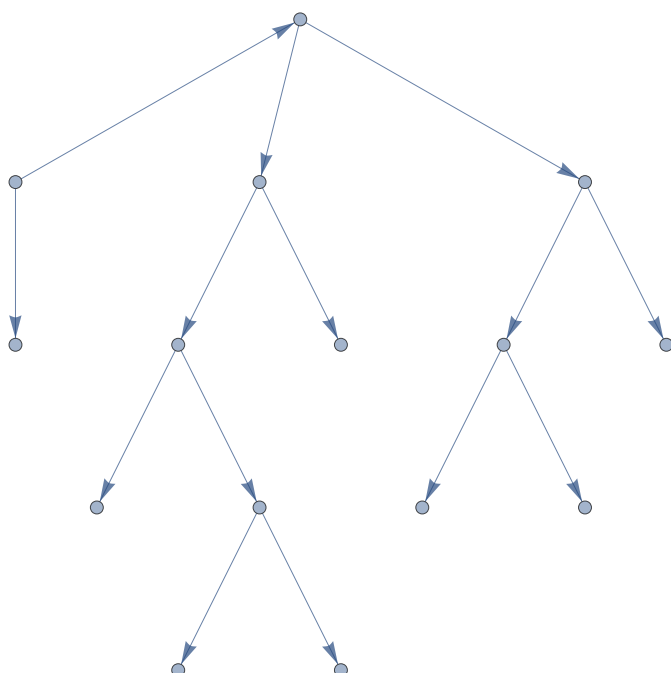
$$\text{Out[163]} = \left\{ -x + x^3 - 2G^3 x^4 - x^5 + x^7 + G^2 (-2x^3 + 5x^5) + G (1 - 2x^2 + 3x^4 - 4x^6) \right\}$$

Out[165]=

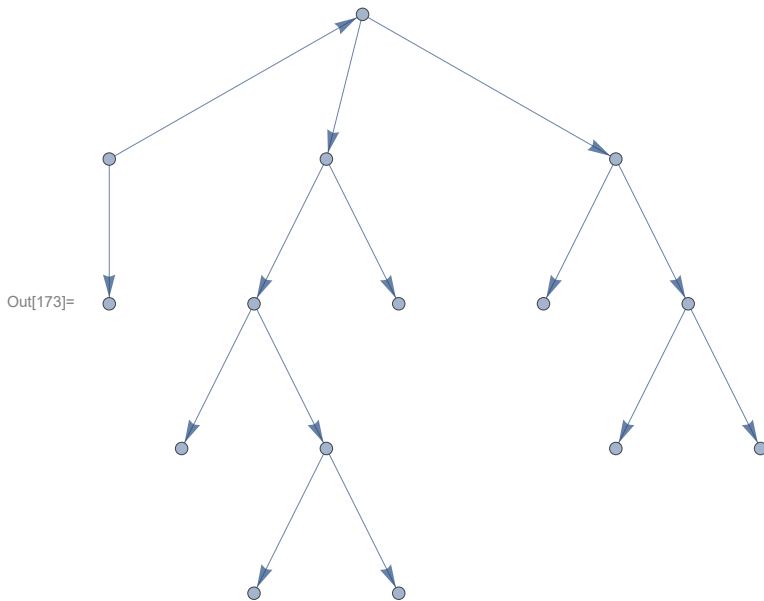


$$\text{Out[167]} = \left\{ -x + x^3 - x^5 - G^4 x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 3x^8 \right) + \right. \\ \left. G^2 \left(-2x^3 + 2x^5 + 5x^7 - 3x^9 \right) + G \left(1 - 2x^2 + 3x^4 - x^6 - 4x^8 + x^{10} \right) \right\}$$

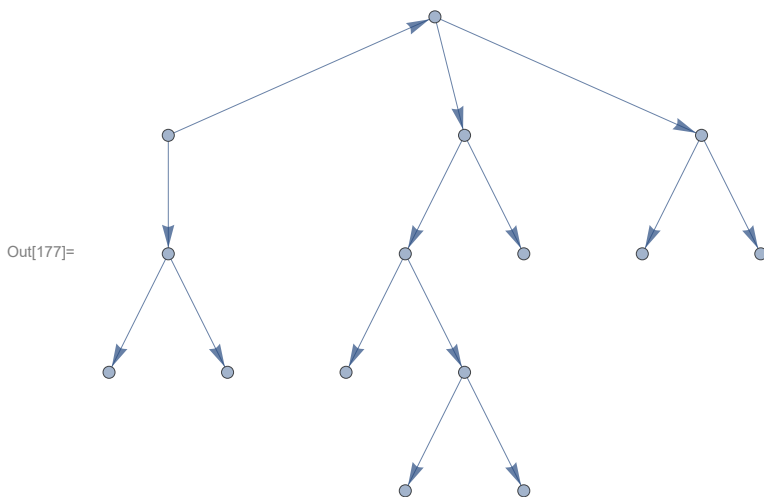
Out[169]=



$$\text{Out[171]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 5x^8 - 2x^{10} \right) + \right. \\ \left. G \left(1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10} \right) + G^2 \left(-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11} \right) \right\}$$

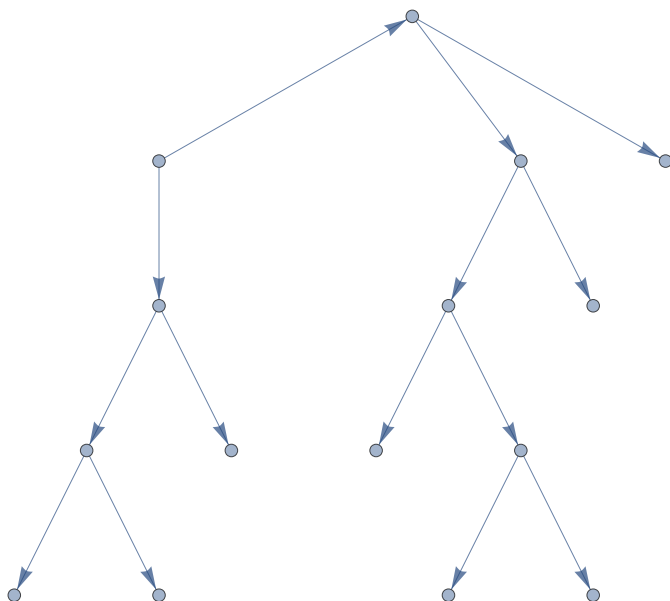


$$\text{Out[175]} = \left\{ -x^9 + x^{11} + G^5 \left(-x^4 - 2x^6 \right) + G^4 \left(-x^3 + 9x^7 \right) + \right. \\ \left. G^3 \left(1 - 3x^2 + 2x^4 + 6x^6 - 16x^8 \right) + G^2 \left(-x + 3x^3 - x^5 - 9x^7 + 14x^9 \right) + G \left(-x^4 + 5x^8 - 6x^{10} \right) \right\}$$



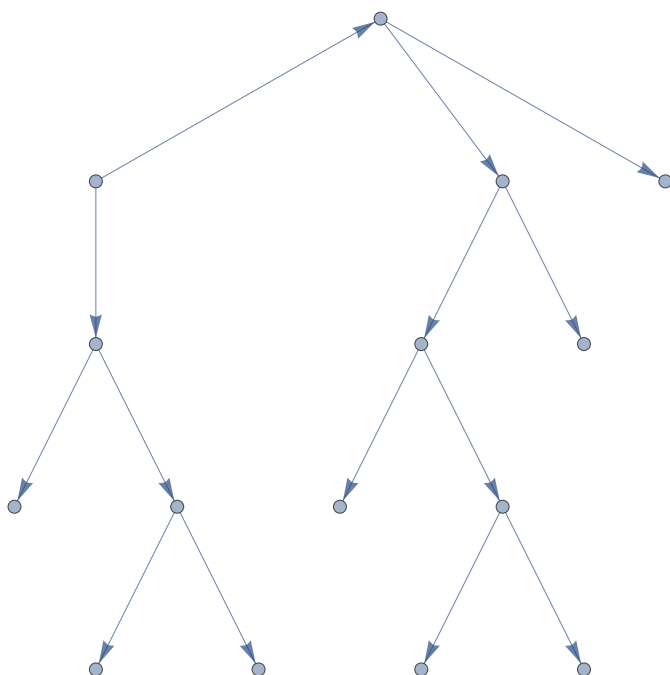
$$\text{Out[179]} = \left\{ -x + x^3 - x^5 - G^4 x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 3x^8 \right) + \right. \\ \left. G^2 \left(-2x^3 + 2x^5 + 5x^7 - 3x^9 \right) + G \left(1 - 2x^2 + 3x^4 - x^6 - 4x^8 + x^{10} \right) \right\}$$

Out[181]=

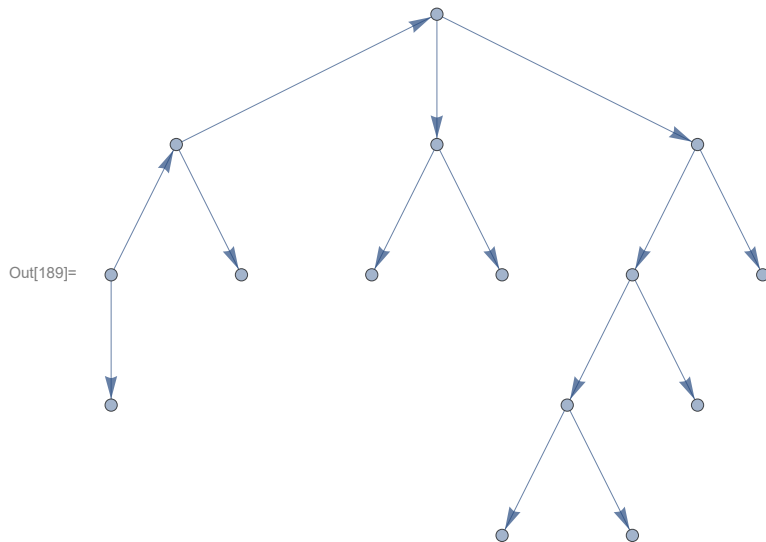


$$\text{Out[183]} = \left\{ -x + x^3 - x^5 + x^7 - x^9 + x^{11} + x^{15} + G \left(1 - 2x^2 + 4x^4 - 4x^6 + 5x^8 - 8x^{10} + 3x^{12} - 5x^{14} + 5x^{16} \right) + \right. \\ \left. G^2 \left(-3x^3 + 5x^5 - 6x^7 + 16x^9 - 15x^{11} + 12x^{13} - 20x^{15} + 10x^{17} \right) + \right. \\ \left. G^3 \left(-x^4 + 2x^6 - 9x^8 + 18x^{10} - 17x^{12} + 28x^{14} - 30x^{16} + 10x^{18} \right) + \right. \\ \left. G^4 \left(x^7 - 5x^9 + 8x^{11} - 16x^{13} + 27x^{15} - 20x^{17} + 5x^{19} \right) + G^5 \left(2x^{12} - 7x^{14} + 9x^{16} - 5x^{18} + x^{20} \right) \right\}$$

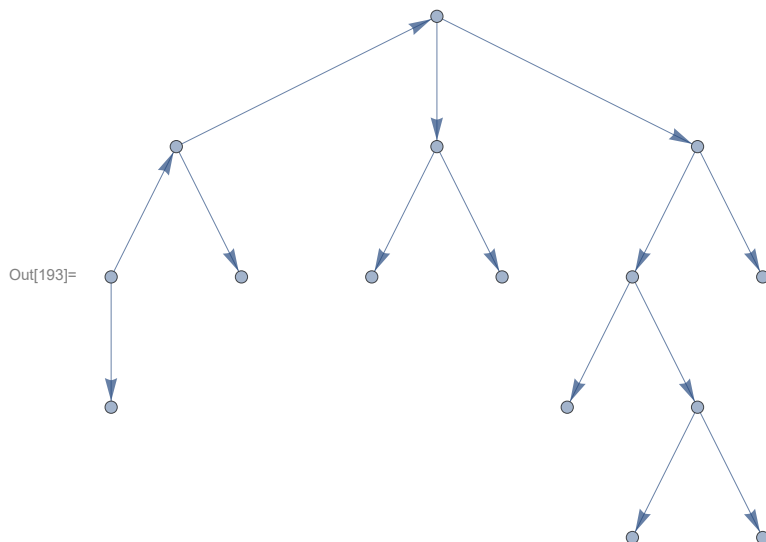
Out[185]=



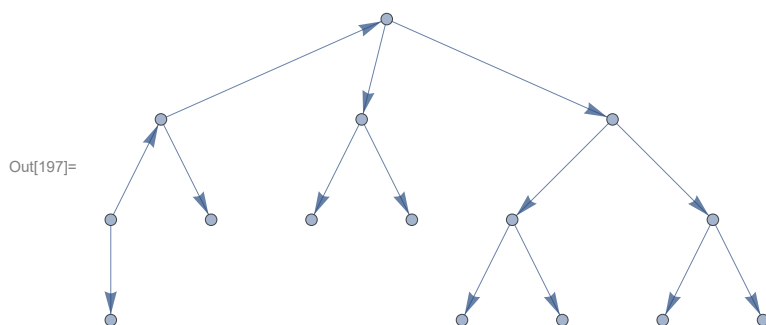
$$\text{Out[187]} = \left\{ -x + x^3 - x^5 + x^7 - x^9 + x^{11} + x^{15} + G \left(1 - 2x^2 + 4x^4 - 4x^6 + 5x^8 - 8x^{10} + 3x^{12} - 5x^{14} + 5x^{16} \right) + \right. \\ \left. G^2 \left(-3x^3 + 5x^5 - 6x^7 + 16x^9 - 15x^{11} + 12x^{13} - 20x^{15} + 10x^{17} \right) + \right. \\ \left. G^3 \left(-x^4 + 2x^6 - 9x^8 + 18x^{10} - 17x^{12} + 28x^{14} - 30x^{16} + 10x^{18} \right) + \right. \\ \left. G^4 \left(x^7 - 5x^9 + 8x^{11} - 16x^{13} + 27x^{15} - 20x^{17} + 5x^{19} \right) + G^5 \left(2x^{12} - 7x^{14} + 9x^{16} - 5x^{18} + x^{20} \right) \right\}$$



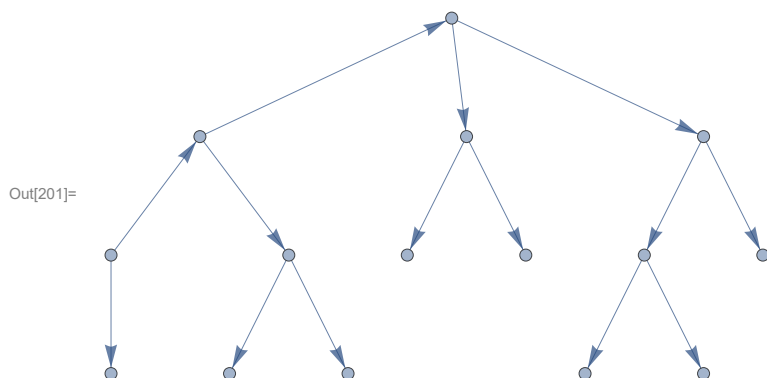
$$\text{Out[191]} = \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 3x^5 \right) + G^3 \left(-2x^4 + 2x^6 \right) \right\}$$



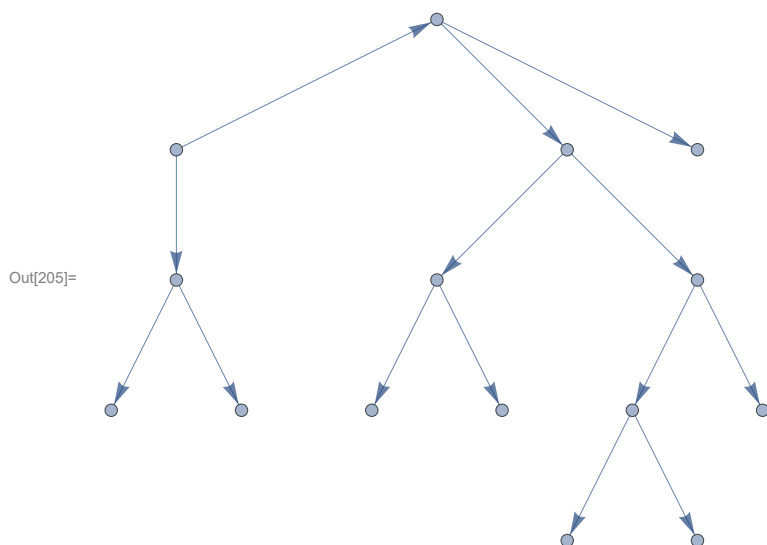
$$\text{Out[195]} = \left\{ x^4 + G \left(x - 3x^3 + 2x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3x^2 - 4x^4 + 2x^6 \right) + G^3 \left(2x^3 - 3x^5 + x^7 \right) \right\}$$



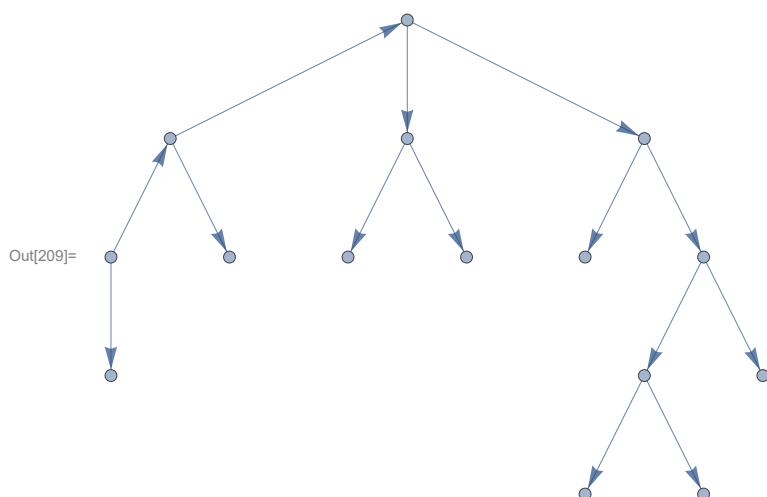
$$\text{Out[199]} = \left\{ x^4 + G \left(x - 3x^3 + 2x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3x^2 - 4x^4 + 2x^6 \right) + G^3 \left(2x^3 - 3x^5 + x^7 \right) \right\}$$



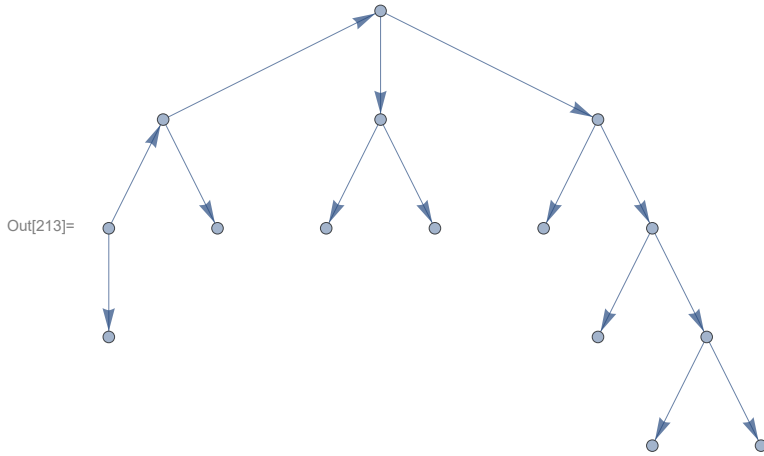
$$\text{Out[203]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



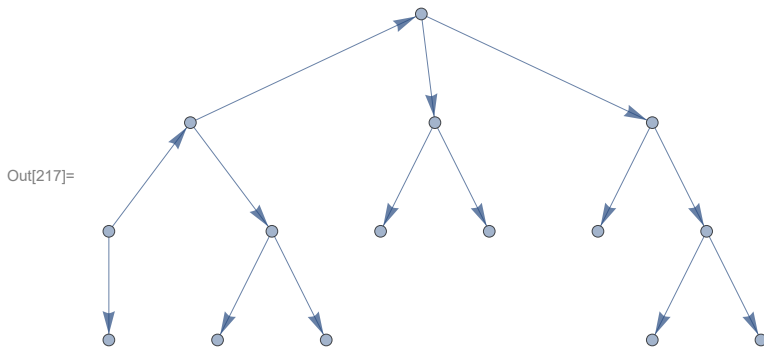
$$\text{Out[207]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 (-x^4 - 2x^6 + 5x^8 - 2x^{10}) + G (1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10}) + G^2 (-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11}) \right\}$$



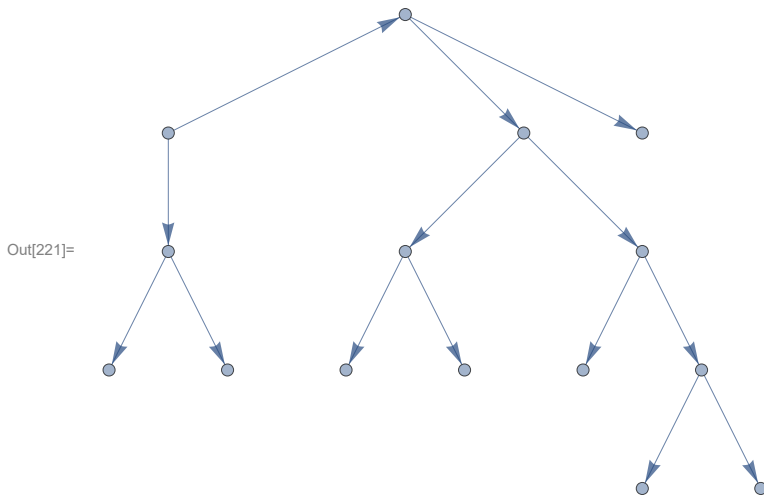
$$\text{Out[211]} = \left\{ x^4 + G (x - 3x^3 + 2x^5) + G^4 (x^4 - x^6) + G^2 (-1 + 3x^2 - 4x^4 + 2x^6) + G^3 (2x^3 - 3x^5 + x^7) \right\}$$



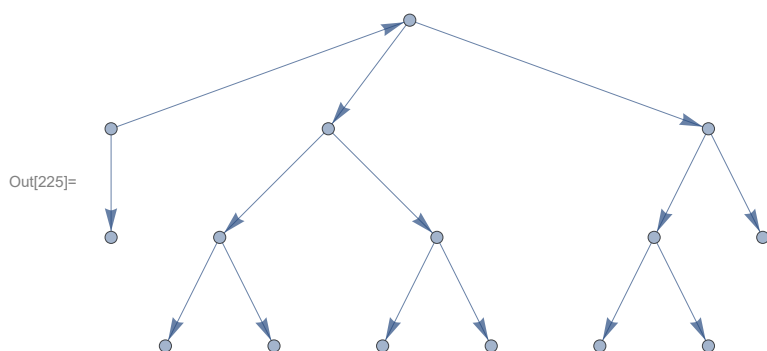
$$\text{Out[215]} = \left\{ -G^5 x^4 + x^5 + G^4 (-x^3 + 3x^5) + G^3 (1 - 4x^2 + 3x^4 - 3x^6) + G (-4x^4 + x^6) + G^2 (-x + 6x^3 - 3x^5 + x^7) \right\}$$



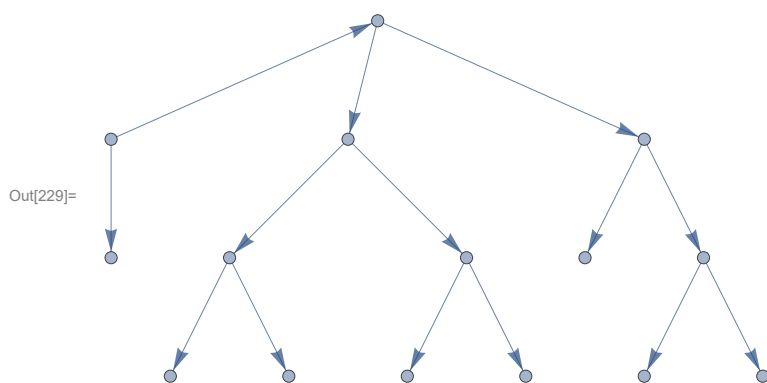
$$\text{Out[219]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 (-2x^3 + 3x^5) + G^2 (1 - 3x^2 + 5x^4 - 3x^6) + G (-x + 3x^3 - 4x^5 + x^7) \right\}$$



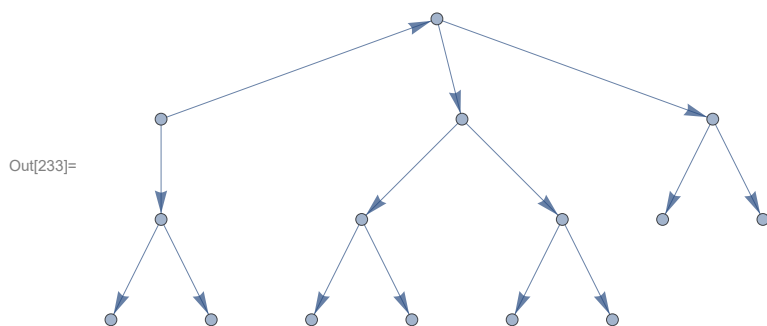
$$\text{Out[223]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 (-x^4 - 2x^6 + 5x^8 - 2x^{10}) + G (1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10}) + G^2 (-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11}) \right\}$$



$$\text{Out[227]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

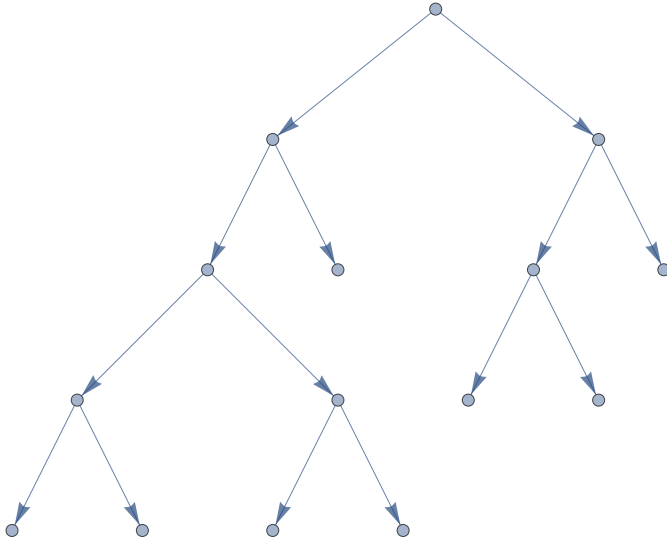


$$\text{Out[231]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 (-2x^3 + 3x^5) + G^2 (1 - 3x^2 + 5x^4 - 3x^6) + G (-x + 3x^3 - 4x^5 + x^7) \right\}$$



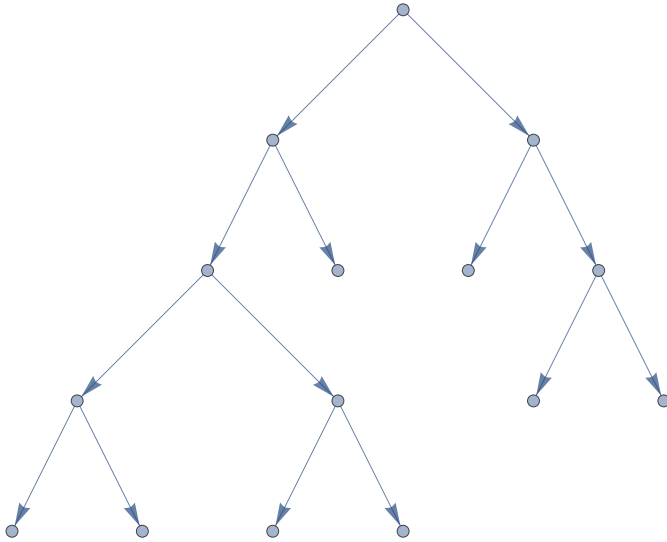
$$\text{Out[235]} = \left\{ -x + x^3 - 2G^3 x^4 - x^5 + x^7 + G^2 (-2x^3 + 5x^5) + G (1 - 2x^2 + 3x^4 - 4x^6) \right\}$$

Out[237]=

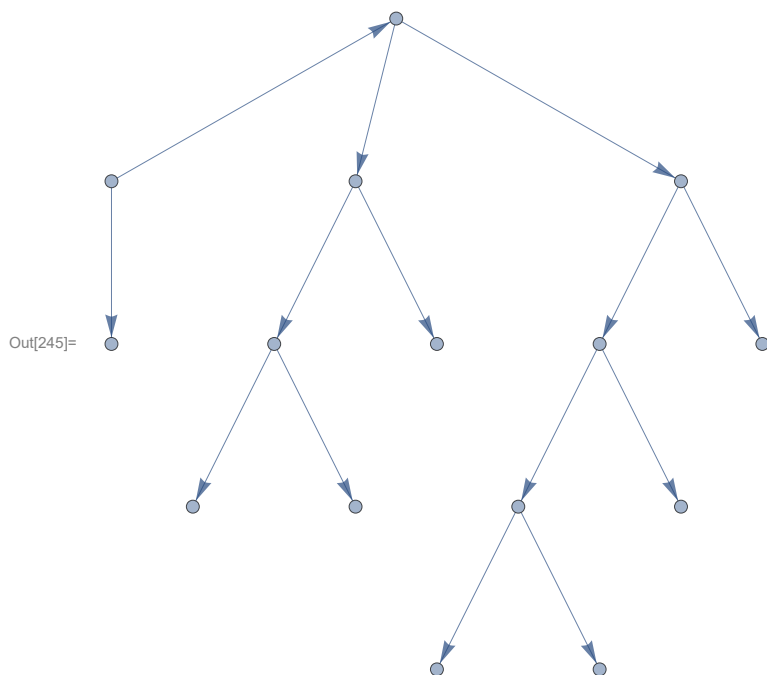


$$\text{Out[239]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 5x^8 - 2x^{10} \right) + \right. \\ \left. G \left(1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10} \right) + G^2 \left(-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11} \right) \right\}$$

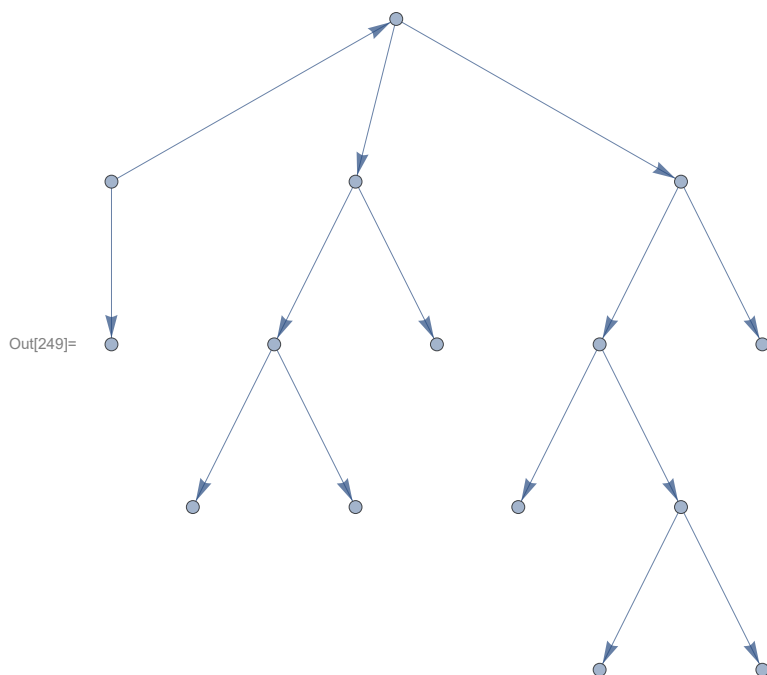
Out[241]=



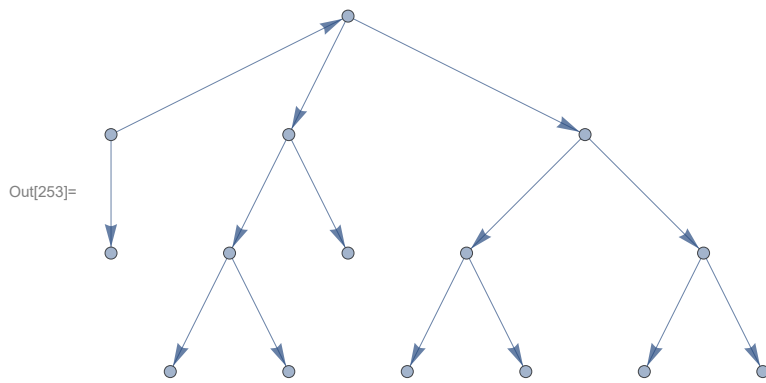
$$\text{Out[243]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 5x^8 - 2x^{10} \right) + \right. \\ \left. G \left(1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10} \right) + G^2 \left(-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11} \right) \right\}$$



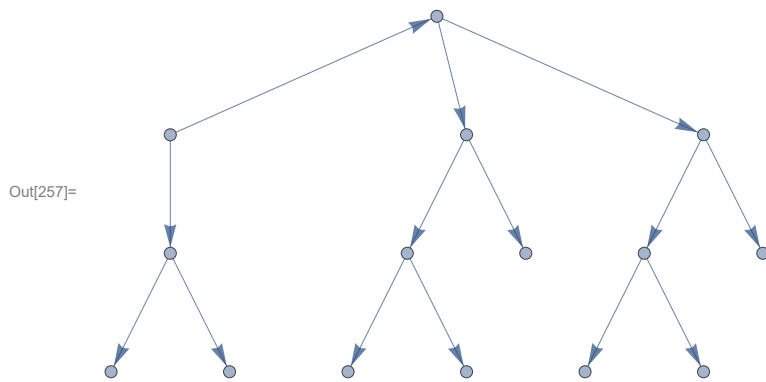
$$\text{Out[247]} = \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 3x^5 \right) + G^3 \left(-2x^4 + 2x^6 \right) \right\}$$



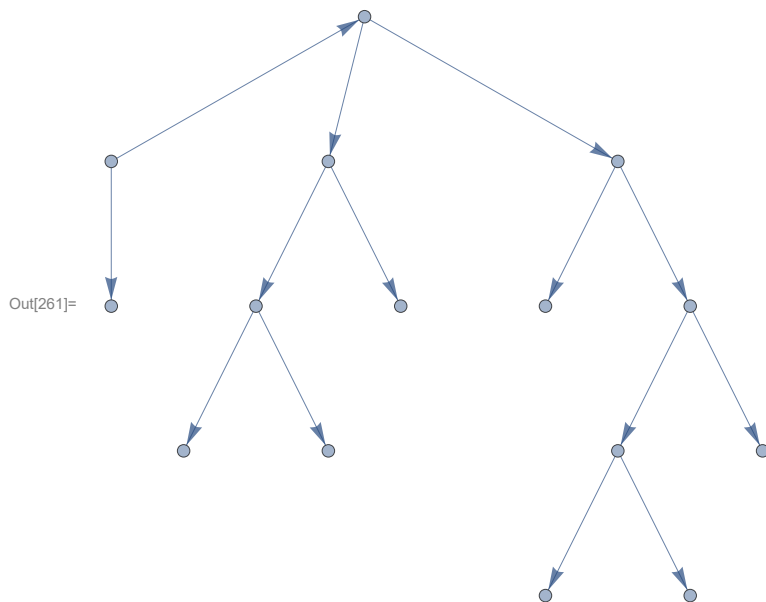
$$\text{Out[251]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - 2x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + x^6 \right) + G^2 \left(3x^3 - 3x^5 + x^7 \right) \right\}$$



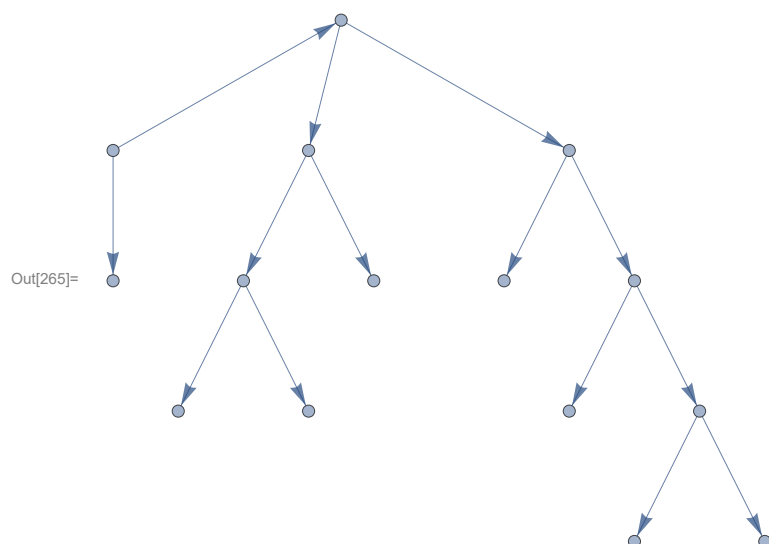
$$\text{Out[255]} = \left\{ x^4 + G \left(x - 3x^3 + 2x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3x^2 - 4x^4 + 2x^6 \right) + G^3 \left(2x^3 - 3x^5 + x^7 \right) \right\}$$



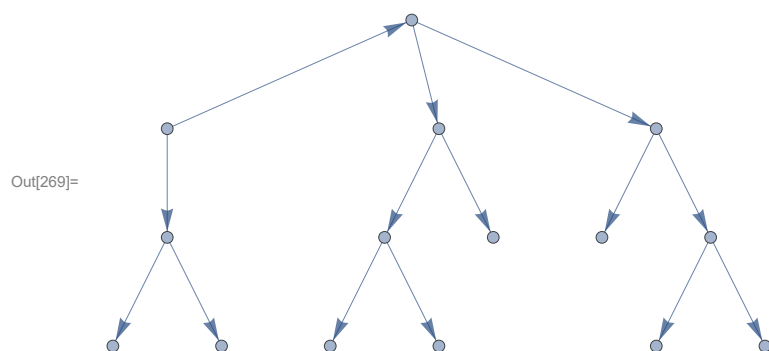
$$\text{Out[259]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$



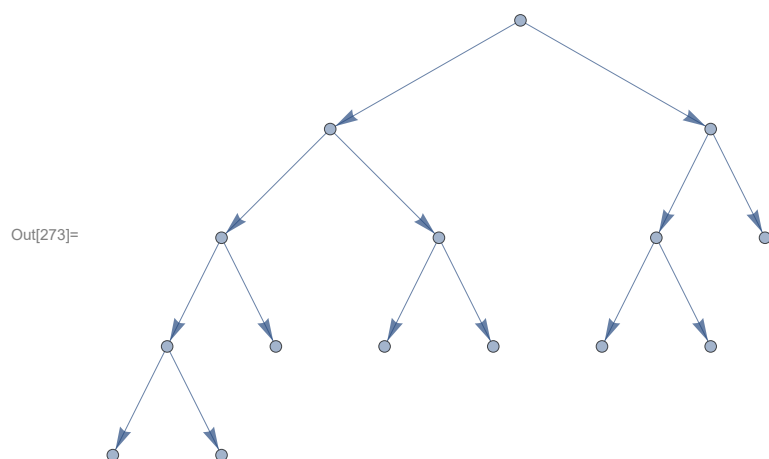
$$\text{Out[263]} = \left\{ x^4 + G \left(x - 3x^3 + 2x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3x^2 - 4x^4 + 2x^6 \right) + G^3 \left(2x^3 - 3x^5 + x^7 \right) \right\}$$



$$\text{Out[267]} = \left\{ -G^5 x^4 + x^5 + G^4 (-x^3 + 3x^5) + G^3 (1 - 4x^2 + 3x^4 - 3x^6) + G (-4x^4 + x^6) + G^2 (-x + 6x^3 - 3x^5 + x^7) \right\}$$

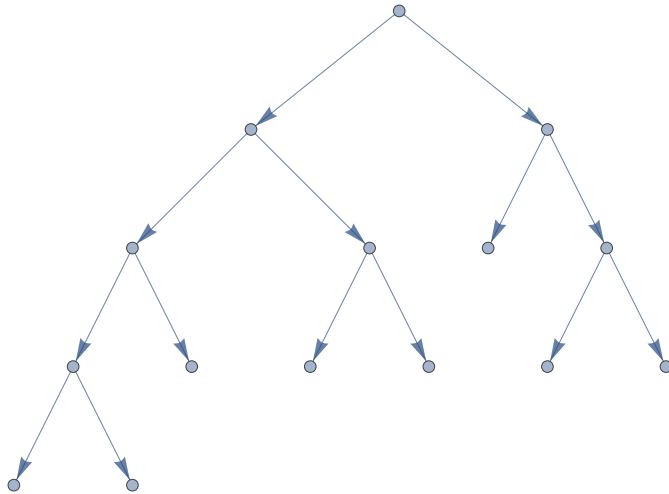


$$\text{Out[271]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



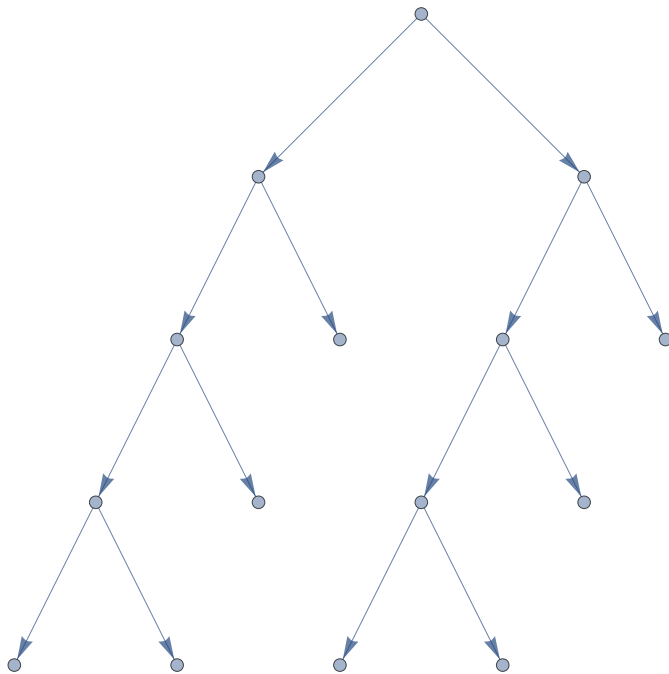
$$\text{Out[275]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

Out[277]=



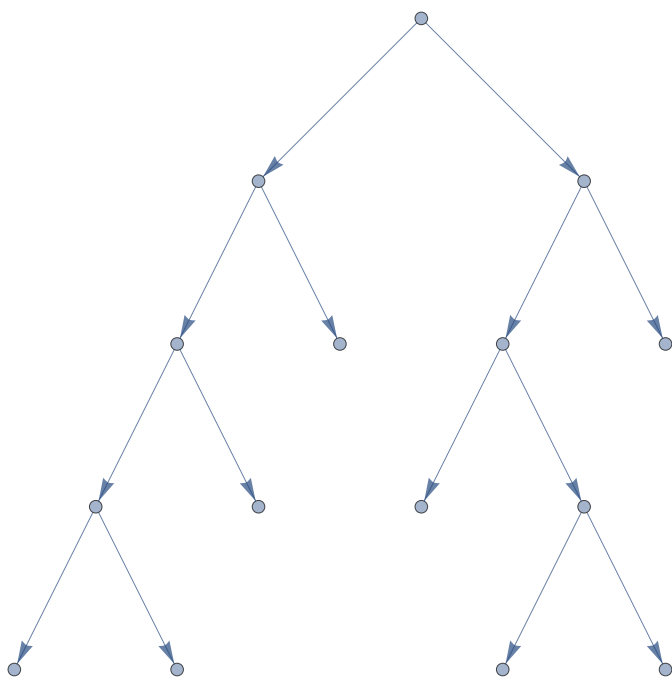
$$\text{Out[279]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

Out[281]=



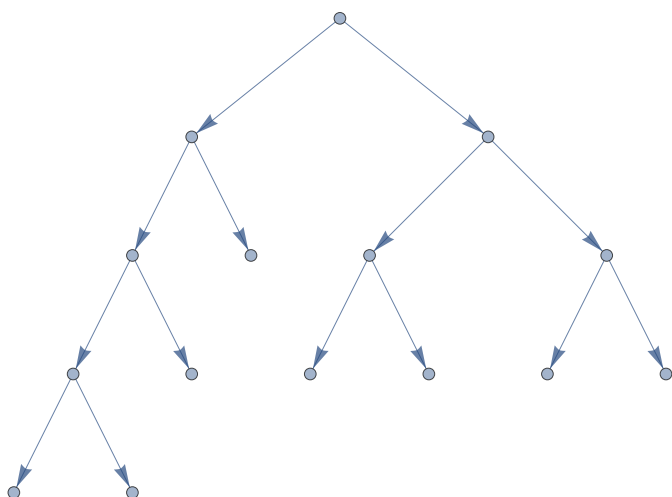
$$\text{Out[283]} = \left\{ -x + x^3 + G^4 x^7 + G (1 - 2x^2 + 2x^4) + G^2 (-2x^3 + 3x^5) + G^3 (-2x^4 + 2x^6) \right\}$$

Out[285]=



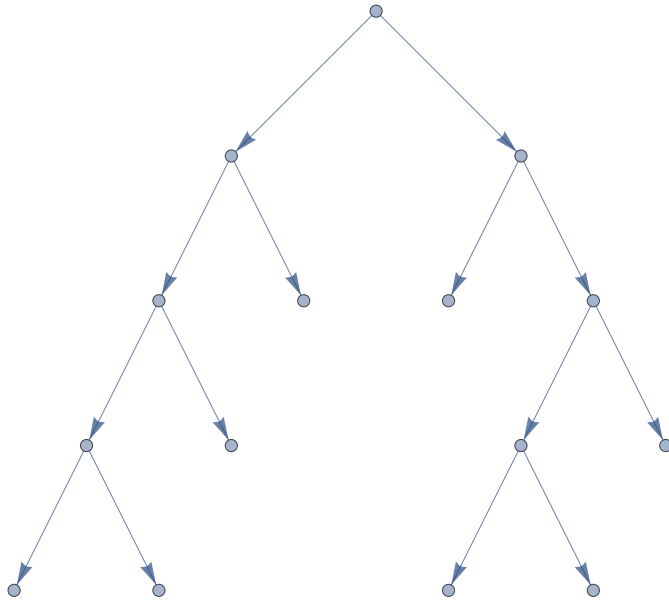
$$\text{Out[287]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2 (-3x^3 + 3x^5) + G(1 - 2x^2 + 4x^4 - x^6) + G^3(-x^4 + x^6) \right\}$$

Out[289]=



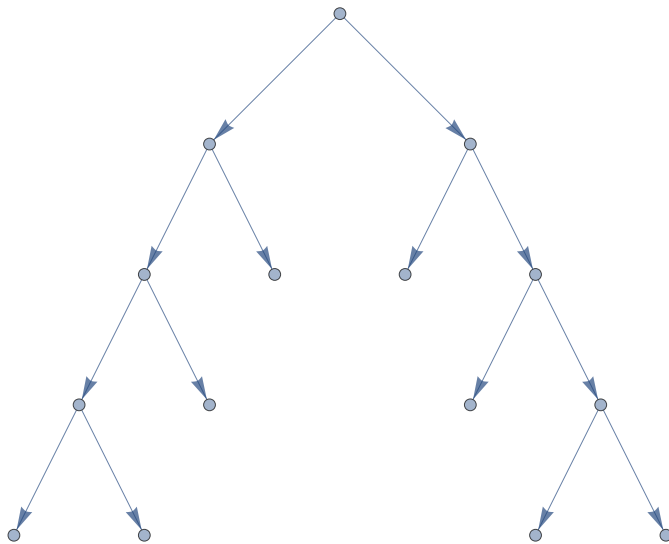
$$\text{Out[291]} = \left\{ x - x^3 + x^5 + G^3(x^4 - 2x^6) + G(-1 + 2x^2 - 4x^4 + x^6) + G^2(3x^3 - 3x^5 + x^7) \right\}$$

Out[293]=

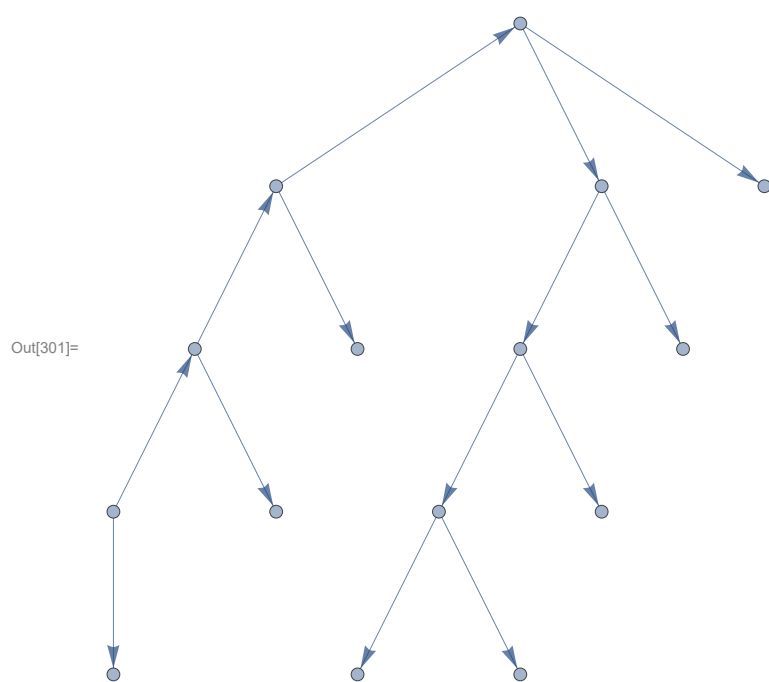


$$\text{Out[295]} = \left\{ x - x^3 + x^7 + G(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8) + G^2(2x^3 - 6x^7 + 5x^9) + G^3(x^4 + x^6 - 7x^8 + 5x^{10}) + G^4(x^7 - 4x^9 + 3x^{11}) + G^5(-x^{10} + x^{12}) \right\}$$

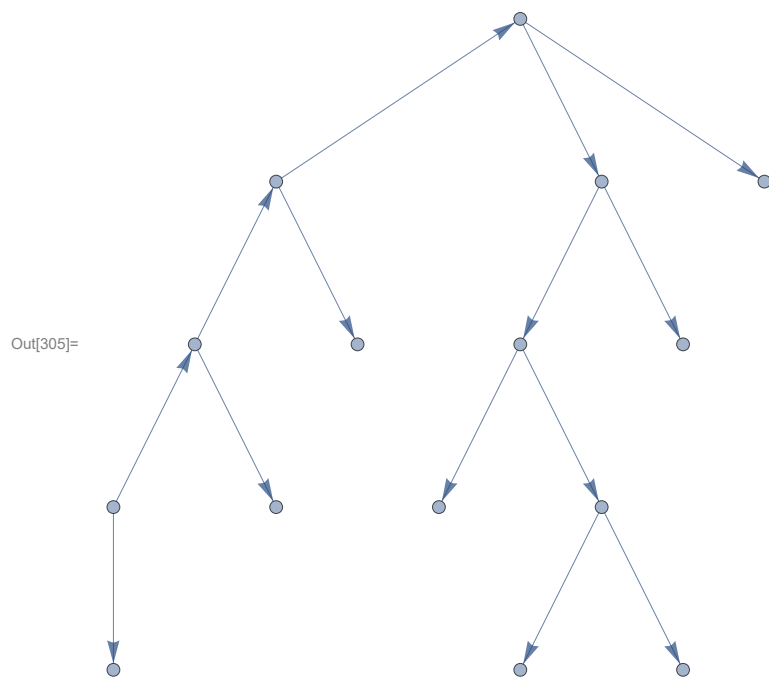
Out[297]=



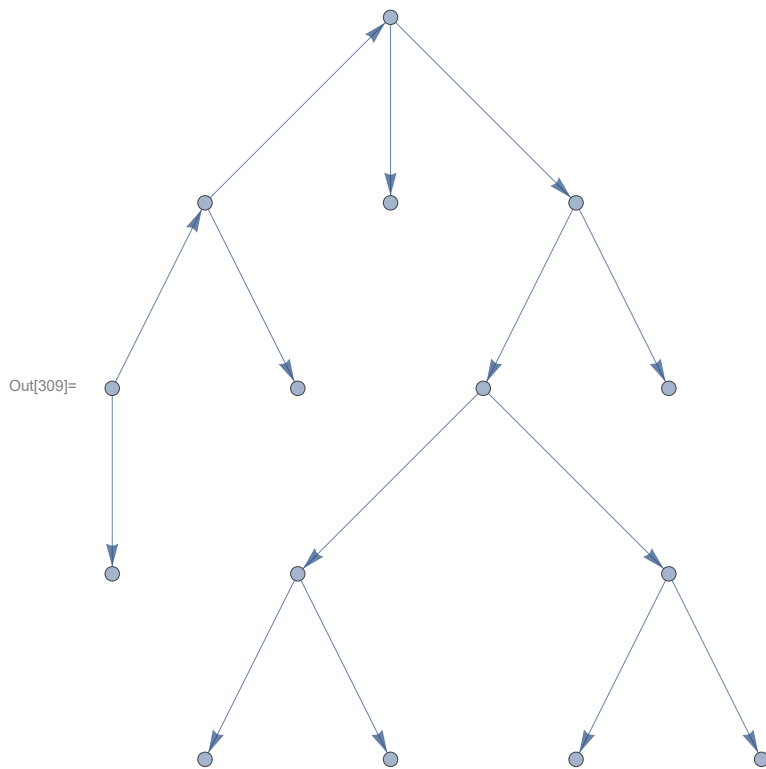
$$\text{Out[299]} = \left\{ -x + x^3 + G^4 x^7 + G(1 - 2x^2 + 2x^4) + G^2(-2x^3 + 3x^5) + G^3(-2x^4 + 2x^6) \right\}$$



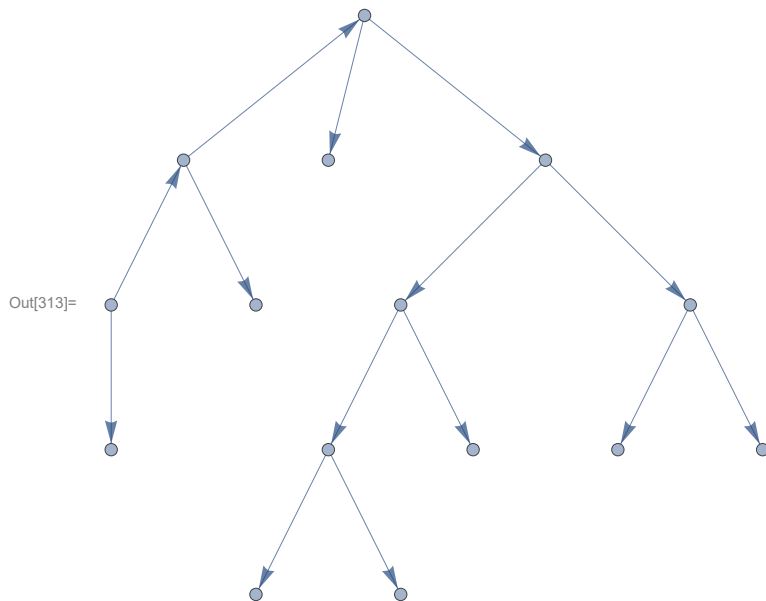
$$\text{Out[303]} = \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 3x^5 \right) + G^3 \left(-2x^4 + 2x^6 \right) \right\}$$



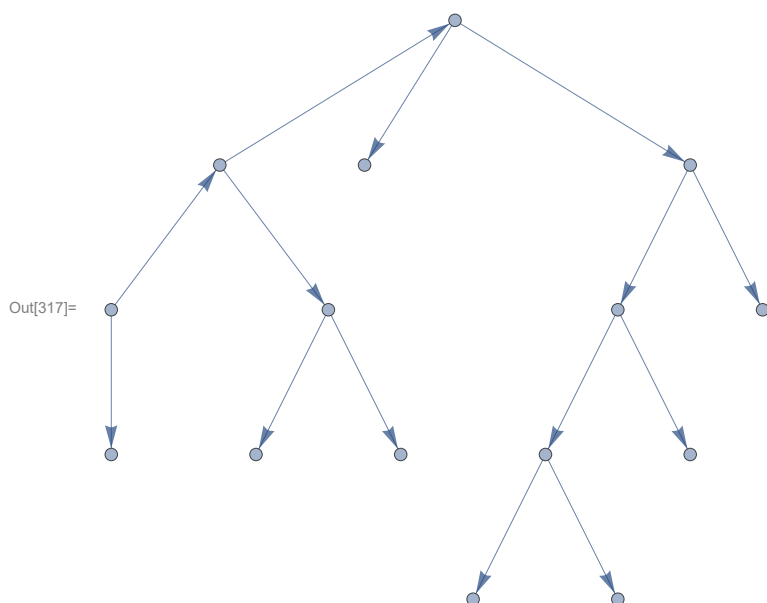
$$\text{Out[307]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$



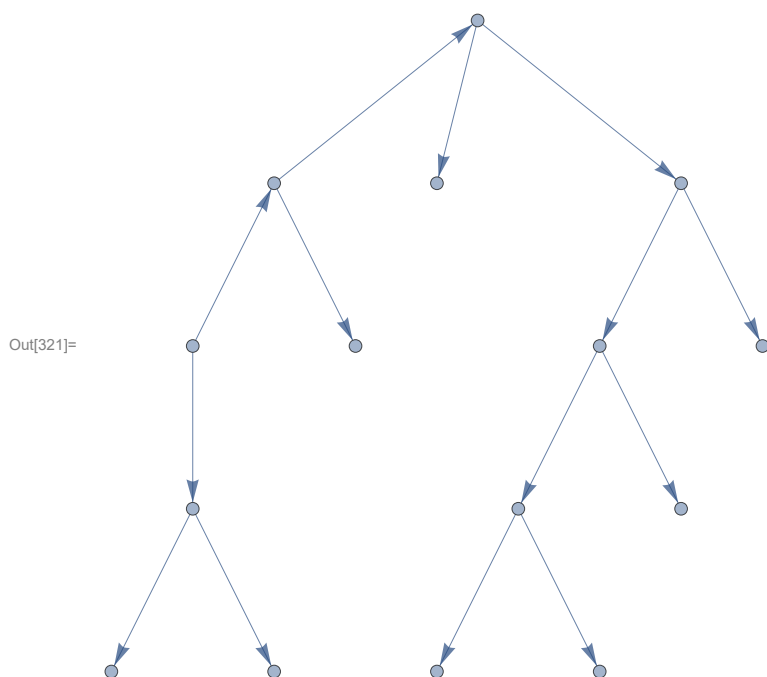
$$\text{Out[311]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$



$$\text{Out[315]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$

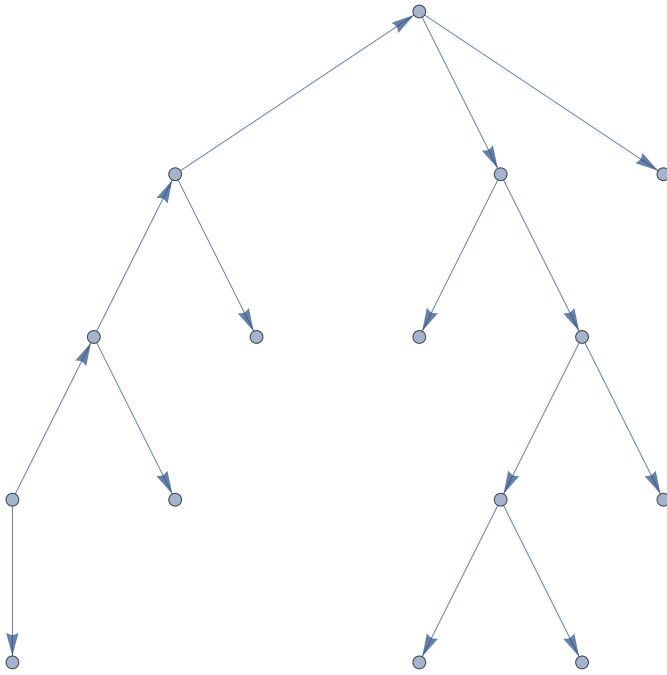


$$\text{Out[319]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$



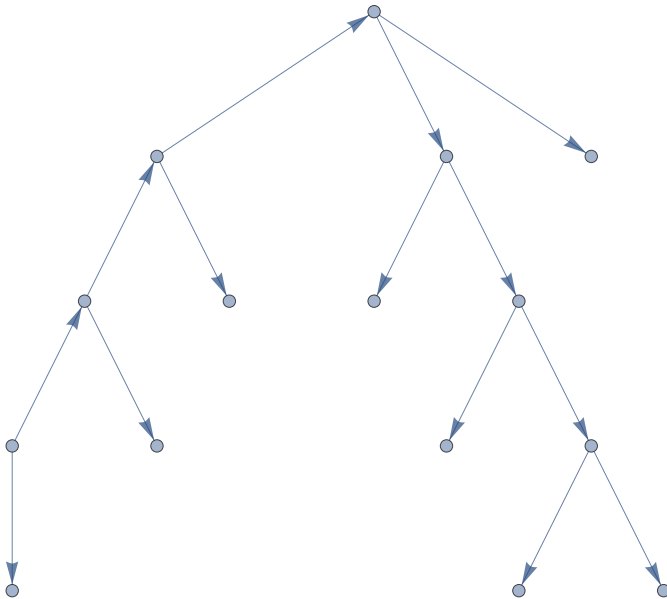
$$\text{Out[323]} = \left\{ x - x^3 + x^7 + G (-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8) + G^2 (2x^3 - 6x^7 + 5x^9) + G^3 (x^4 + x^6 - 7x^8 + 5x^{10}) + G^4 (x^7 - 4x^9 + 3x^{11}) + G^5 (-x^{10} + x^{12}) \right\}$$

Out[325]=

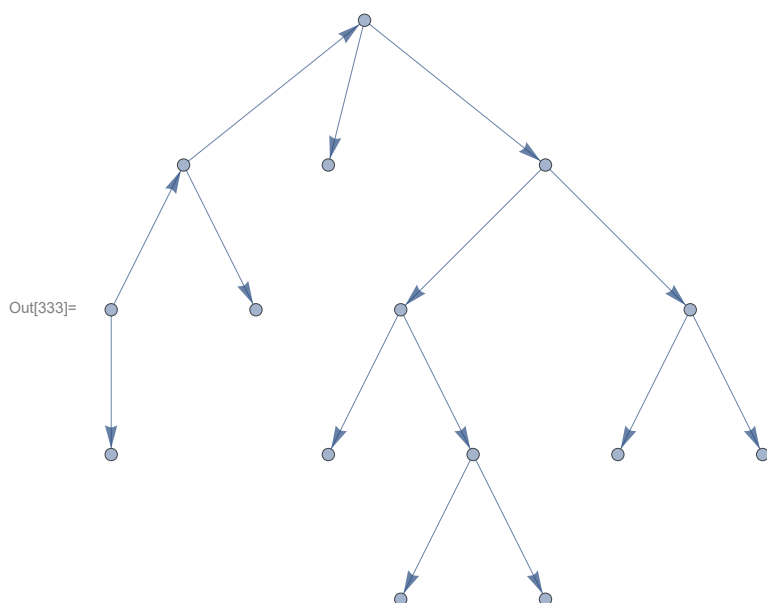


$$\text{Out[327]} = \{x^4 + G(x - 3x^3 + 3x^5) + G^2(-1 + 3x^2 - 6x^4 + 3x^6) + G^3(3x^3 - 3x^5 + x^7)\}$$

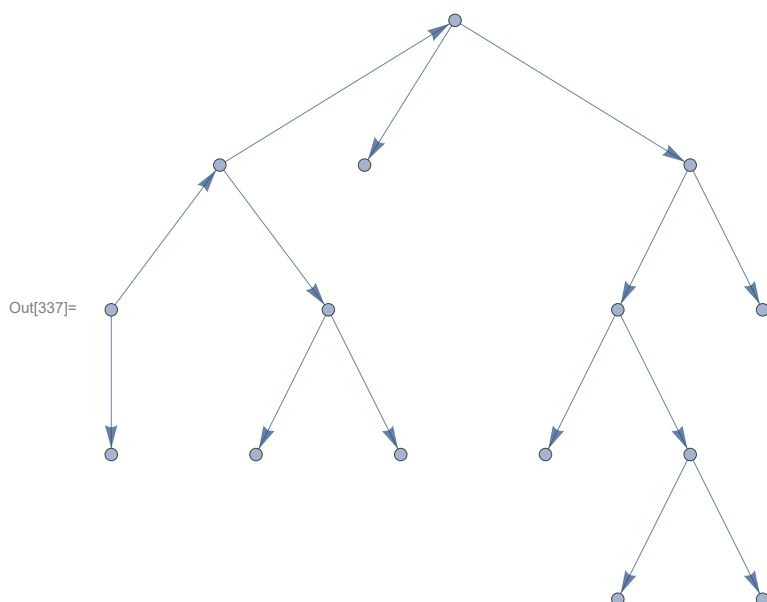
Out[329]=



$$\text{Out[331]} = \{x^5 + G^4(-2x^3 + x^5) + G^3(1 - 4x^2 + 6x^4 - 2x^6) + G(-4x^4 + 2x^6) + G^2(-x + 6x^3 - 6x^5 + x^7)\}$$

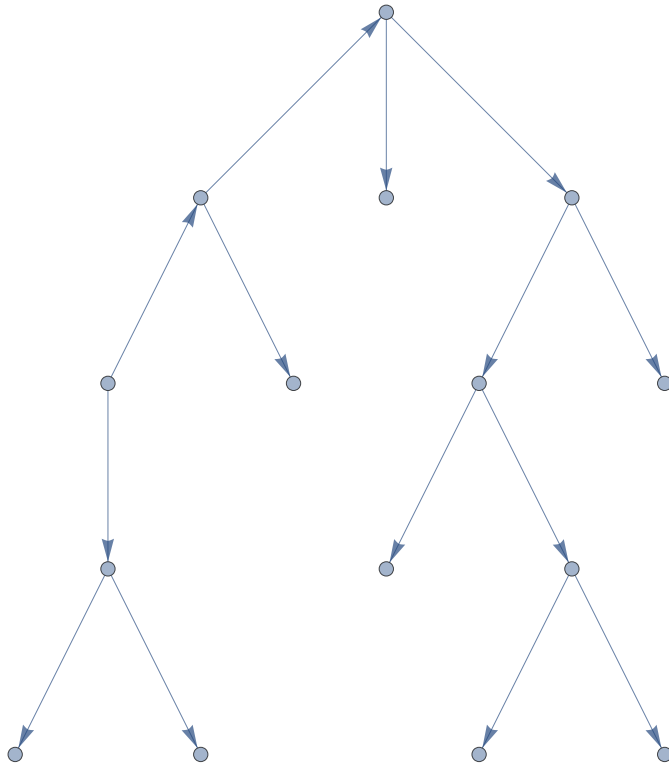


$$\text{Out[335]} = \left\{ x^5 + G^4 \left(-2x^3 + x^5 \right) + G^3 \left(1 - 4x^2 + 6x^4 - 2x^6 \right) + G \left(-4x^4 + 2x^6 \right) + G^2 \left(-x + 6x^3 - 6x^5 + x^7 \right) \right\}$$



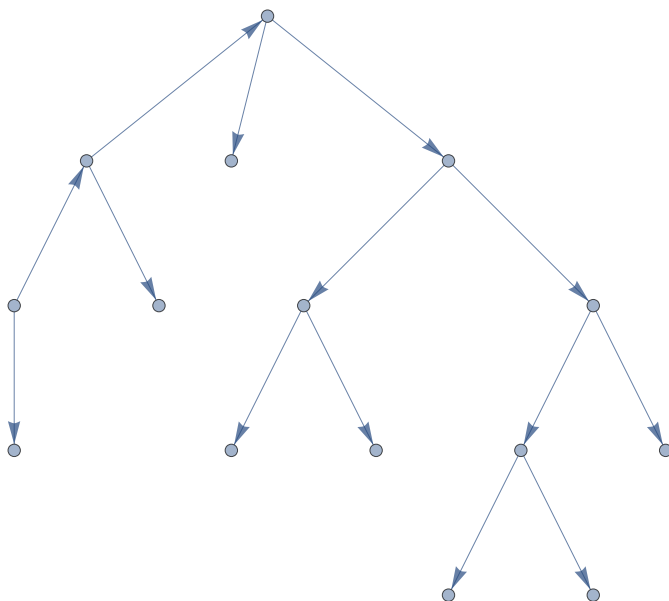
$$\text{Out[339]} = \left\{ -x + x^3 - 2x^5 + x^7 + G^2 \left(-4x^3 + 4x^5 \right) + G \left(1 - 2x^2 + 6x^4 - 4x^6 \right) \right\}$$

Out[341]=

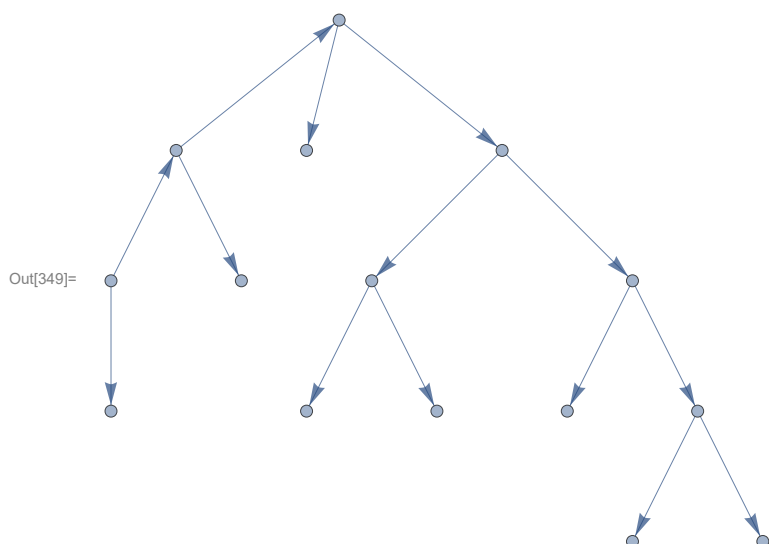


$$\text{Out[343]} = \left\{ x - x^3 + 2x^5 + x^9 + G^3(-x^6 + x^{10}) + G(-1 + 2x^2 - 6x^4 + 2x^6 - 3x^8 + 2x^{10}) + G^2(4x^3 - 3x^5 + 3x^7 - 3x^9 + x^{11}) + G^4(-2x^9 + x^{11}) \right\}$$

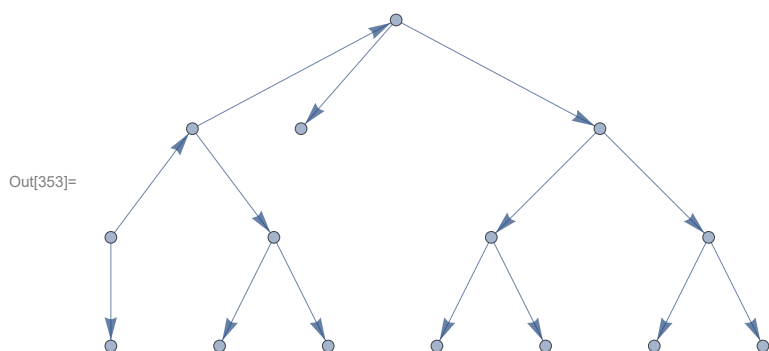
Out[345]=



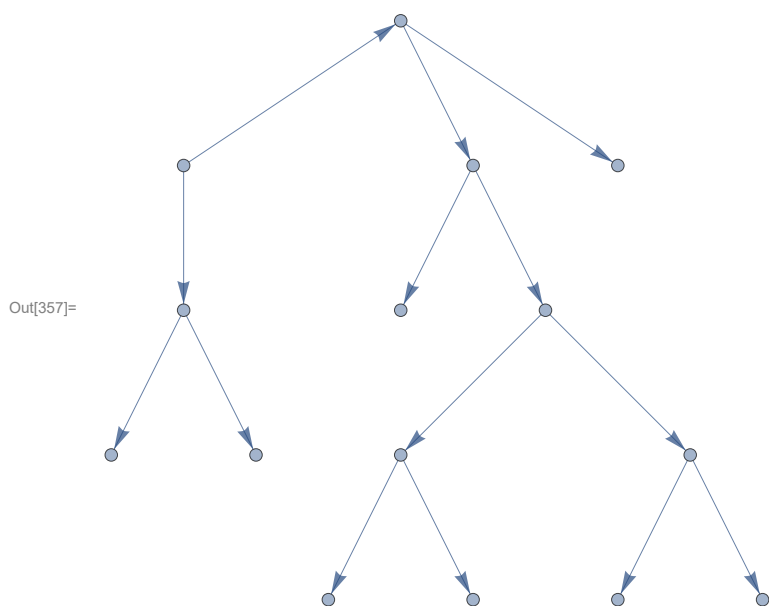
$$\text{Out[347]} = \left\{ x^4 + G(x - 3x^3 + 3x^5) + G^2(-1 + 3x^2 - 6x^4 + 3x^6) + G^3(3x^3 - 3x^5 + x^7) \right\}$$



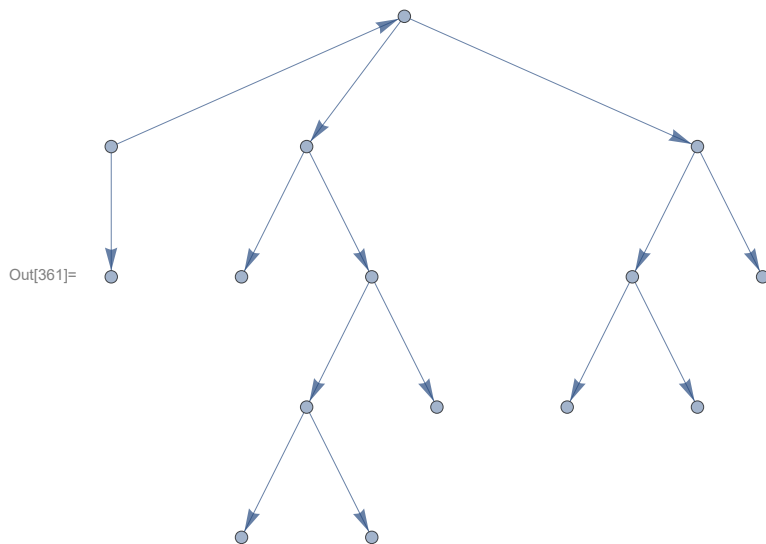
$$\text{Out[351]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$



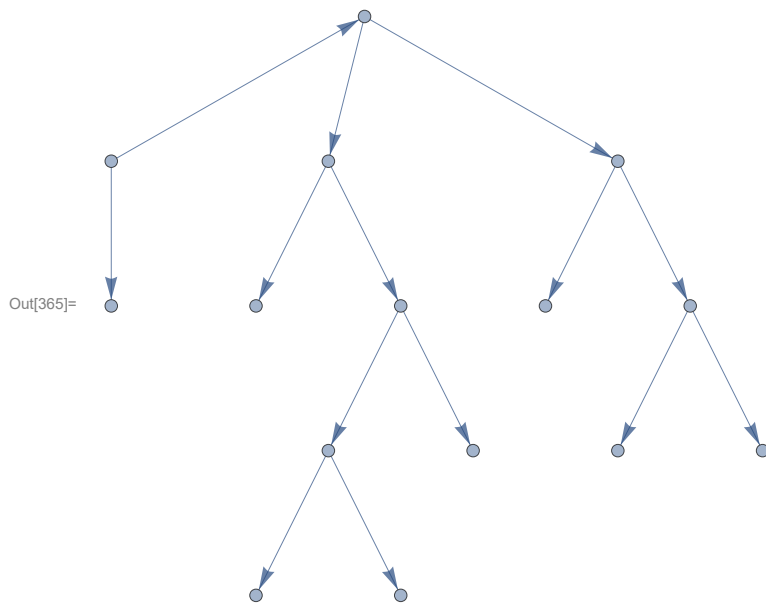
$$\text{Out[355]} = \left\{ -x^4 + x^6 + G^3 (-3x^3 + 2x^5) + G^2 (1 - 3x^2 + 7x^4 - 3x^6) + G (-x + 3x^3 - 5x^5 + x^7) \right\}$$



$$\text{Out[359]} = \left\{ x - x^3 + x^5 + x^7 - 2x^9 + x^{11} + G^3 (3x^6 - 8x^8 + 4x^{10}) + G^2 (3x^3 - 11x^7 + 14x^9 - 4x^{11}) + G (-1 + 2x^2 - 4x^4 - 2x^6 + 9x^8 - 7x^{10} + x^{12}) \right\}$$

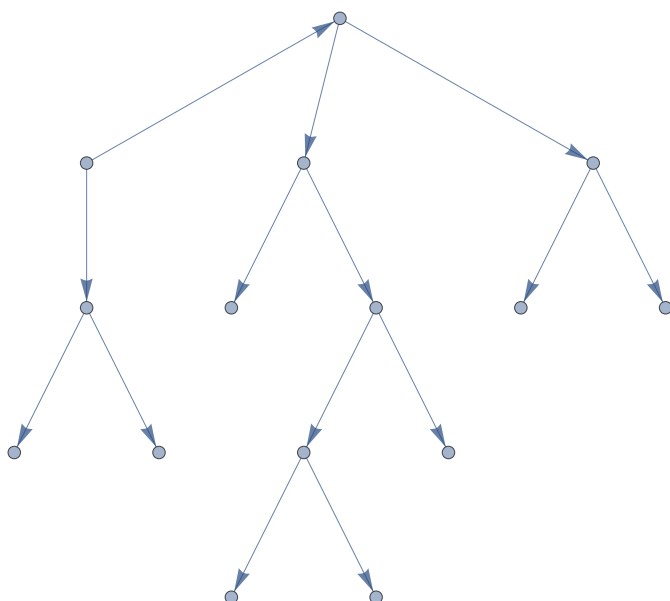


$$\text{Out[363]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



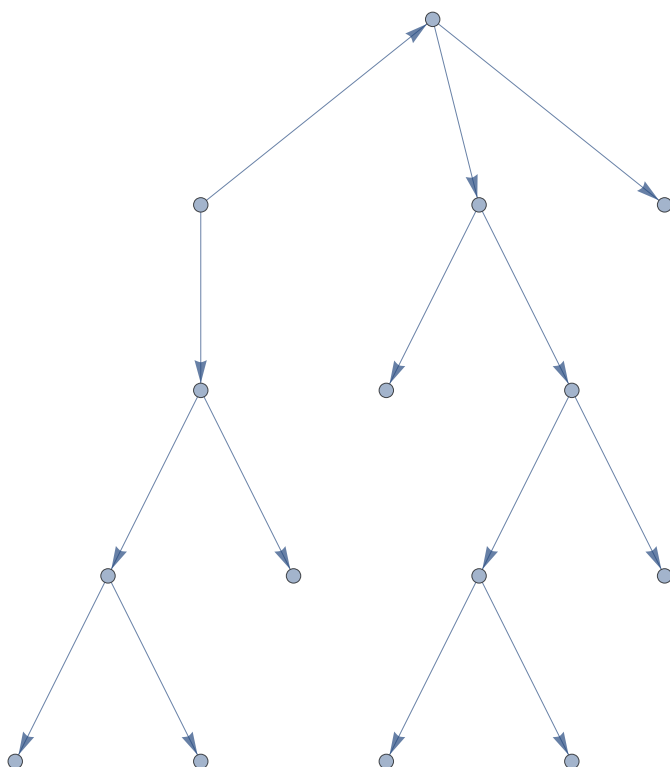
$$\text{Out[367]} = \left\{ -x^4 + x^6 + G^3 (-3x^3 + 2x^5) + G^2 (1 - 3x^2 + 7x^4 - 3x^6) + G (-x + 3x^3 - 5x^5 + x^7) \right\}$$

Out[369]=



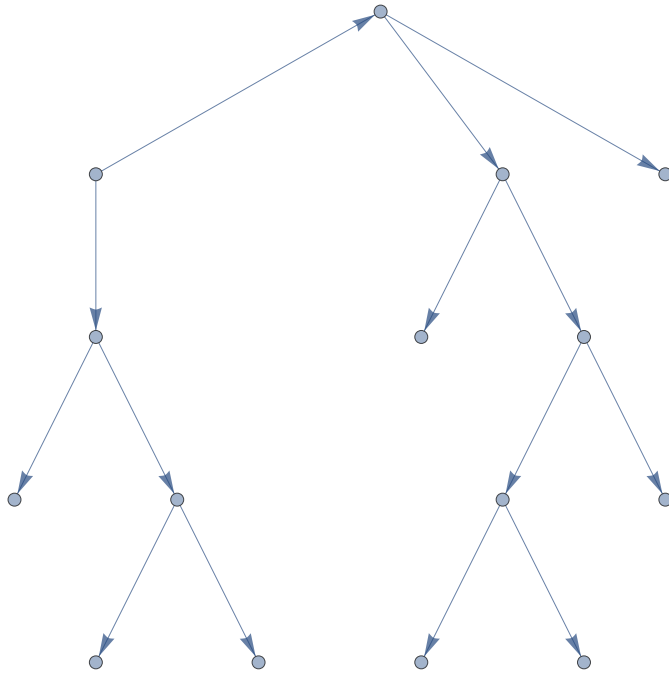
$$\text{Out[371]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

Out[373]=



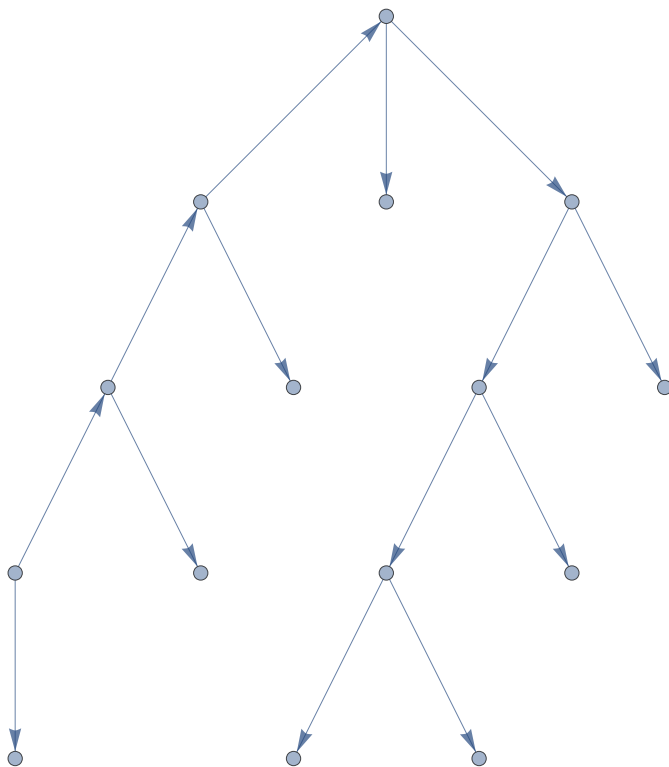
$$\text{Out[375]} = \left\{ x - x^3 + x^7 + G (-1 + 2x^2 - 2x^4 - 3x^6 + 4x^8) + G^2 (2x^3 + x^5 - 9x^7 + 7x^9) + G^3 (4x^6 - 11x^8 + 7x^{10}) + G^4 (3x^7 - 7x^9 + 4x^{11}) + G^5 (x^8 - 2x^{10} + x^{12}) \right\}$$

Out[377]=



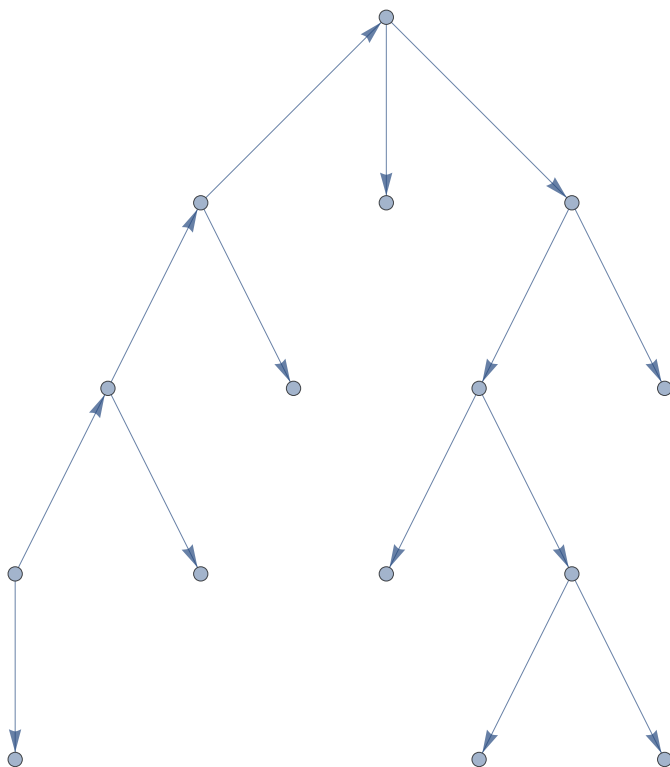
$$\text{Out[379]} = \left\{ x - x^3 + x^5 + x^7 - x^9 + G^5 x^{12} + G \left(-1 + 2x^2 - 4x^4 - 2x^6 + 6x^8 - x^{10} \right) + \right. \\ \left. G^3 \left(3x^6 - 6x^8 + 6x^{10} \right) + G^2 \left(3x^3 - 9x^7 + 6x^9 - x^{11} \right) + G^4 \left(-4x^9 + 2x^{11} \right) \right\}$$

Out[381]=



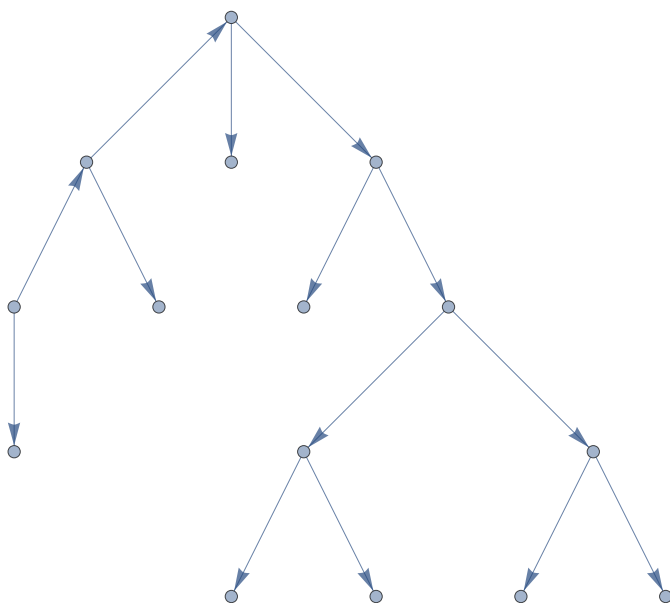
$$\text{Out[383]} = \left\{ x^4 + G \left(x - 3x^3 + 2x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3x^2 - 4x^4 + 2x^6 \right) + G^3 \left(2x^3 - 3x^5 + x^7 \right) \right\}$$

Out[385]=

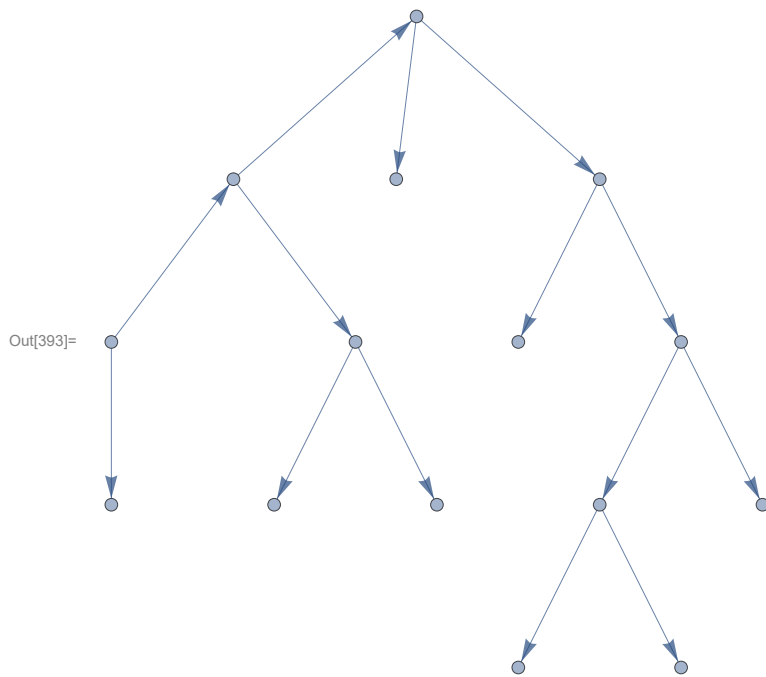


$$\text{Out[387]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$

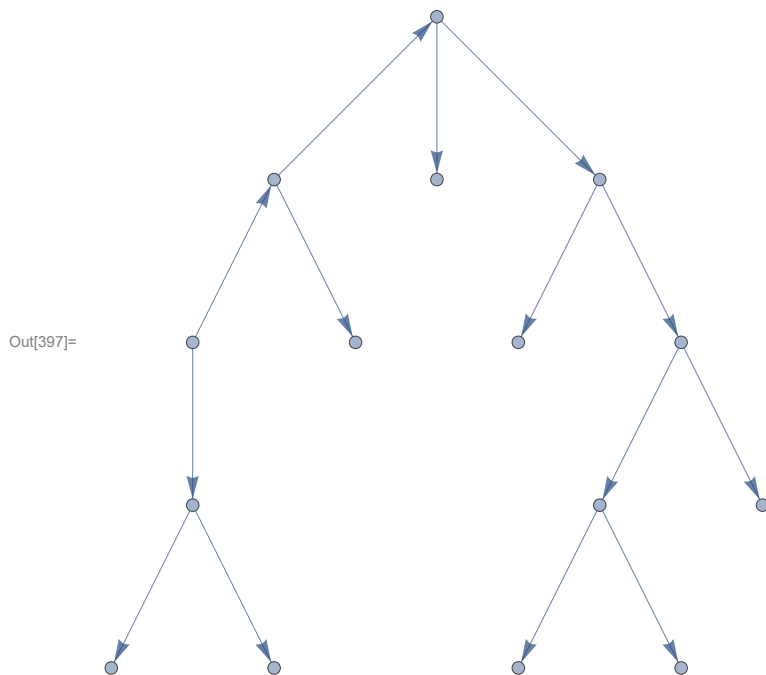
Out[389]=



$$\text{Out[391]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$

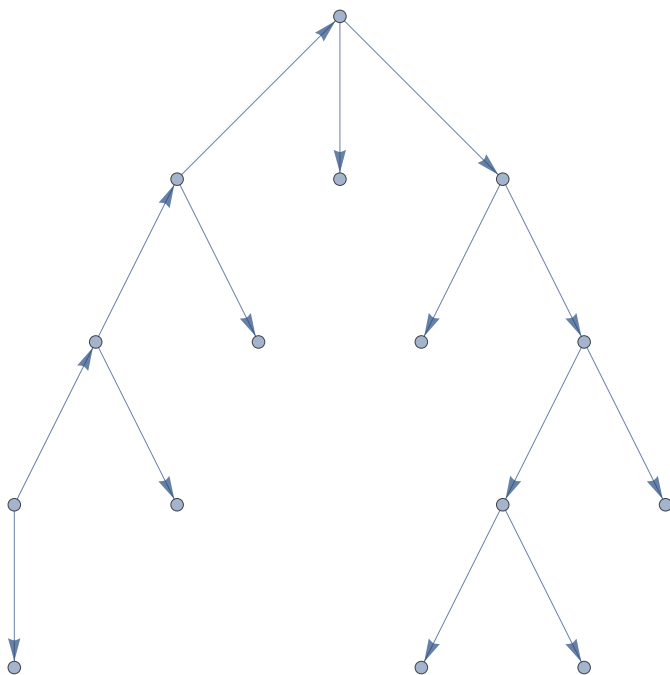


$$\text{Out}[395]=\left\{-x^4+x^6+G^3\left(-3x^3+2x^5\right)+G^2\left(1-3x^2+7x^4-3x^6\right)+G\left(-x+3x^3-5x^5+x^7\right)\right\}$$



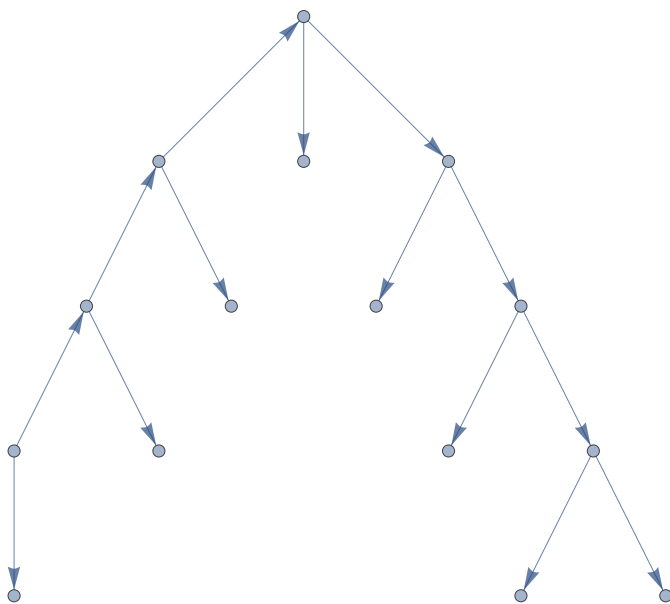
$$\text{Out[399]} = \left\{ x^3 - x^5 + x^9 + G \left(-3x^2 + 4x^4 - 3x^6 - 5x^8 + 5x^{10} \right) + \right. \\ G^2 \left(3x - 5x^3 + 9x^5 + 6x^7 - 20x^9 + 10x^{11} \right) + G^3 \left(-1 + 2x^2 - 9x^4 - x^6 + 27x^8 - 30x^{10} + 10x^{12} \right) + \\ \left. G^4 \left(3x^3 - x^5 - 15x^7 + 29x^9 - 20x^{11} + 5x^{13} \right) + G^5 \left(3x^6 - 9x^8 + 10x^{10} - 5x^{12} + x^{14} \right) \right\}$$

Out[401]=

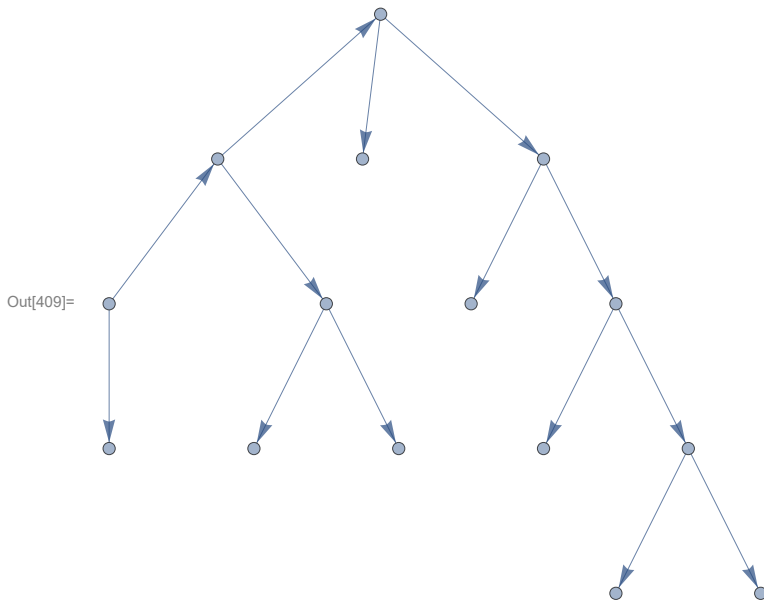


$$\text{Out[403]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$

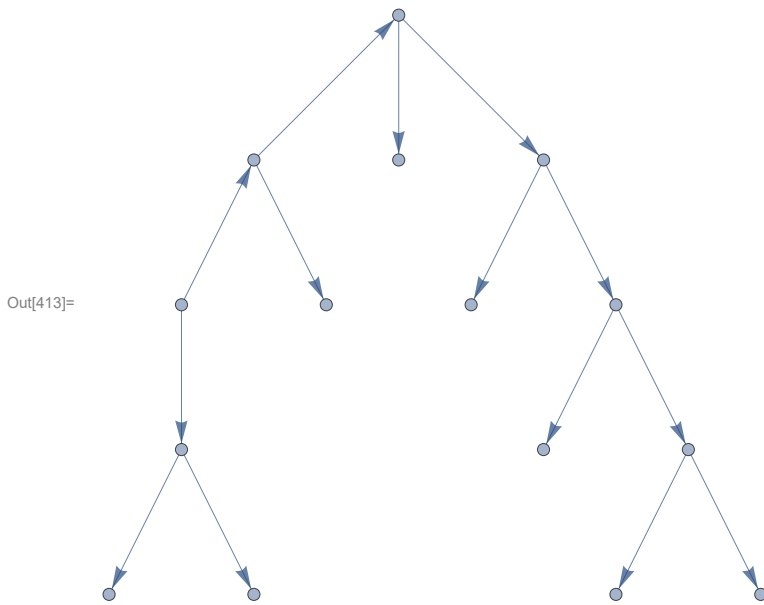
Out[405]=



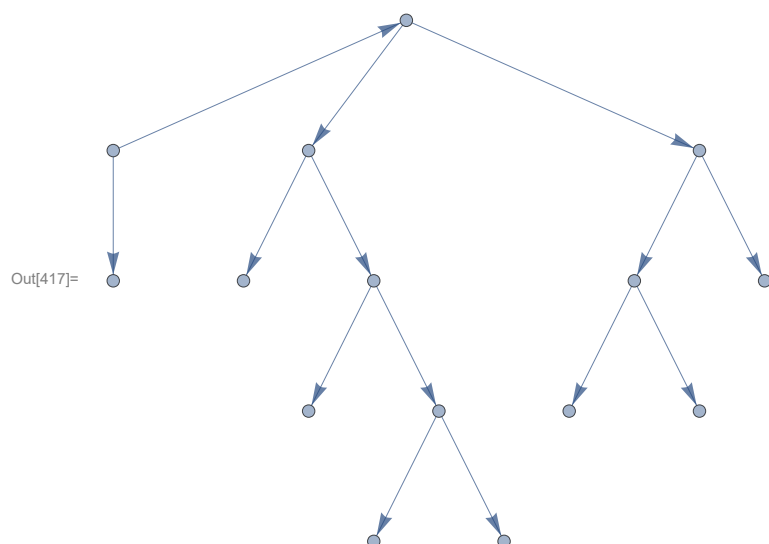
$$\text{Out[407]} = \left\{ G^5 x^3 + x^6 + G^4 (-1 + 5x^2 - 4x^4) + G^3 (x - 10x^3 + 6x^5) + G^2 (10x^4 - 4x^6) + G (-5x^5 + x^7) \right\}$$



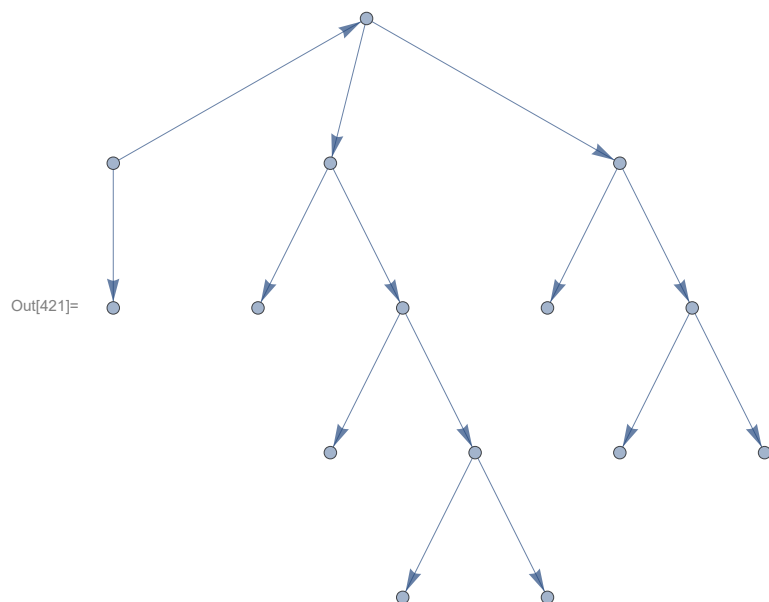
$$\text{Out[411]} = \left\{ 2 G^4 x^3 - x^5 + x^7 + G^3 (-1 + 4 x^2 - 7 x^4) + G^2 (x - 6 x^3 + 9 x^5) + G (4 x^4 - 5 x^6) \right\}$$



$$\begin{aligned} \text{Out[415]} = & \left\{ x^3 - x^5 + x^9 + G (-3 x^2 + 4 x^4 - 3 x^6 - 5 x^8 + 5 x^{10}) + \right. \\ & G^2 (3 x - 5 x^3 + 9 x^5 + 6 x^7 - 20 x^9 + 10 x^{11}) + G^3 (-1 + 2 x^2 - 9 x^4 - x^6 + 27 x^8 - 30 x^{10} + 10 x^{12}) + \\ & \left. G^4 (3 x^3 - x^5 - 15 x^7 + 29 x^9 - 20 x^{11} + 5 x^{13}) + G^5 (3 x^6 - 9 x^8 + 10 x^{10} - 5 x^{12} + x^{14}) \right\} \end{aligned}$$

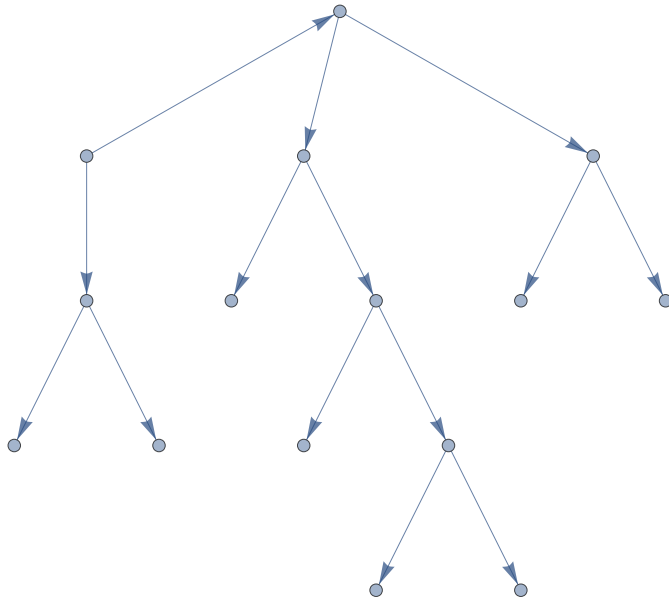


$$\text{Out[419]= } \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



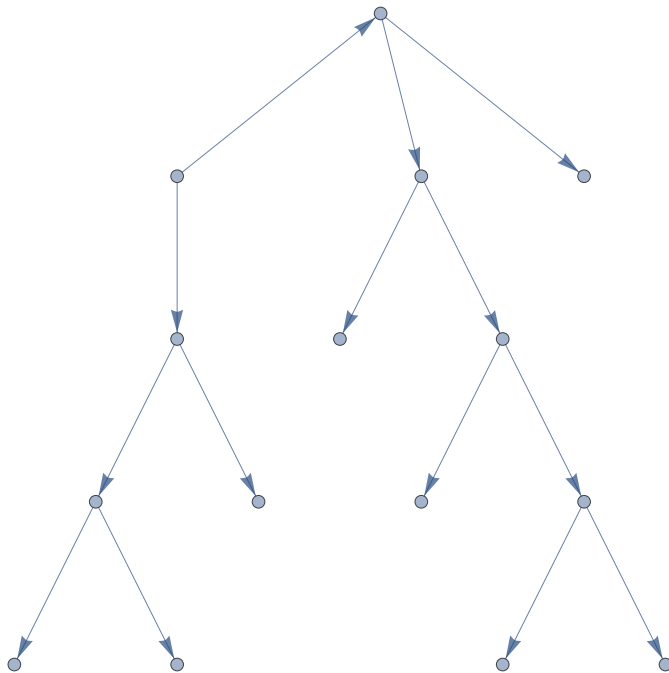
$$\text{Out[423]= } \left\{ 3 G^4 x^3 + x^7 + G^3 \left(-1 + 3 x^2 - 9 x^4 \right) + G^2 \left(x - 3 x^3 + 10 x^5 \right) + G \left(x^4 - 5 x^6 \right) \right\}$$

Out[425]=



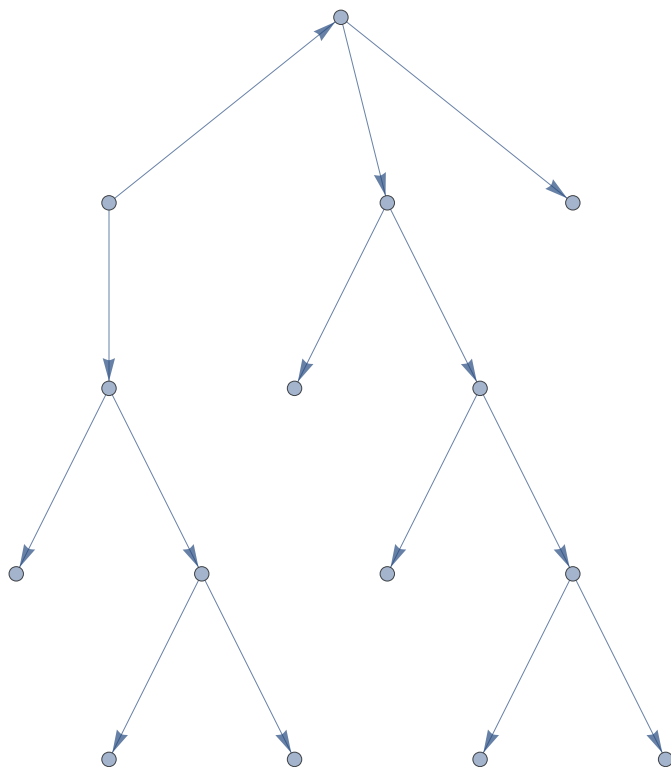
$$\text{Out[427]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

Out[429]=



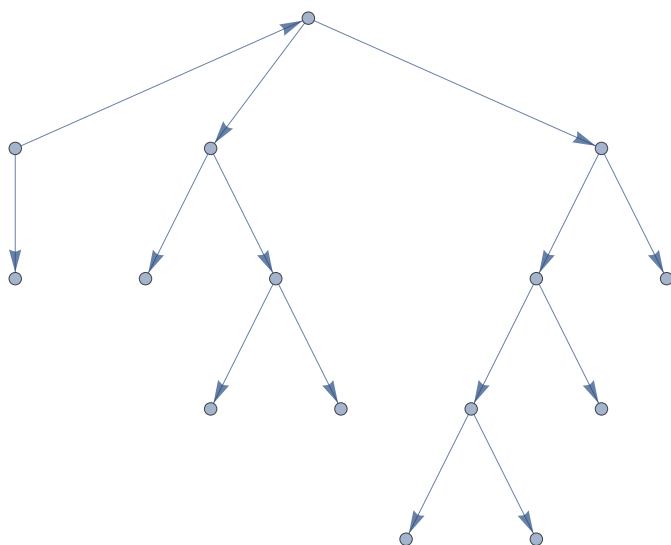
$$\text{Out[431]} = \left\{ x - x^3 + x^5 + x^7 - x^9 + G^5 x^{12} + G (-1 + 2x^2 - 4x^4 - 2x^6 + 6x^8 - x^{10}) + \right. \\ \left. G^3 (3x^6 - 6x^8 + 6x^{10}) + G^2 (3x^3 - 9x^7 + 6x^9 - x^{11}) + G^4 (-4x^9 + 2x^{11}) \right\}$$

Out[433]=

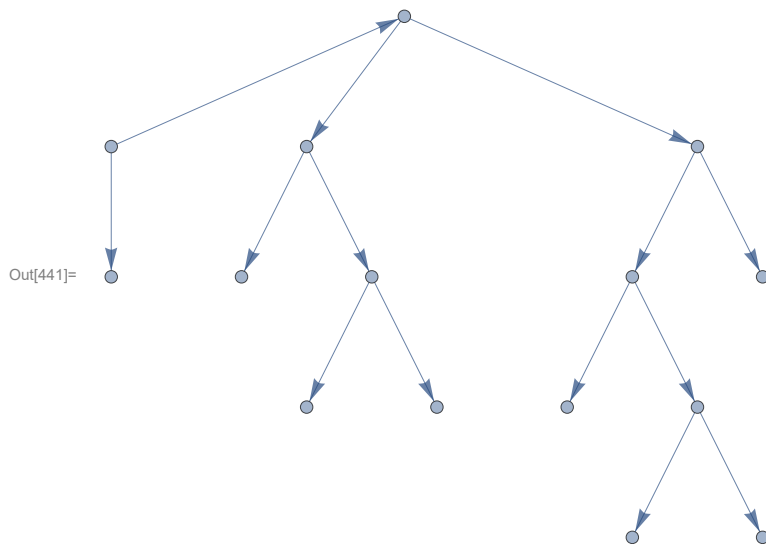


$$\text{Out[435]} = \left\{ x - x^3 + x^7 + G \left(-1 + 2x^2 - 2x^4 - 3x^6 + 4x^8 \right) + G^2 \left(2x^3 + x^5 - 9x^7 + 7x^9 \right) + G^3 \left(4x^6 - 11x^8 + 7x^{10} \right) + G^4 \left(3x^7 - 7x^9 + 4x^{11} \right) + G^5 \left(x^8 - 2x^{10} + x^{12} \right) \right\}$$

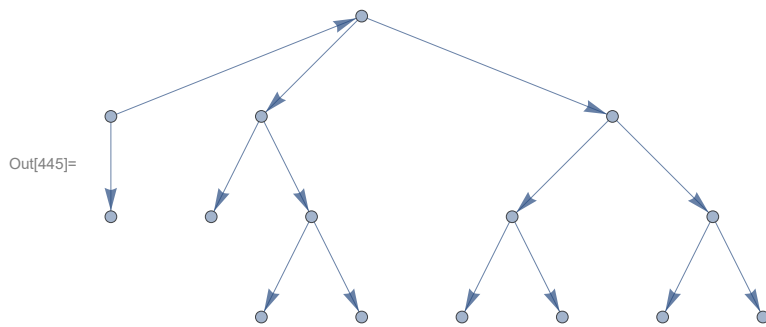
Out[437]=



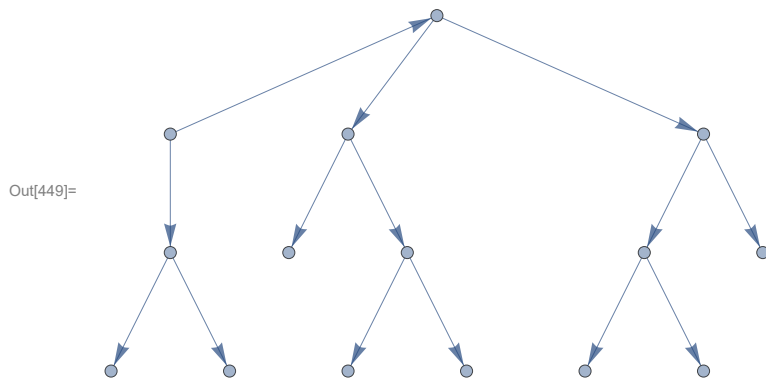
$$\text{Out[439]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - 2x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + x^6 \right) + G^2 \left(3x^3 - 3x^5 + x^7 \right) \right\}$$



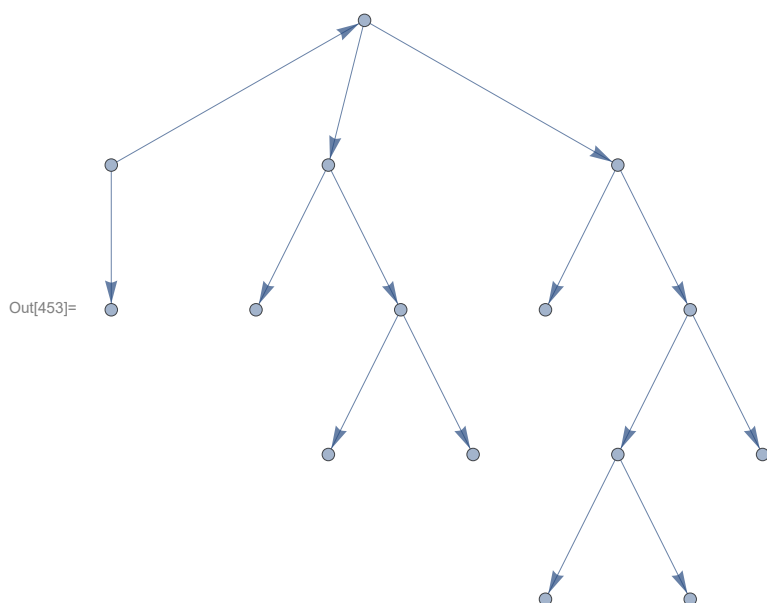
$$\text{Out[443]} = \left\{ -x + x^3 - 2x^5 + x^7 + G^2 \left(-4x^3 + 4x^5 \right) + G \left(1 - 2x^2 + 6x^4 - 4x^6 \right) \right\}$$



$$\text{Out[447]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$

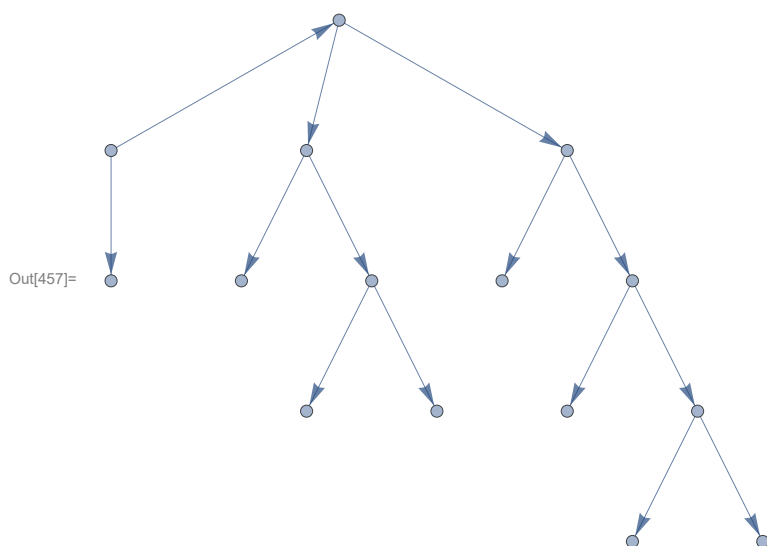


$$\text{Out[451]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$



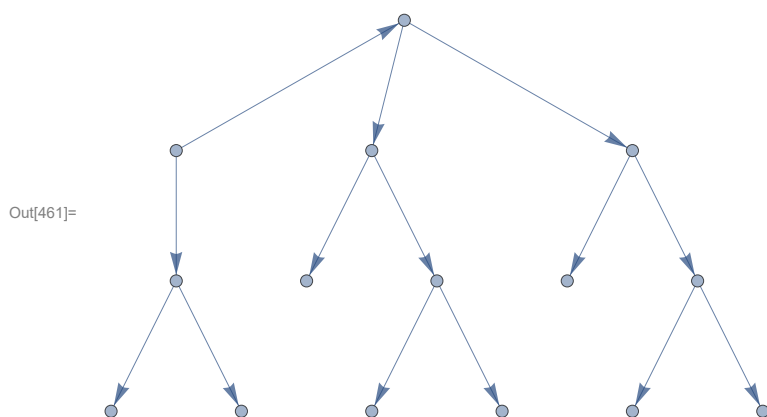
Out[453]=

$$\text{Out[455]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



Out[457]=

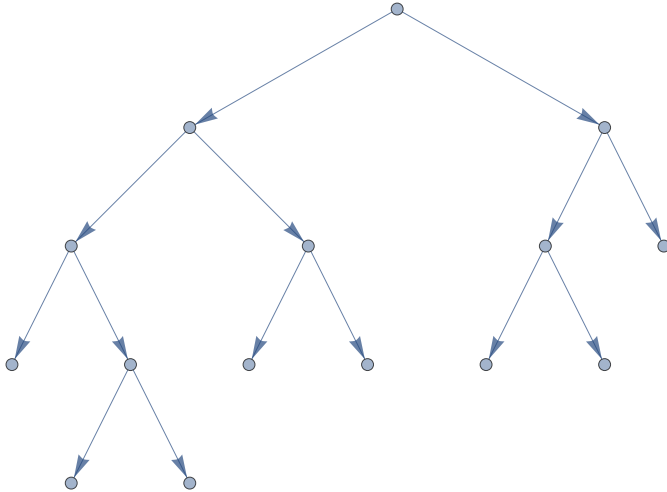
$$\text{Out[459]} = \left\{ 2G^4x^3 - x^5 + x^7 + G^3 \left(-1 + 4x^2 - 7x^4 \right) + G^2 \left(x - 6x^3 + 9x^5 \right) + G \left(4x^4 - 5x^6 \right) \right\}$$



Out[461]=

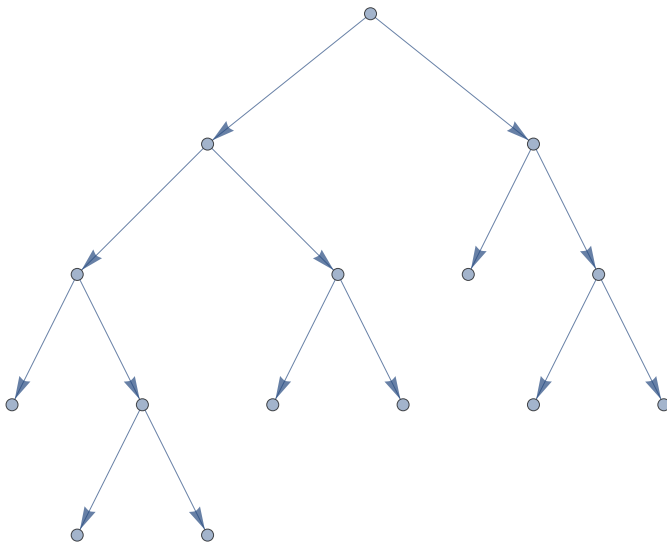
$$\text{Out[463]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$

Out[465]=



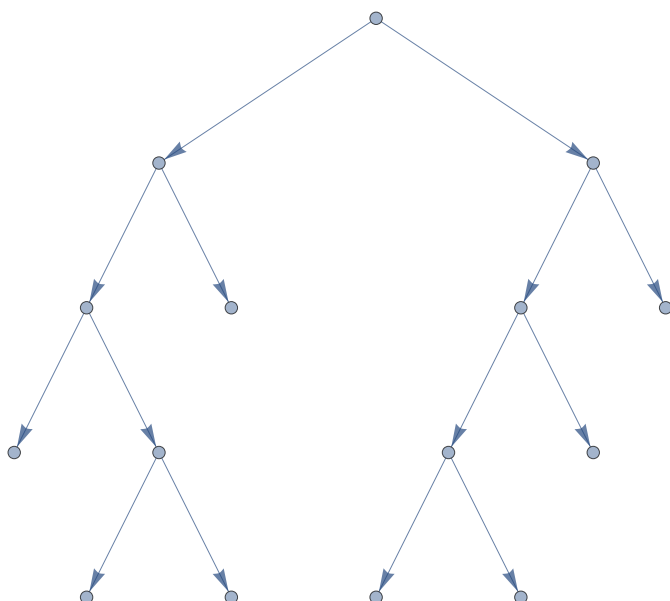
$$\text{Out[467]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

Out[469]=



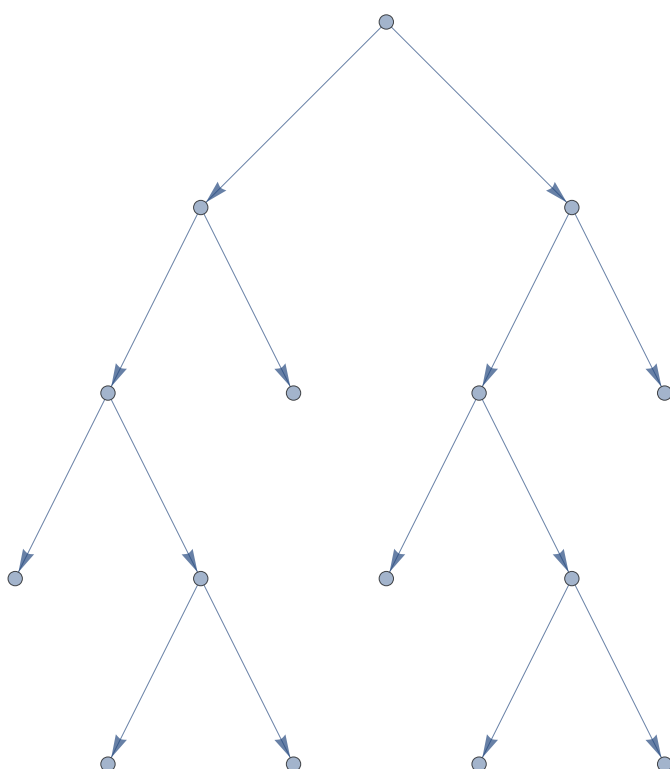
$$\text{Out[471]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

Out[473]=



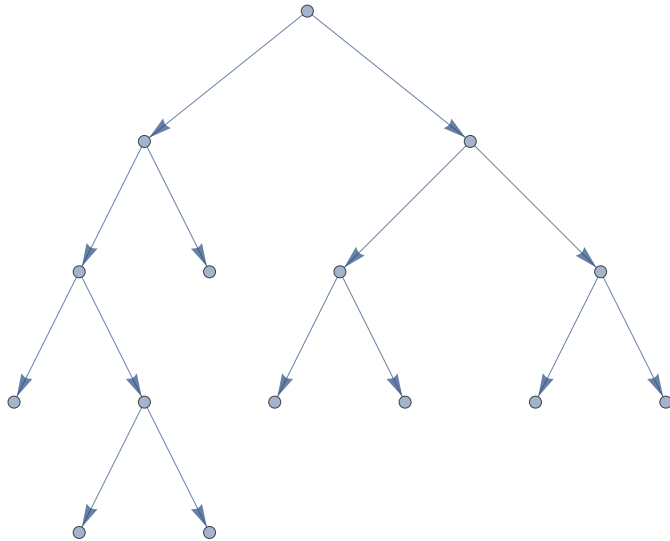
$$\text{Out[475]} = \left\{ x - x^3 + x^7 + G \left(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8 \right) + G^2 \left(2x^3 - 6x^7 + 5x^9 \right) + G^3 \left(x^4 + x^6 - 7x^8 + 5x^{10} \right) + G^4 \left(x^7 - 4x^9 + 3x^{11} \right) + G^5 \left(-x^{10} + x^{12} \right) \right\}$$

Out[477]=



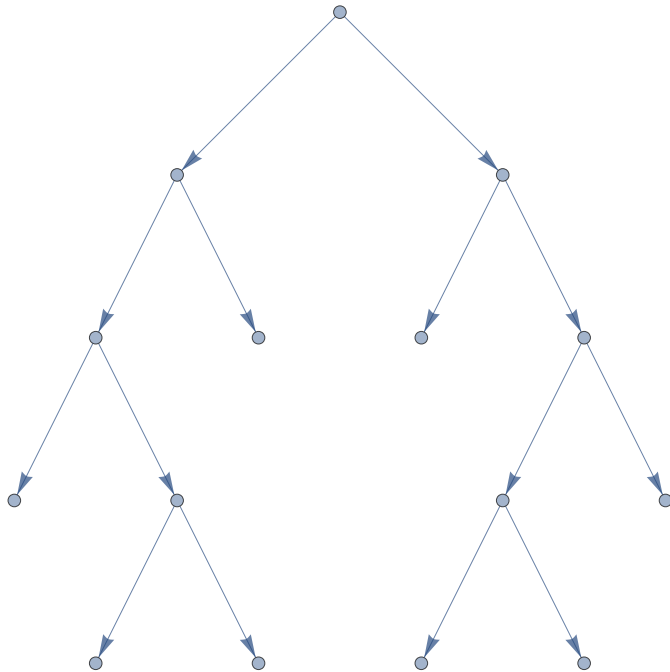
$$\text{Out[479]} = \left\{ x - x^3 + 2x^5 + x^9 + G^3 \left(-x^6 + x^{10} \right) + G \left(-1 + 2x^2 - 6x^4 + 2x^6 - 3x^8 + 2x^{10} \right) + G^2 \left(4x^3 - 3x^5 + 3x^7 - 3x^9 + x^{11} \right) + G^4 \left(-2x^9 + x^{11} \right) \right\}$$

Out[481]=



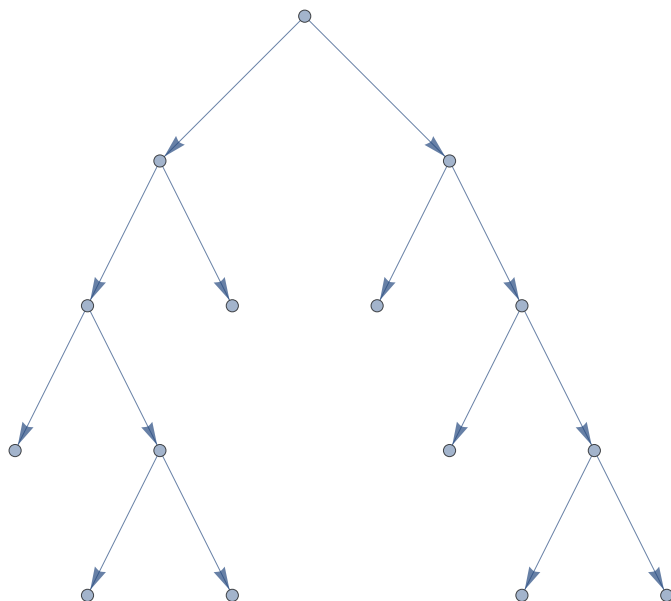
$$\text{Out[483]} = \left\{ x - x^3 + x^5 + x^7 - 2x^9 + x^{11} + G^3 (3x^6 - 8x^8 + 4x^{10}) + \right. \\ \left. G^2 (3x^3 - 11x^7 + 14x^9 - 4x^{11}) + G (-1 + 2x^2 - 4x^4 - 2x^6 + 9x^8 - 7x^{10} + x^{12}) \right\}$$

Out[485]=



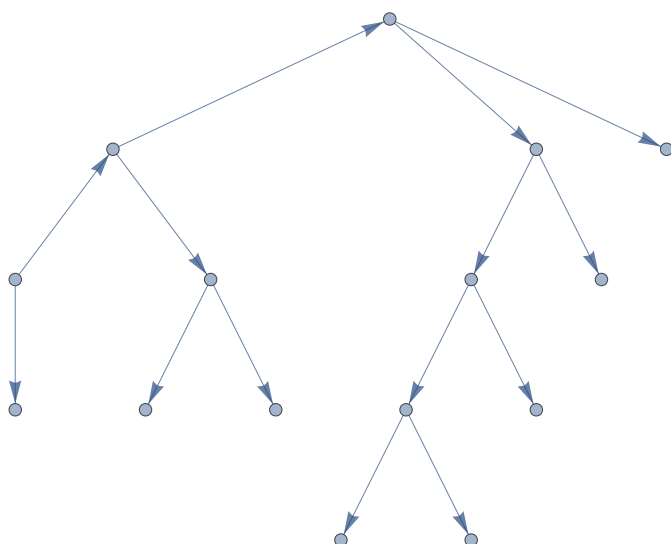
$$\text{Out[487]} = \left\{ -x + x^3 - x^5 - x^7 + x^9 + x^{13} + G (1 - 2x^2 + 4x^4 + 2x^6 - 6x^8 + 2x^{10} - 4x^{12} + 3x^{14}) + \right. \\ G^4 (3x^9 - 2x^{11} - 3x^{13} + 2x^{15}) + G^2 (-3x^3 + 9x^7 - 8x^9 + 7x^{11} - 8x^{13} + 3x^{15}) + \\ \left. G^5 (2x^{12} - 3x^{14} + x^{16}) + G^3 (-3x^6 + 7x^8 - 8x^{10} + 6x^{12} - 3x^{14} + x^{16}) \right\}$$

Out[489]=

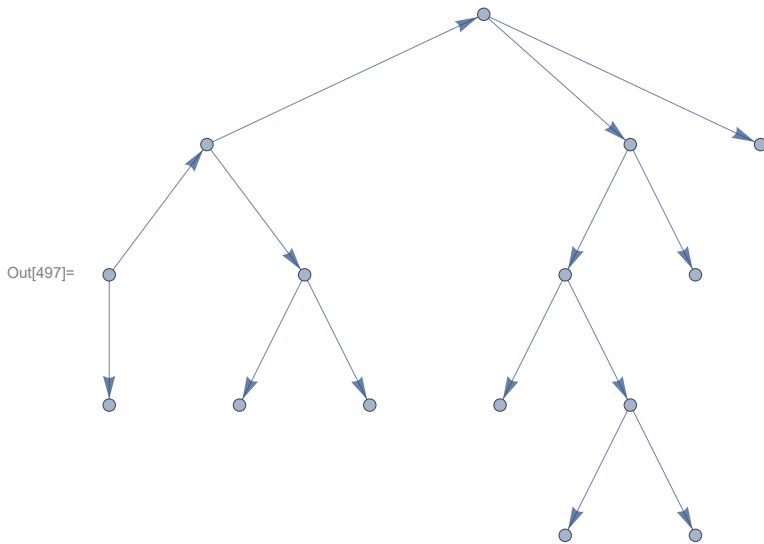


$$\text{Out[491]} = \left\{ x - x^3 + x^7 + G(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8) + G^2(2x^3 - 6x^7 + 5x^9) + G^3(x^4 + x^6 - 7x^8 + 5x^{10}) + G^4(x^7 - 4x^9 + 3x^{11}) + G^5(-x^{10} + x^{12}) \right\}$$

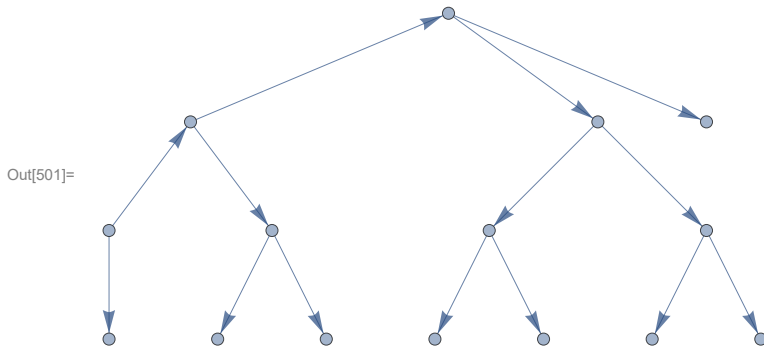
Out[493]=



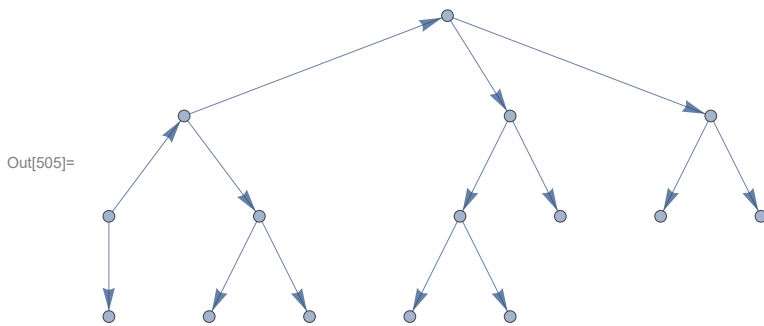
$$\text{Out[495]} = \left\{ -x + x^3 + G^4 x^7 + G(1 - 2x^2 + 2x^4) + G^2(-2x^3 + 3x^5) + G^3(-2x^4 + 2x^6) \right\}$$



$$\text{Out[499]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$

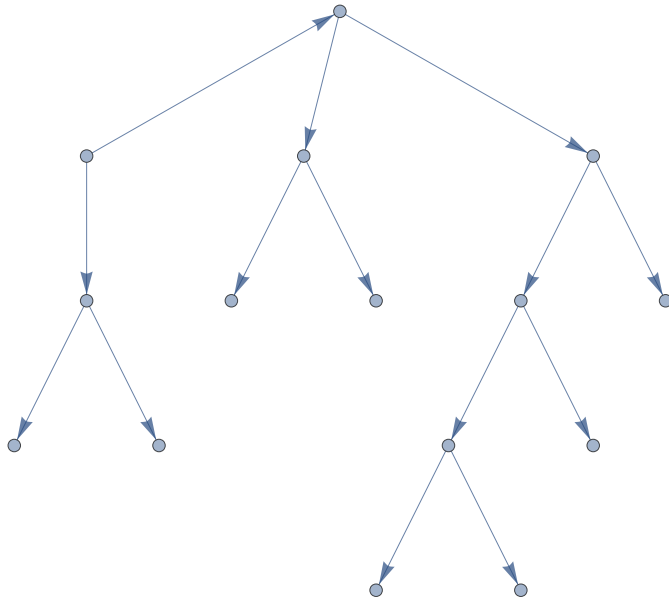


$$\text{Out[503]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



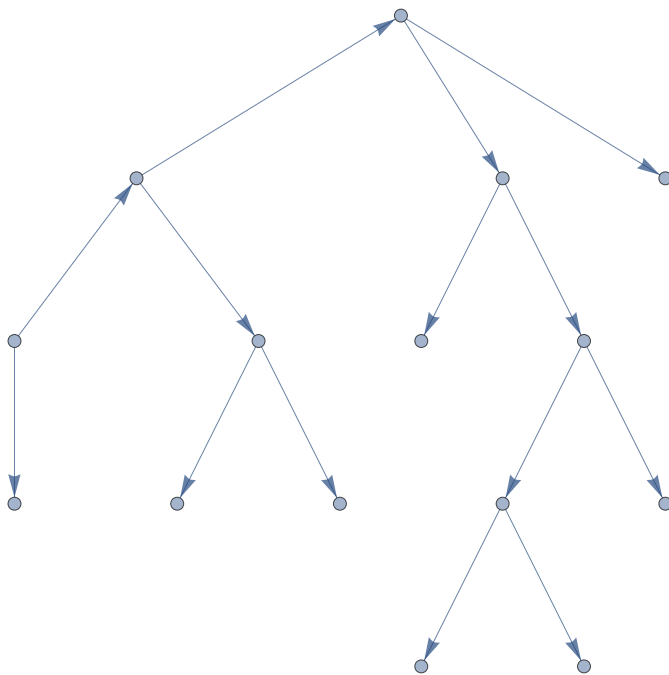
$$\text{Out[507]} = \left\{ x^4 + G (x - 3x^3 + 2x^5) + G^4 (x^4 - x^6) + G^2 (-1 + 3x^2 - 4x^4 + 2x^6) + G^3 (2x^3 - 3x^5 + x^7) \right\}$$

Out[509]=

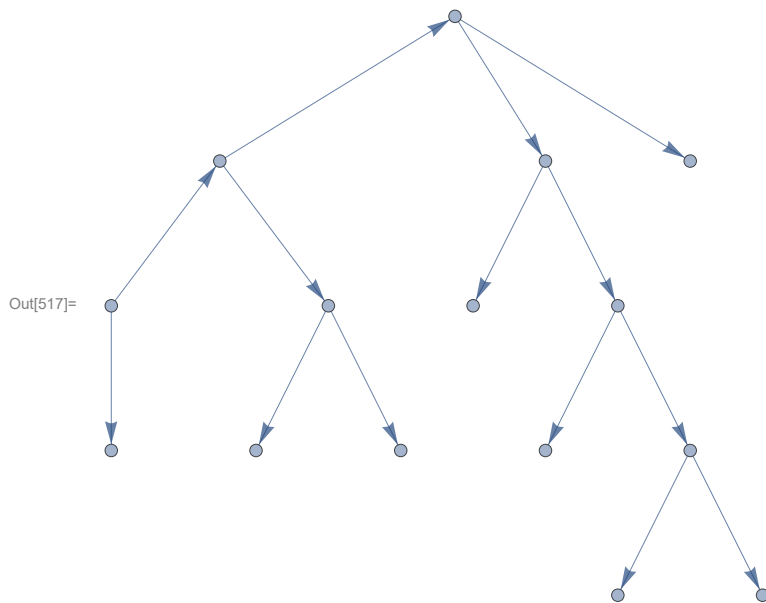


$$\text{Out[511]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$

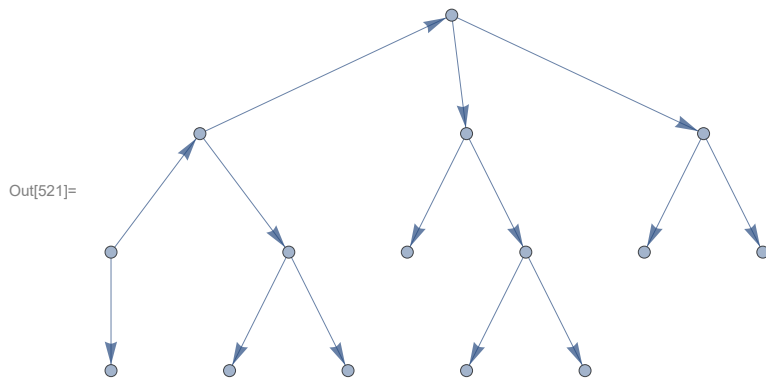
Out[513]=



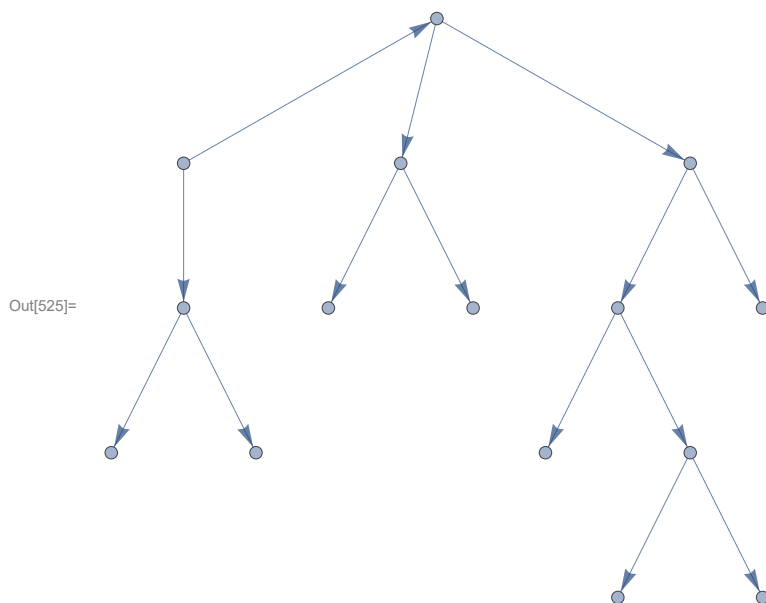
$$\text{Out[515]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



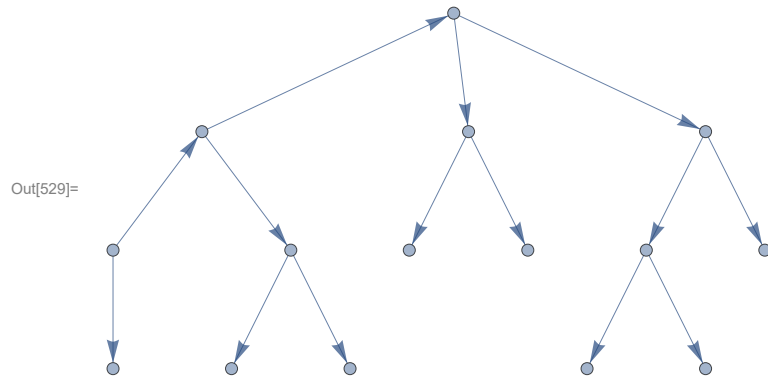
$$\text{Out[519]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



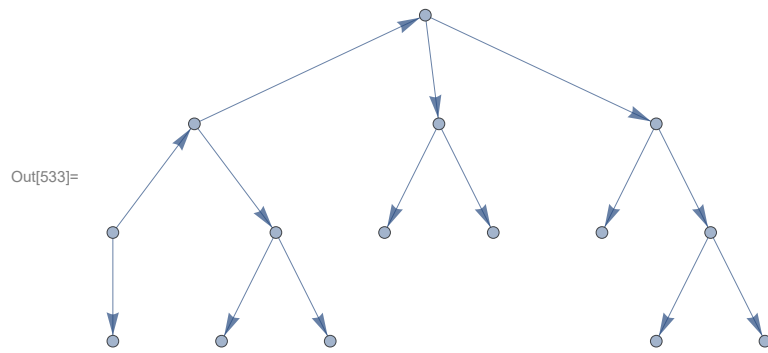
$$\text{Out[523]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



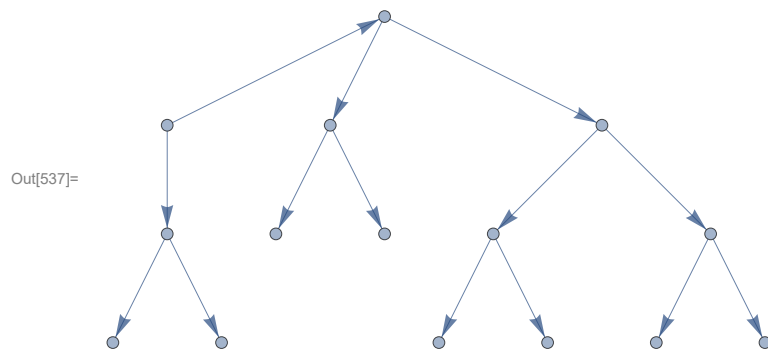
$$\text{Out}[527] = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$



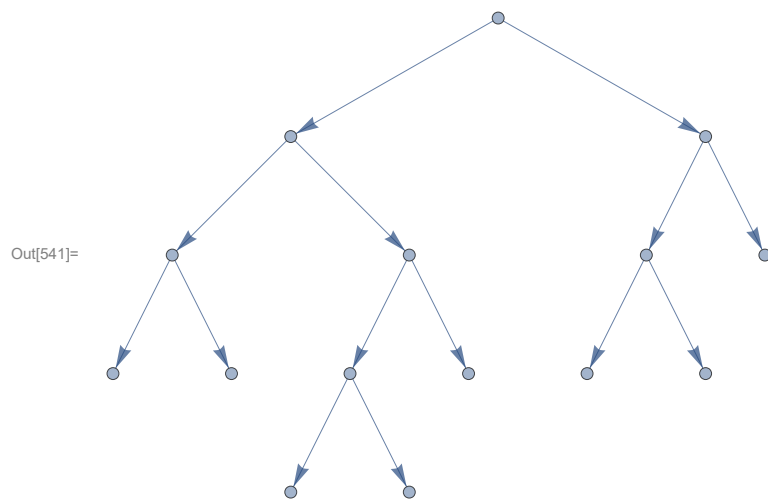
$$\text{Out}[531] = \left\{ x^4 + G (x - 3x^3 + 3x^5) + G^2 (-1 + 3x^2 - 6x^4 + 3x^6) + G^3 (3x^3 - 3x^5 + x^7) \right\}$$



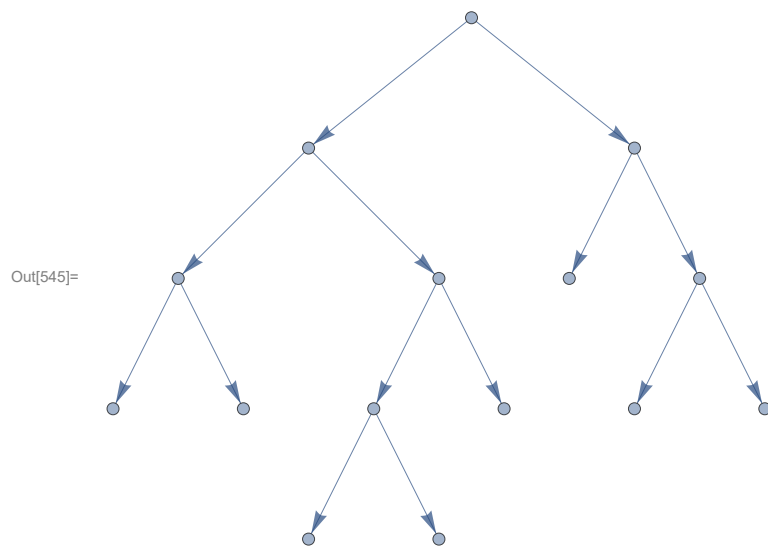
$$\text{Out}[535] = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$



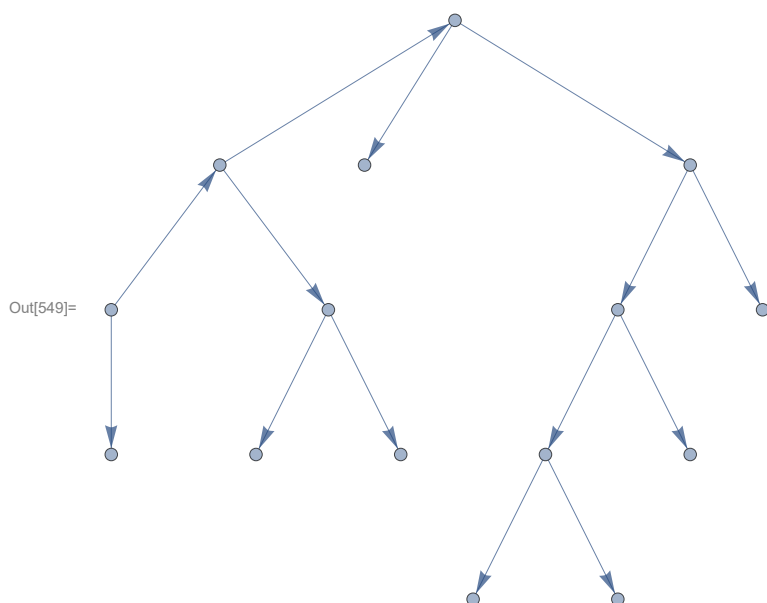
$$\text{Out}[539] = \left\{ -x + x^3 - 2x^5 + x^7 + G^2 (-4x^3 + 4x^5) + G (1 - 2x^2 + 6x^4 - 4x^6) \right\}$$



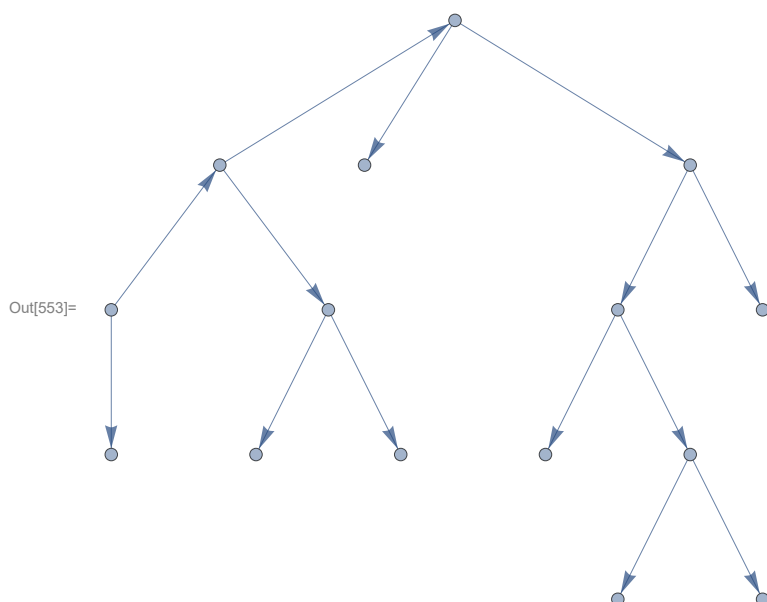
$$\text{Out}[543]= \left\{ \mathbf{x} - \mathbf{x}^3 + \mathbf{x}^5 + \mathbf{G}^3 \left(\mathbf{x}^4 - \mathbf{x}^6 \right) + \mathbf{G} \left(-1 + 2 \mathbf{x}^2 - 4 \mathbf{x}^4 + 2 \mathbf{x}^6 \right) + \mathbf{G}^2 \left(3 \mathbf{x}^3 - 4 \mathbf{x}^5 + \mathbf{x}^7 \right) \right\}$$



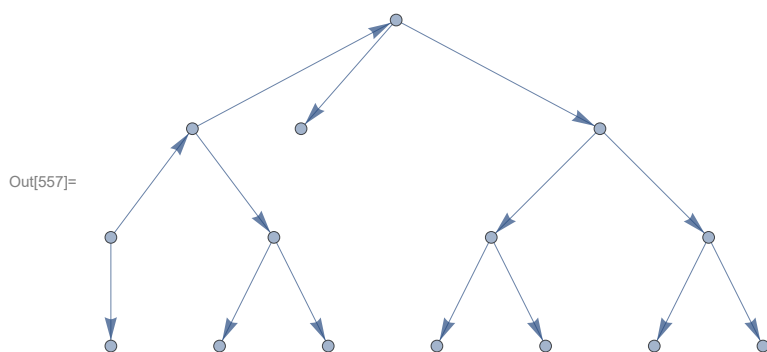
$$\text{Out}[547]= \left\{ x - x^3 + 2 x^5 - G^3 x^6 + G \left(-1 + 2 x^2 - 6 x^4 + 2 x^6 \right) + G^2 \left(4 x^3 - 3 x^5 + x^7 \right) \right\}$$



$$\text{Out[551]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$

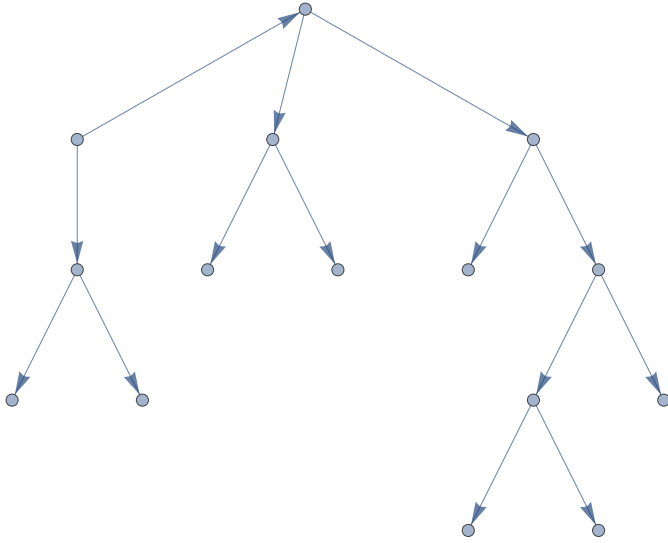


$$\text{Out[555]} = \left\{ -x^4 + x^6 + G^3 \left(-3 x^3 + 2 x^5 \right) + G^2 \left(1 - 3 x^2 + 7 x^4 - 3 x^6 \right) + G \left(-x + 3 x^3 - 5 x^5 + x^7 \right) \right\}$$



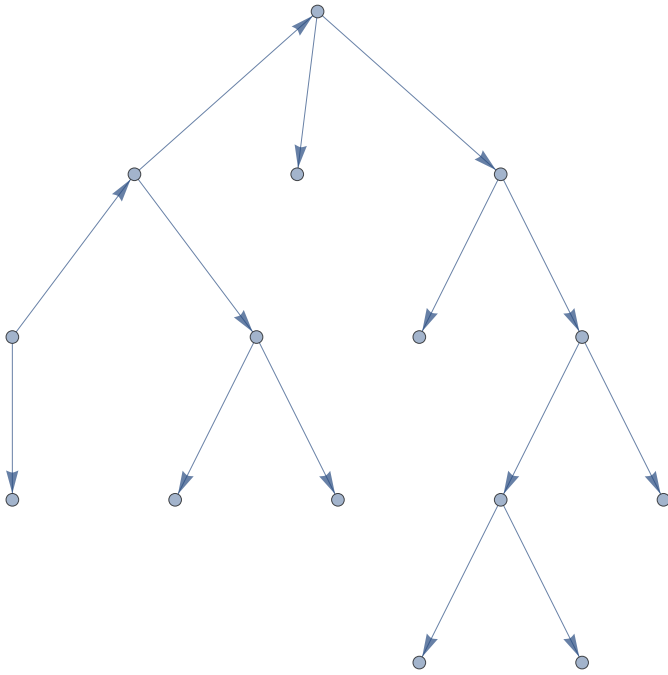
$$\text{Out[559]} = \left\{ x^5 + G^4 \left(-2 x^3 + x^5 \right) + G^3 \left(1 - 4 x^2 + 6 x^4 - 2 x^6 \right) + G \left(-4 x^4 + 2 x^6 \right) + G^2 \left(-x + 6 x^3 - 6 x^5 + x^7 \right) \right\}$$

Out[561]=

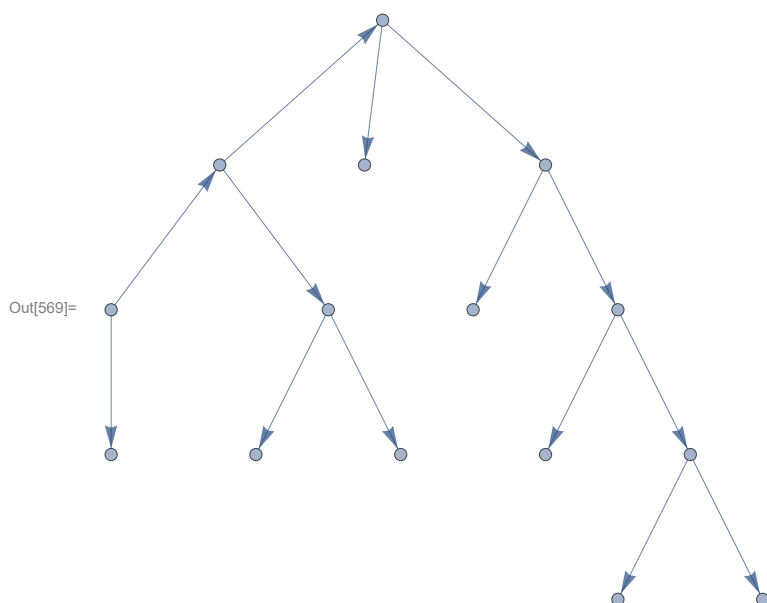


$$\text{Out[563]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$

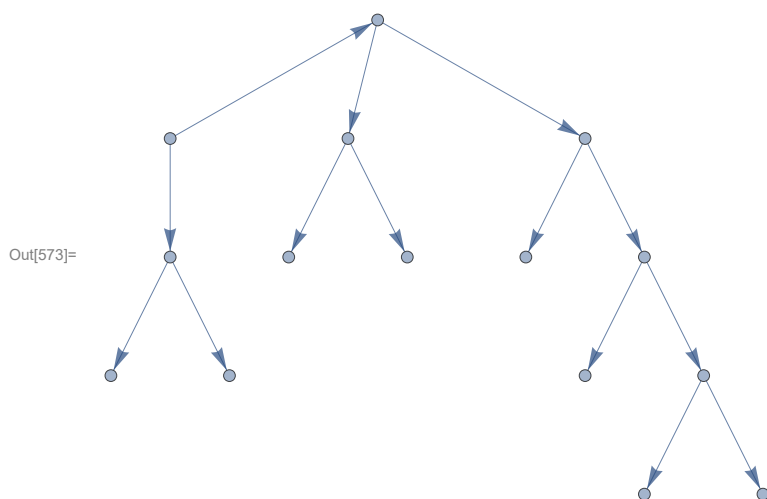
Out[565]=



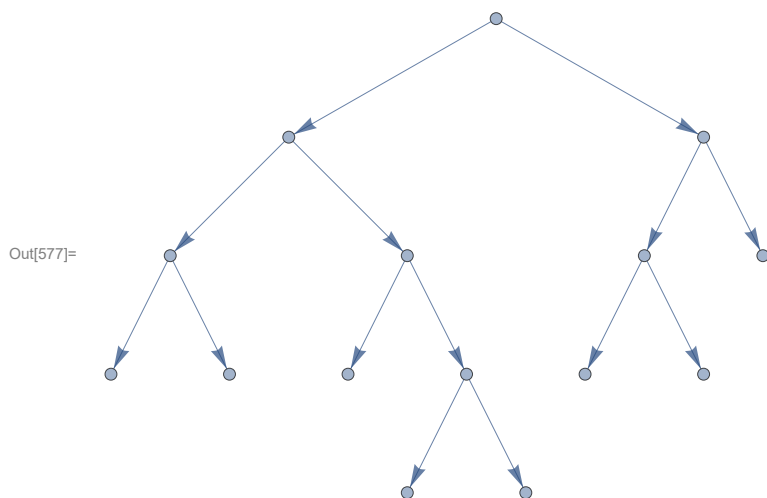
$$\text{Out[567]} = \left\{ x^5 + G^4 \left(-2x^3 + x^5 \right) + G^3 \left(1 - 4x^2 + 6x^4 - 2x^6 \right) + G \left(-4x^4 + 2x^6 \right) + G^2 \left(-x + 6x^3 - 6x^5 + x^7 \right) \right\}$$



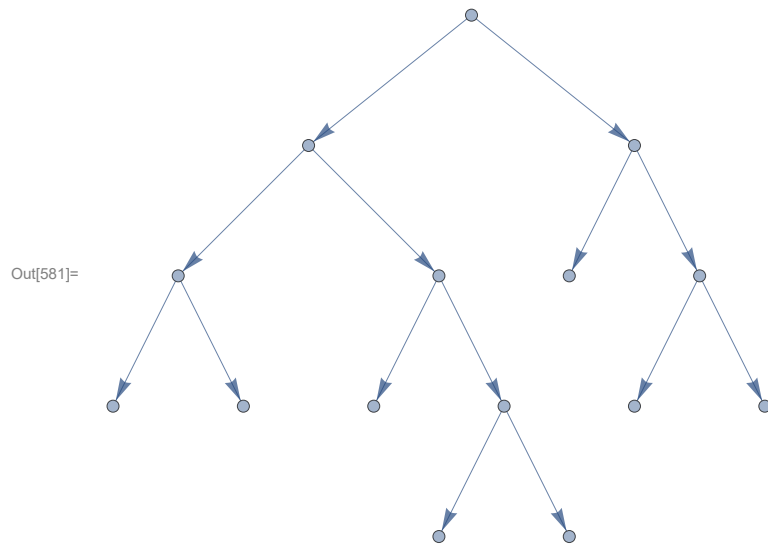
$$\text{Out[571]} = \left\{ G^5 x^3 + x^6 + G^4 (-1 + 5 x^2 - 4 x^4) + G^3 (x - 10 x^3 + 6 x^5) + G^2 (10 x^4 - 4 x^6) + G (-5 x^5 + x^7) \right\}$$



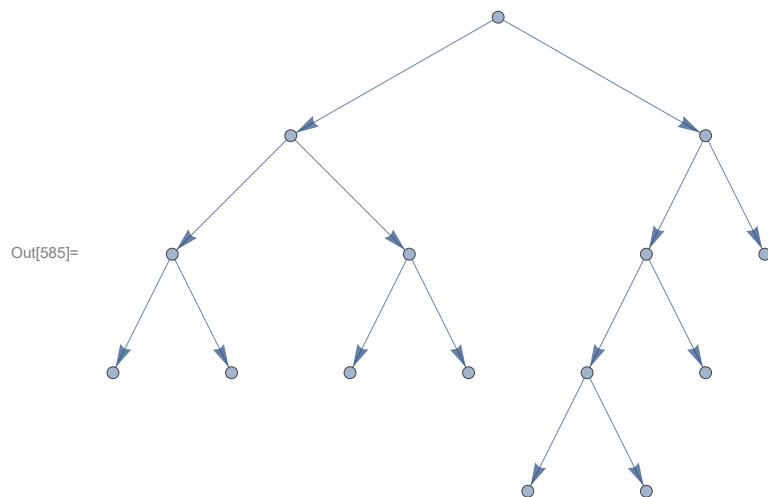
$$\text{Out[575]} = \left\{ x^2 - x^4 + x^6 + G^3 (-4 x^3 + 5 x^5 - 2 x^7) + G (-2 x + 3 x^3 - 6 x^5 + 2 x^7) + G^2 (1 - 2 x^2 + 9 x^4 - 7 x^6 + x^8) \right\}$$



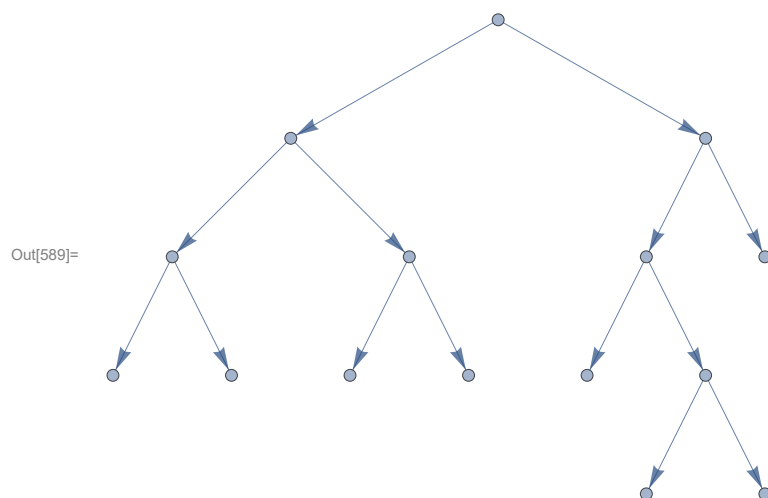
$$\text{Out}[579]= \left\{ x - x^3 + 2 x^5 - G^3 x^6 + G \left(-1 + 2 x^2 - 6 x^4 + 2 x^6 \right) + G^2 \left(4 x^3 - 3 x^5 + x^7 \right) \right\}$$



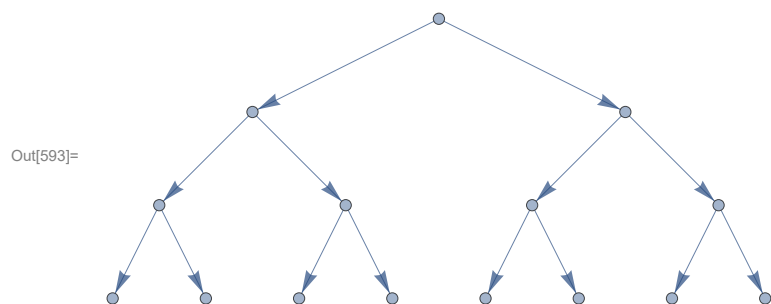
$$\text{Out}[583]= \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2 x^2 - 4 x^4 + 2 x^6 \right) + G^2 \left(3 x^3 - 4 x^5 + x^7 \right) \right\}$$



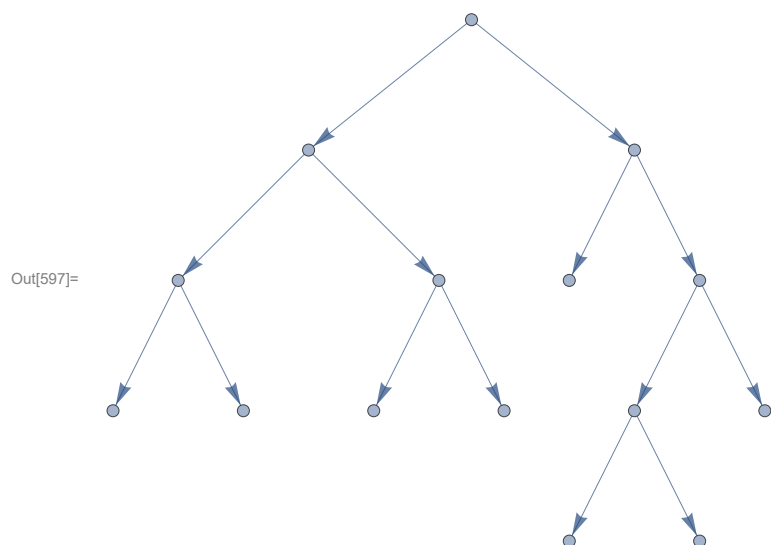
$$\text{Out}[587]= \left\{ x - x^3 + x^5 + G^3 \left(x^4 - 2 x^6 \right) + G \left(-1 + 2 x^2 - 4 x^4 + x^6 \right) + G^2 \left(3 x^3 - 3 x^5 + x^7 \right) \right\}$$



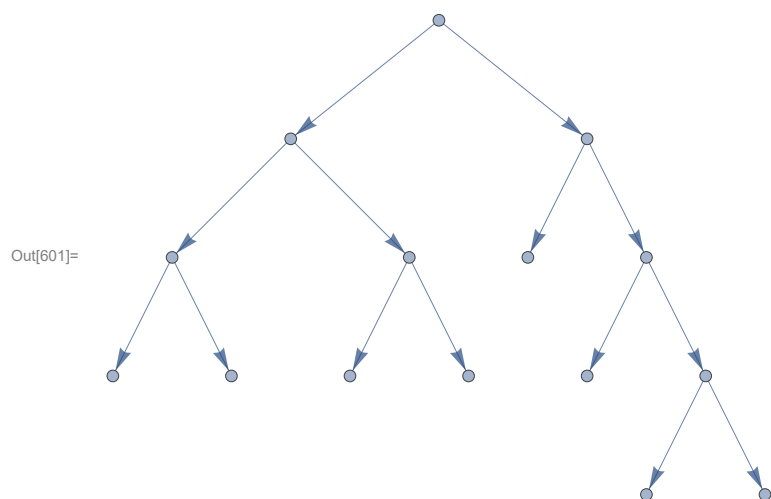
$$\text{Out}[591]= \left\{ x - x^3 + x^5 + G^3 (x^4 - 2 x^6) + G (-1 + 2 x^2 - 4 x^4 + x^6) + G^2 (3 x^3 - 3 x^5 + x^7) \right\}$$



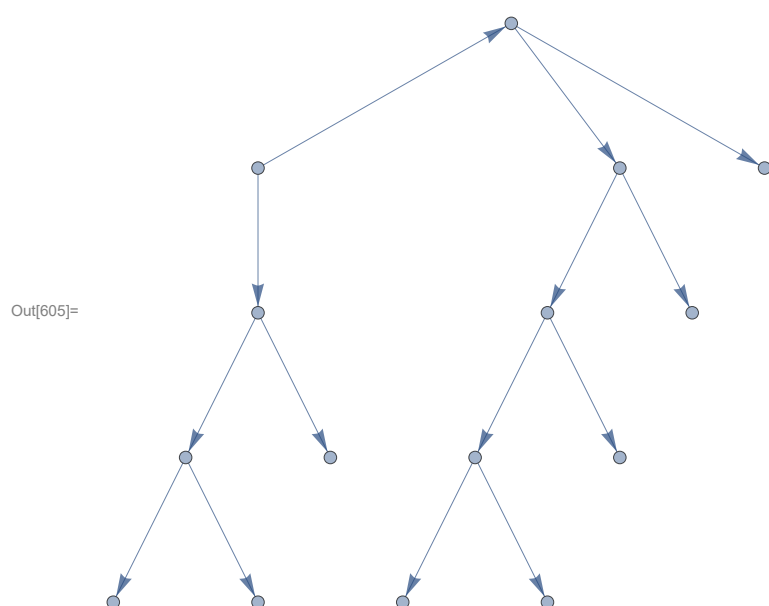
$$\text{Out}[595]= \left\{ -x + x^3 - 2 x^5 + x^7 + G^2 (-4 x^3 + 4 x^5) + G (1 - 2 x^2 + 6 x^4 - 4 x^6) \right\}$$



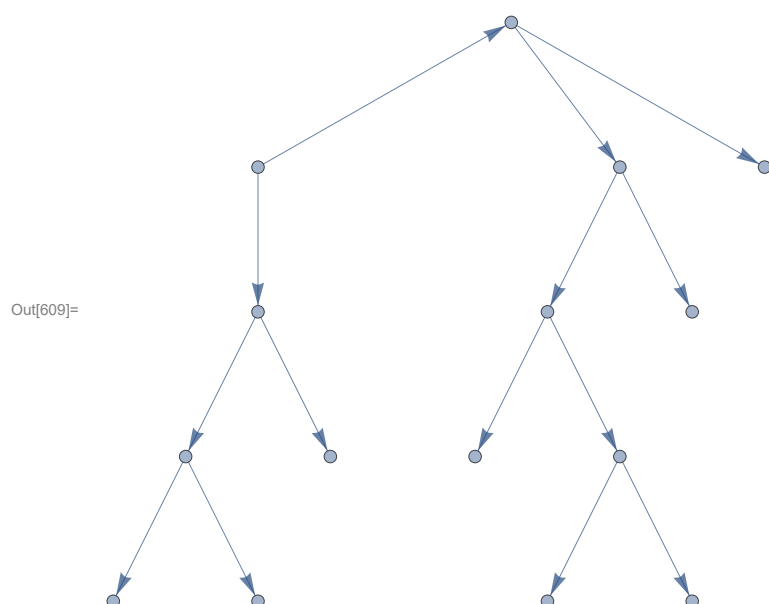
$$\text{Out}[599]= \left\{ x - x^3 + x^5 + x^7 - 2 x^9 + x^{11} + G^3 (3 x^6 - 8 x^8 + 4 x^{10}) + G^2 (3 x^3 - 11 x^7 + 14 x^9 - 4 x^{11}) + G (-1 + 2 x^2 - 4 x^4 - 2 x^6 + 9 x^8 - 7 x^{10} + x^{12}) \right\}$$



$$\text{Out}[603]= \left\{ x - x^3 + x^5 + G^3 (x^4 - 2 x^6) + G (-1 + 2 x^2 - 4 x^4 + x^6) + G^2 (3 x^3 - 3 x^5 + x^7) \right\}$$

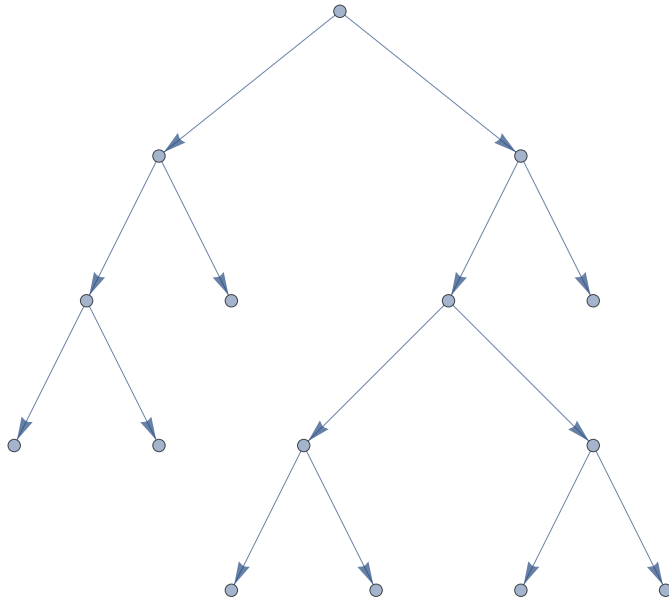


$$\text{Out}[607]= \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2 x^2 + 2 x^4 \right) + G^2 \left(-2 x^3 + 3 x^5 \right) + G^3 \left(-2 x^4 + 2 x^6 \right) \right\}$$



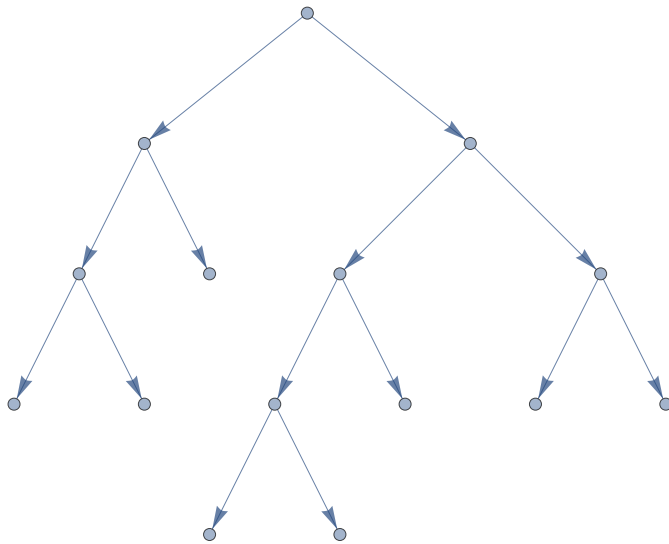
$$\text{Out}[611]= \left\{ -x^2 + x^4 - x^6 + G^5 x^9 + G \left(2x - 4x^3 + 6x^5 - x^7 \right) + \right. \\ \left. G^3 \left(3x^3 - 6x^5 + 6x^7 \right) + G^2 \left(-1 + 3x^2 - 9x^4 + 6x^6 - x^8 \right) + G^4 \left(x^4 - 4x^6 + 2x^8 \right) \right\}$$

Out[613]=



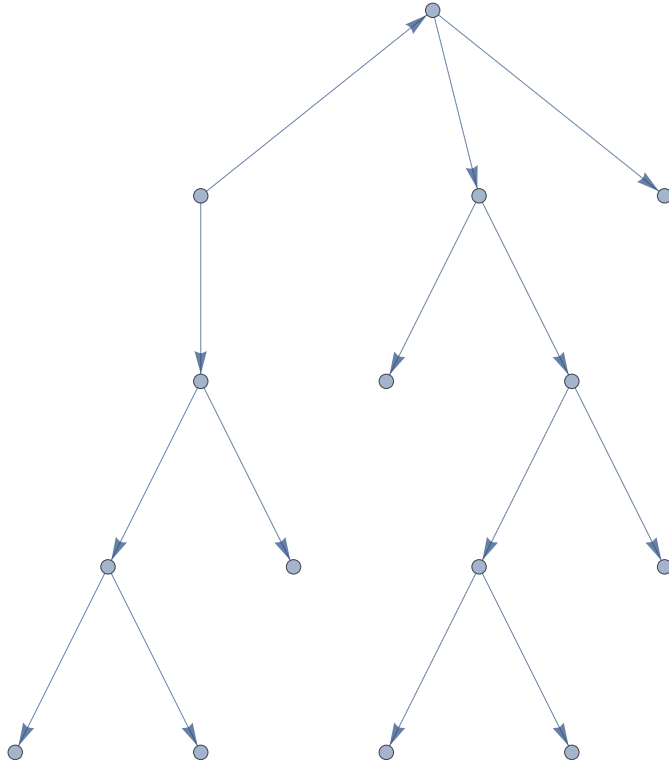
$$\text{Out[615]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$

Out[617]=



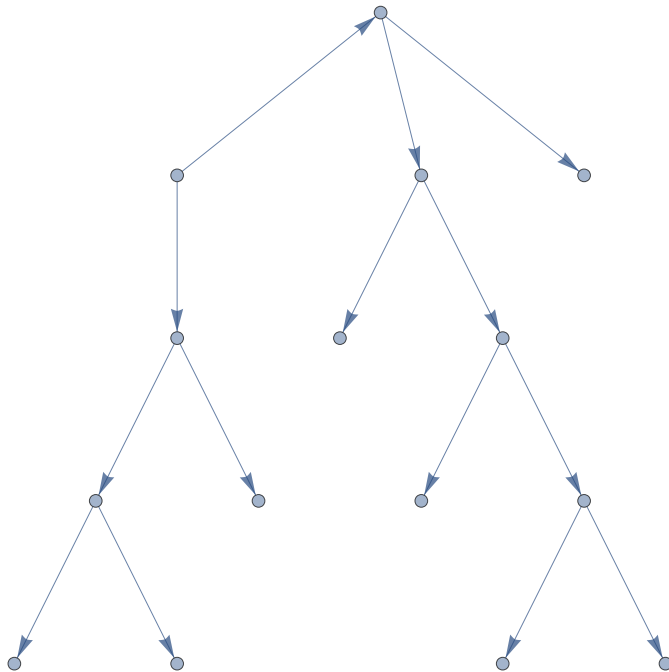
$$\text{Out[619]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

Out[621]=



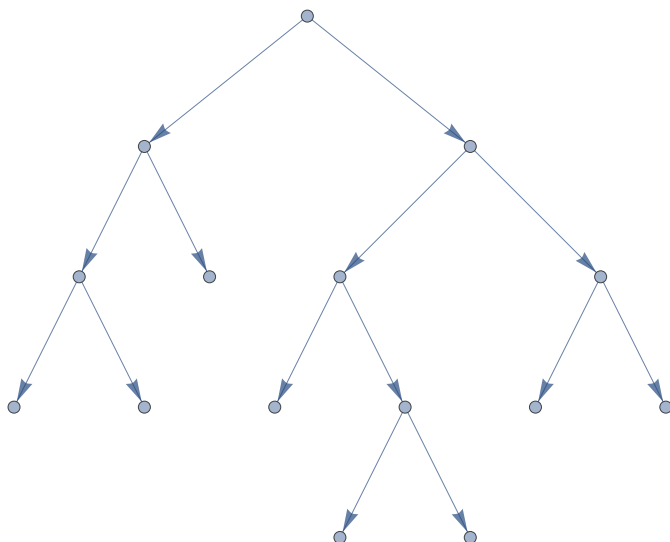
$$\text{Out[623]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2 \left(-3 x^3 + 3 x^5 \right) + G \left(1 - 2 x^2 + 4 x^4 - x^6 \right) + G^3 \left(-x^4 + x^6 \right) \right\}$$

Out[625]=



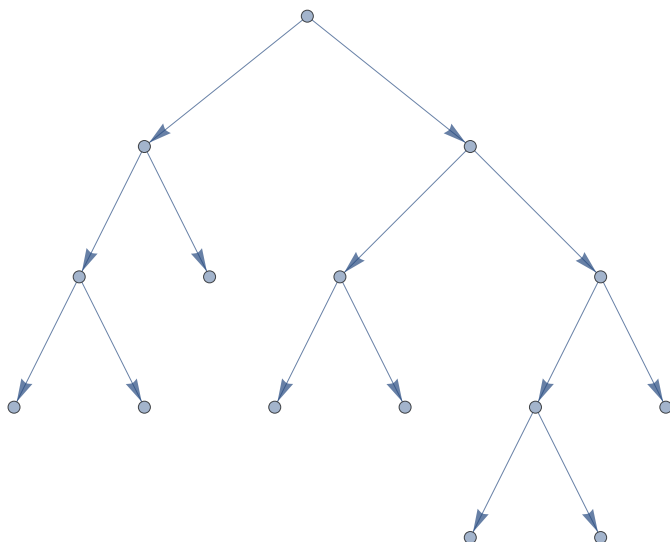
$$\text{Out[627]} = \left\{ x - x^3 + 2 x^5 + x^9 + G^3 \left(-x^6 + x^{10} \right) + G \left(-1 + 2 x^2 - 6 x^4 + 2 x^6 - 3 x^8 + 2 x^{10} \right) + G^2 \left(4 x^3 - 3 x^5 + 3 x^7 - 3 x^9 + x^{11} \right) + G^4 \left(-2 x^9 + x^{11} \right) \right\}$$

Out[629]=



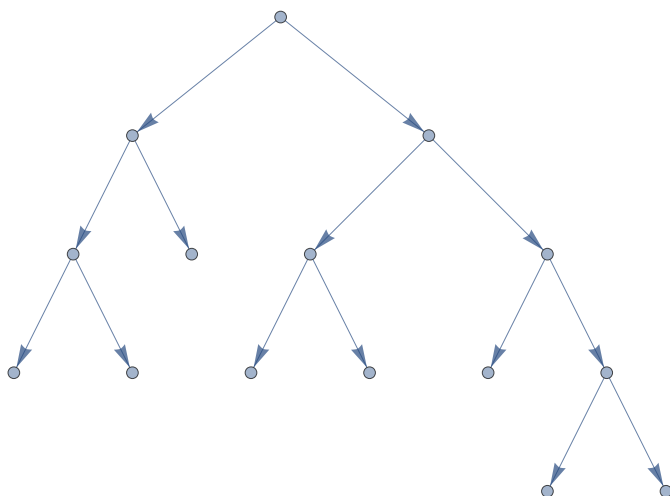
$$\text{Out[631]} = \left\{ x - x^3 + 2x^5 - G^3 x^6 + G(-1 + 2x^2 - 6x^4 + 2x^6) + G^2(4x^3 - 3x^5 + x^7) \right\}$$

Out[633]=

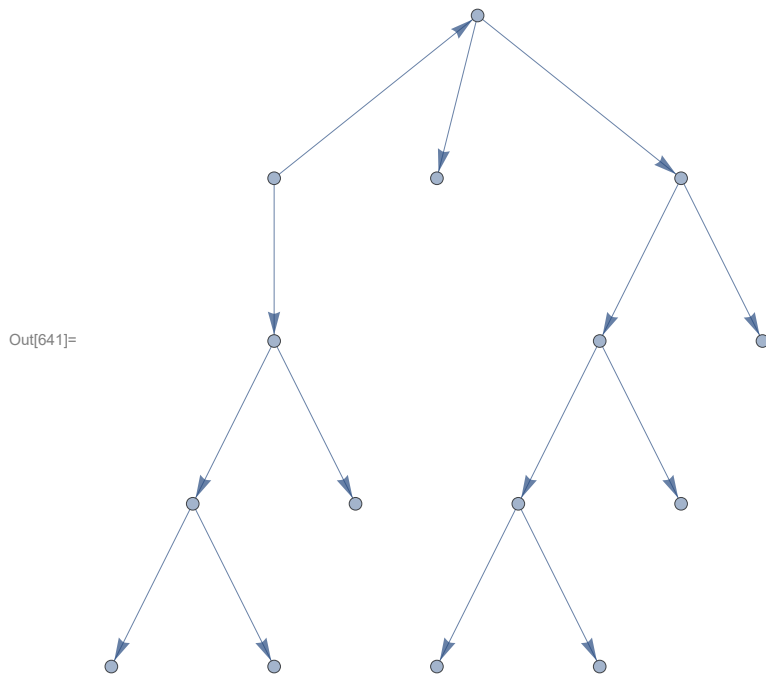


$$\text{Out[635]} = \left\{ x - x^3 + x^5 + G^3(x^4 - x^6) + G(-1 + 2x^2 - 4x^4 + 2x^6) + G^2(3x^3 - 4x^5 + x^7) \right\}$$

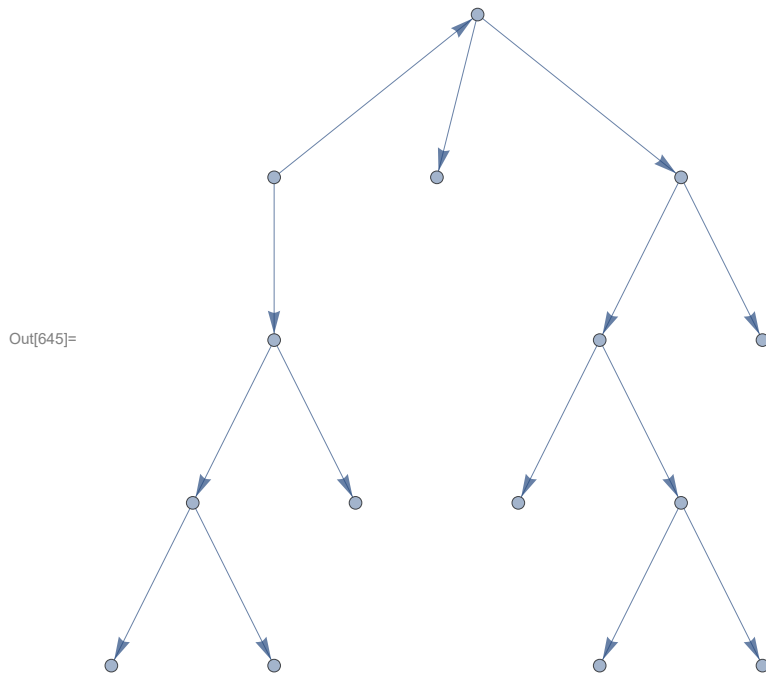
Out[637]=



$$\text{Out}[639]= \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

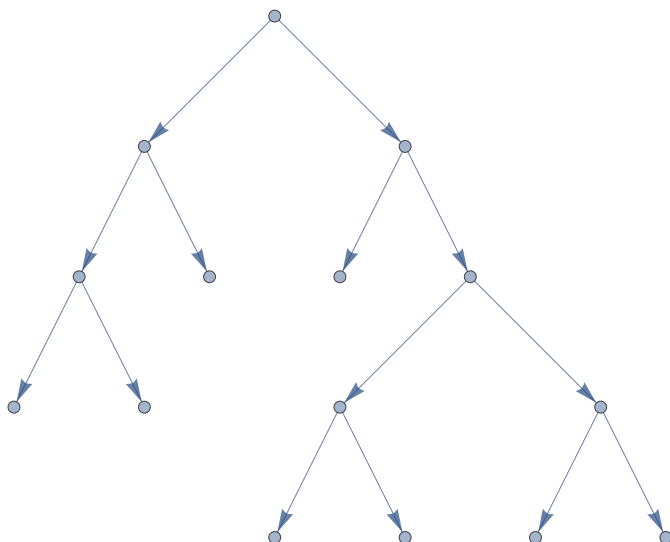


$$\text{Out}[643]= \left\{ x - x^3 + x^7 + G (-1 + 2x^2 - 2x^4 - 3x^6 + 4x^8) + G^2 (2x^3 + x^5 - 9x^7 + 7x^9) + G^3 (4x^6 - 11x^8 + 7x^{10}) + G^4 (3x^7 - 7x^9 + 4x^{11}) + G^5 (x^8 - 2x^{10} + x^{12}) \right\}$$



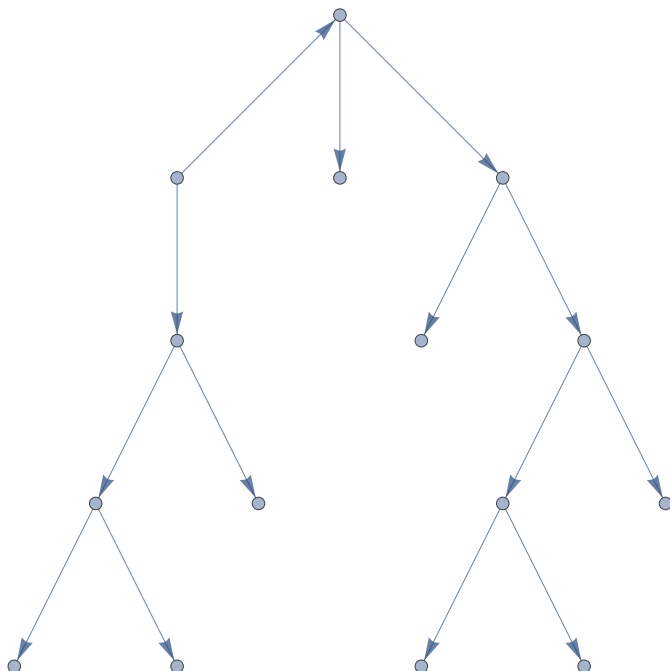
$$\text{Out}[647]= \left\{ x - x^3 + x^5 + x^7 - x^9 + G^5 x^{12} + G (-1 + 2x^2 - 4x^4 - 2x^6 + 6x^8 - x^{10}) + G^3 (3x^6 - 6x^8 + 6x^{10}) + G^2 (3x^3 - 9x^7 + 6x^9 - x^{11}) + G^4 (-4x^9 + 2x^{11}) \right\}$$

Out[649]=



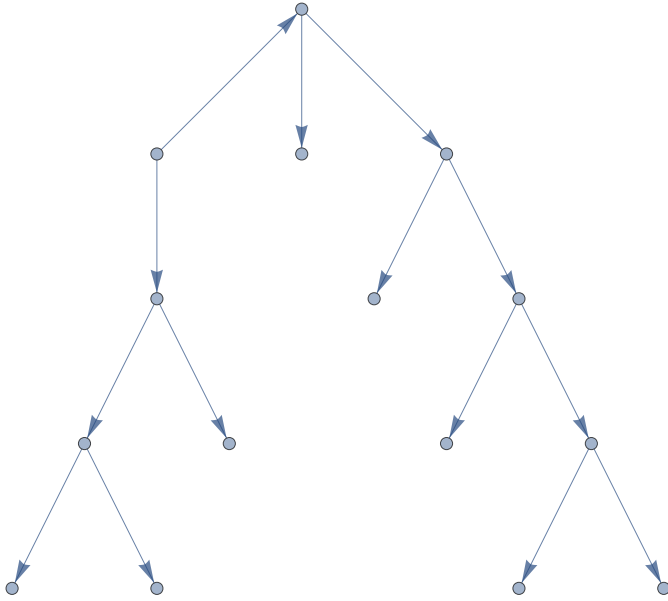
$$\text{Out[651]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 5x^8 - 2x^{10} \right) + \right. \\ \left. G \left(1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10} \right) + G^2 \left(-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11} \right) \right\}$$

Out[653]=



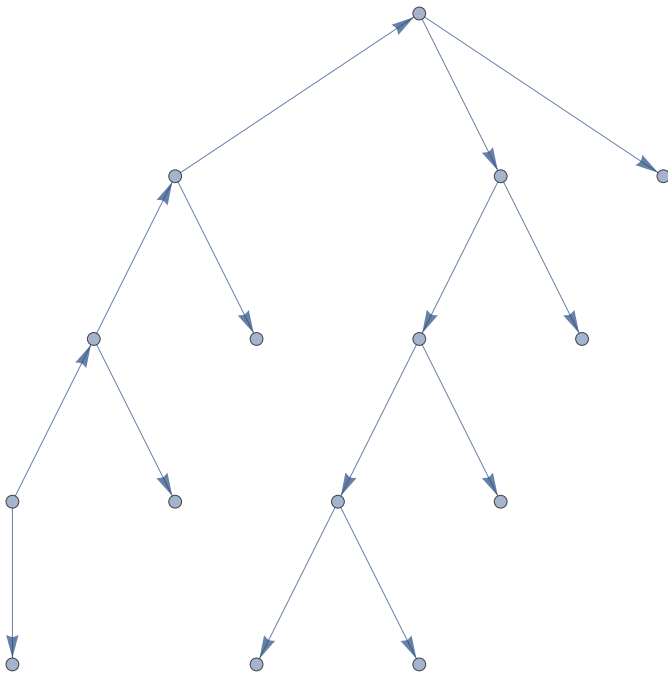
$$\text{Out[655]} = \left\{ -x + x^3 - x^5 + x^7 - x^9 + x^{11} + x^{15} + G \left(1 - 2x^2 + 4x^4 - 4x^6 + 5x^8 - 8x^{10} + 3x^{12} - 5x^{14} + 5x^{16} \right) + \right. \\ G^2 \left(-3x^3 + 5x^5 - 6x^7 + 16x^9 - 15x^{11} + 12x^{13} - 20x^{15} + 10x^{17} \right) + \\ G^3 \left(-x^4 + 2x^6 - 9x^8 + 18x^{10} - 17x^{12} + 28x^{14} - 30x^{16} + 10x^{18} \right) + \\ \left. G^4 \left(x^7 - 5x^9 + 8x^{11} - 16x^{13} + 27x^{15} - 20x^{17} + 5x^{19} \right) + G^5 \left(2x^{12} - 7x^{14} + 9x^{16} - 5x^{18} + x^{20} \right) \right\}$$

Out[657]=



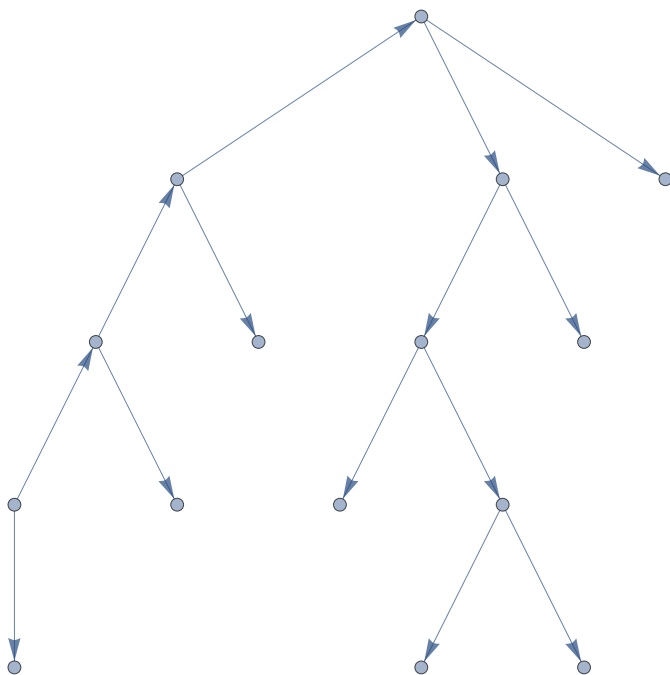
$$\text{Out[659]} = \left\{ -x + x^3 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 2x^5 \right) + G^3 \left(-x^4 + 2x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$

Out[661]=



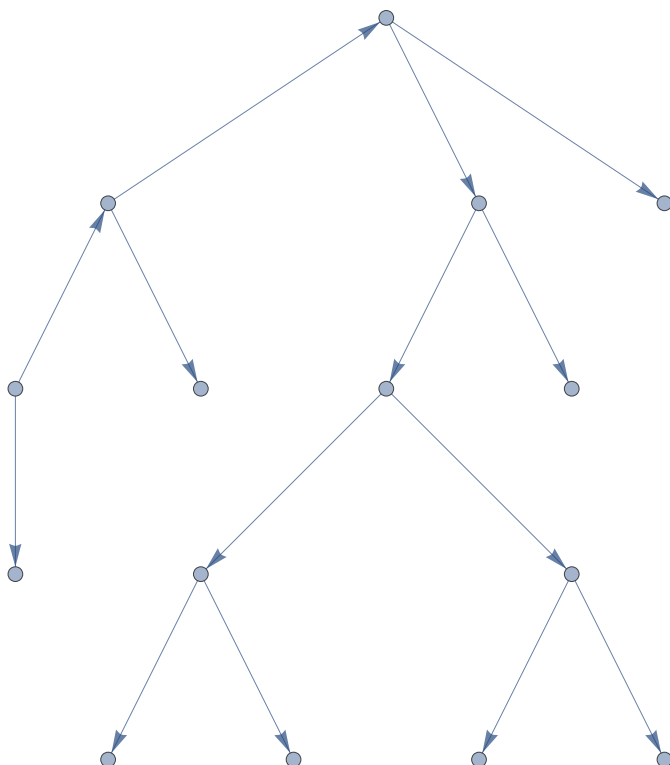
$$\text{Out[663]} = \left\{ -x^3 + x^5 + G \left(3x^2 - 4x^4 + 4x^6 \right) + G^2 \left(-3x + 5x^3 - 12x^5 + 6x^7 \right) + G^3 \left(1 - 2x^2 + 12x^4 - 12x^6 + 4x^8 \right) + G^4 \left(-4x^3 + 6x^5 - 4x^7 + x^9 \right) \right\}$$

Out[665]=

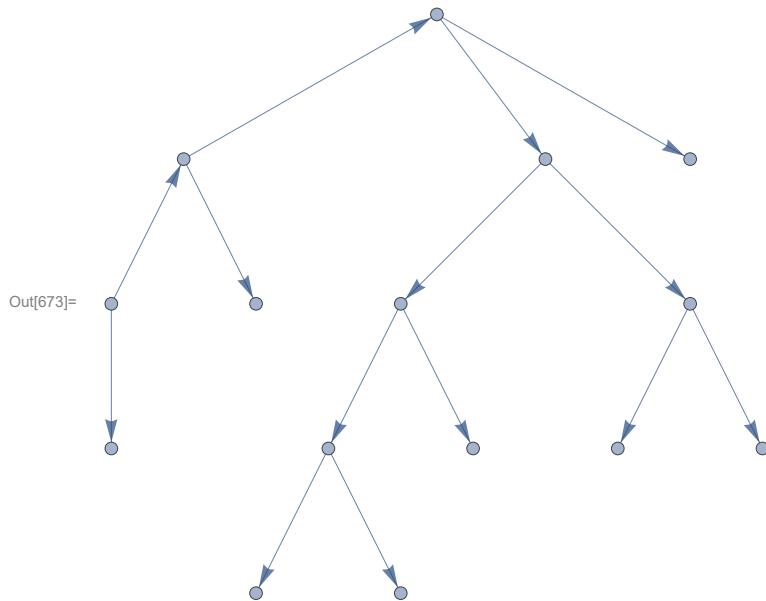


$$\text{Out[667]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$

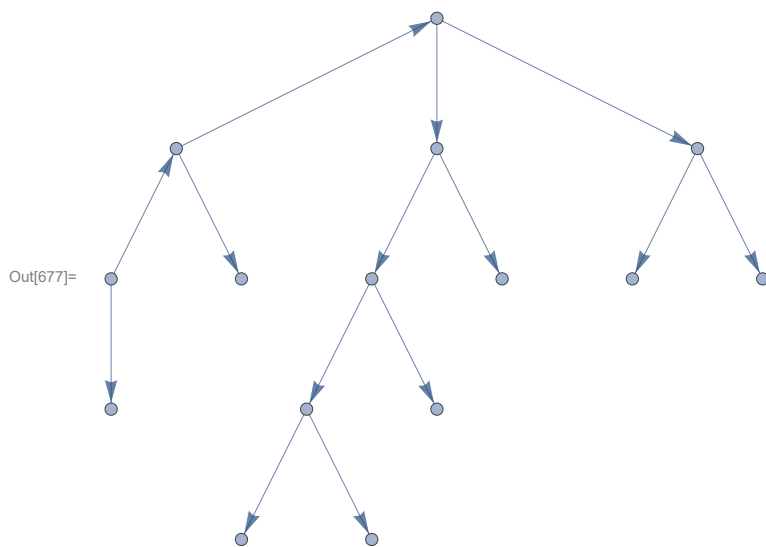
Out[669]=



$$\text{Out[671]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$

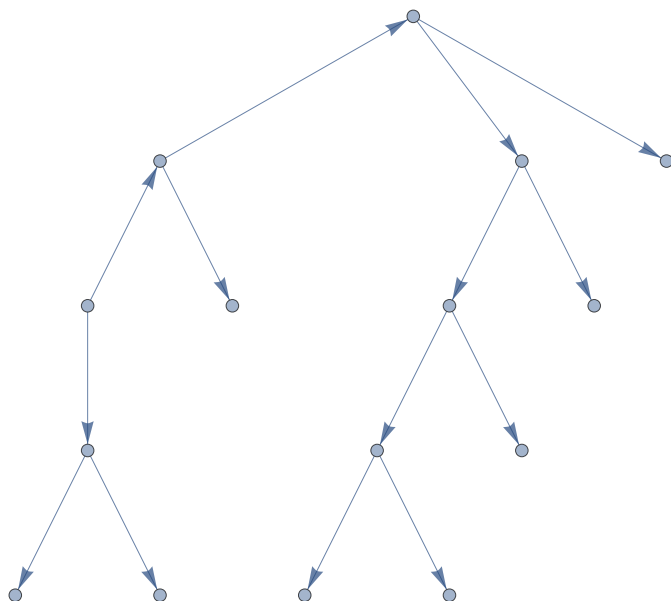


$$\text{Out[675]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$



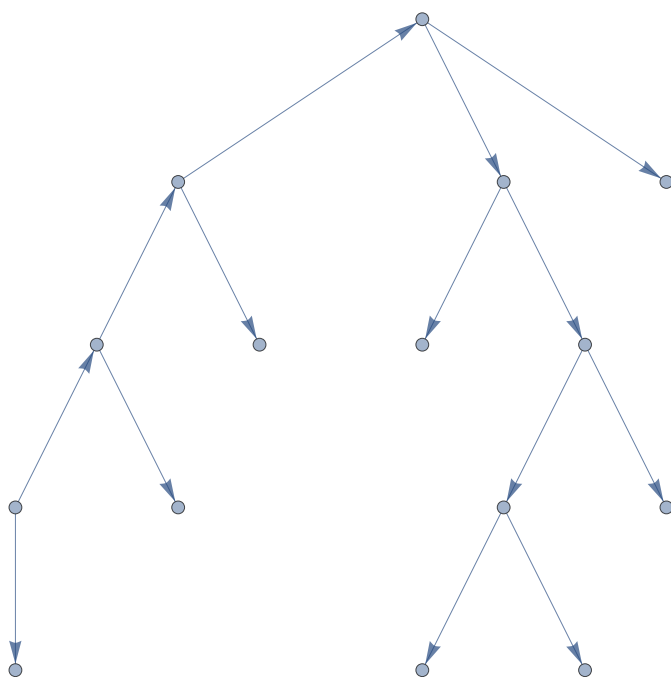
$$\text{Out[679]} = \left\{ x^4 + G \left(x - 3x^3 + 3x^5 \right) + G^2 \left(-1 + 3x^2 - 6x^4 + 3x^6 \right) + G^3 \left(3x^3 - 3x^5 + x^7 \right) \right\}$$

Out[681]=

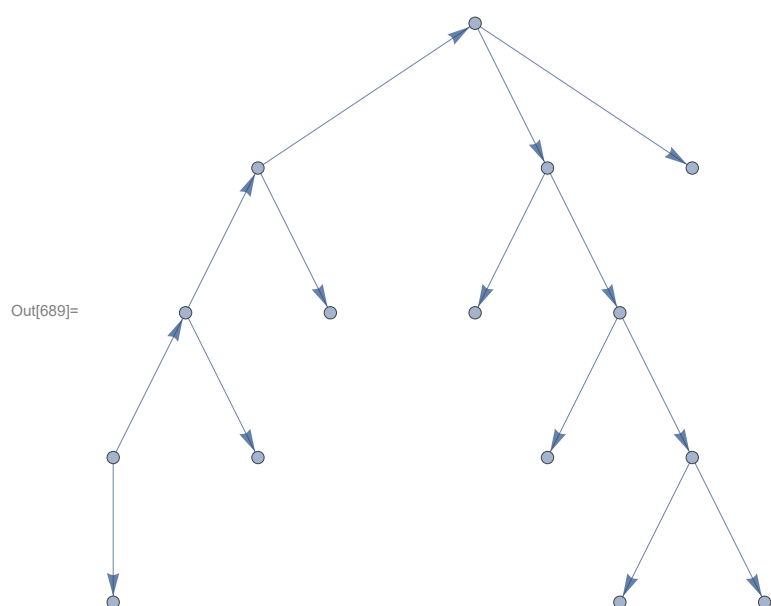


$$\text{Out[683]} = \left\{ -x^2 + x^4 - 2x^6 + G^5 x^9 + G(2x - 4x^3 + 9x^5 - 3x^7) + \right. \\ \left. G^3(4x^3 - 6x^5 + 5x^7) + G^2(-1 + 3x^2 - 12x^4 + 9x^6 - 2x^8) + G^4(-2x^6 + x^8) \right\}$$

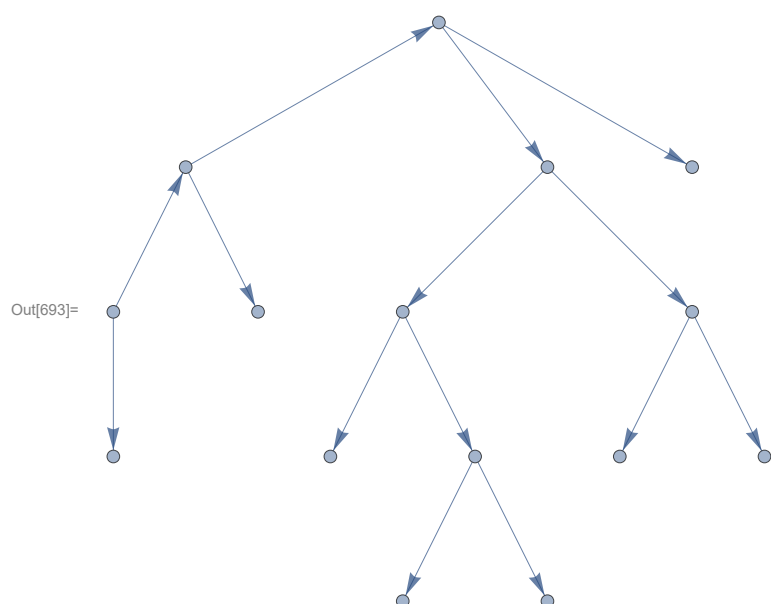
Out[685]=



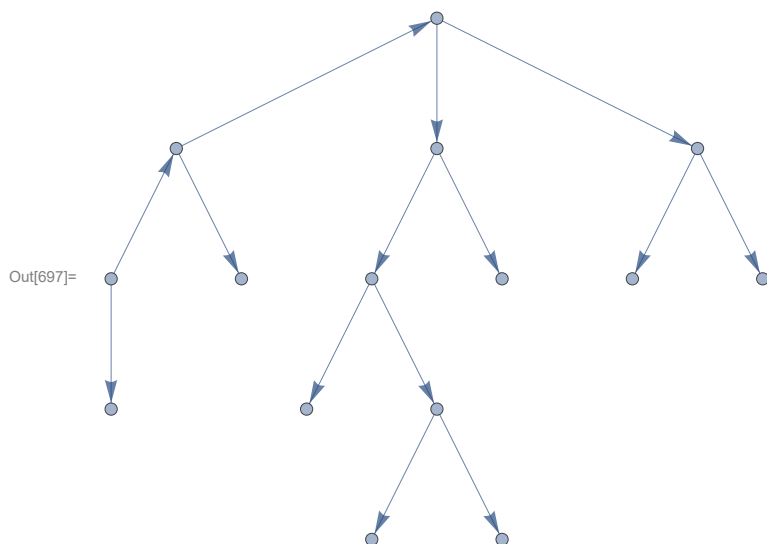
$$\text{Out[687]} = \left\{ x - x^3 + x^5 + G^3(x^4 - x^6) + G(-1 + 2x^2 - 4x^4 + 2x^6) + G^2(3x^3 - 4x^5 + x^7) \right\}$$



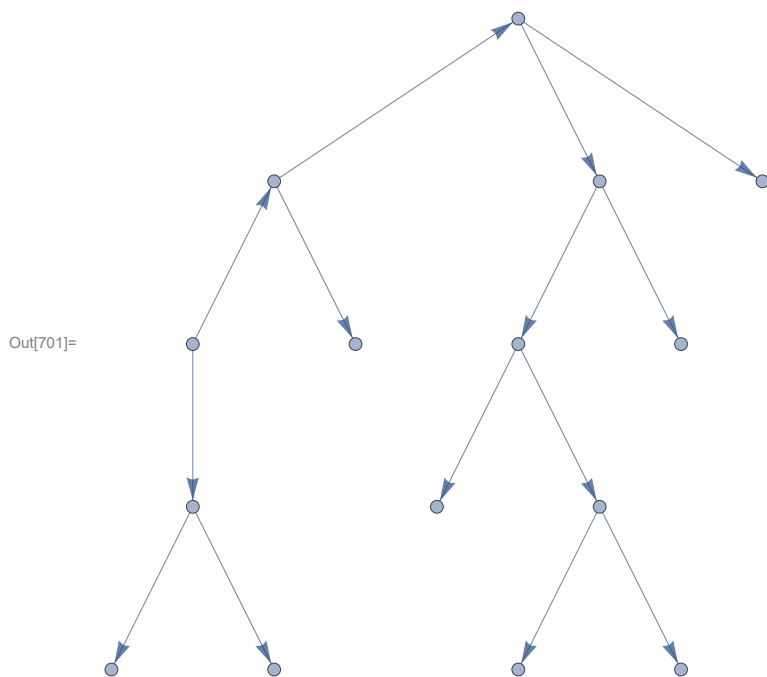
$$\text{Out[691]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



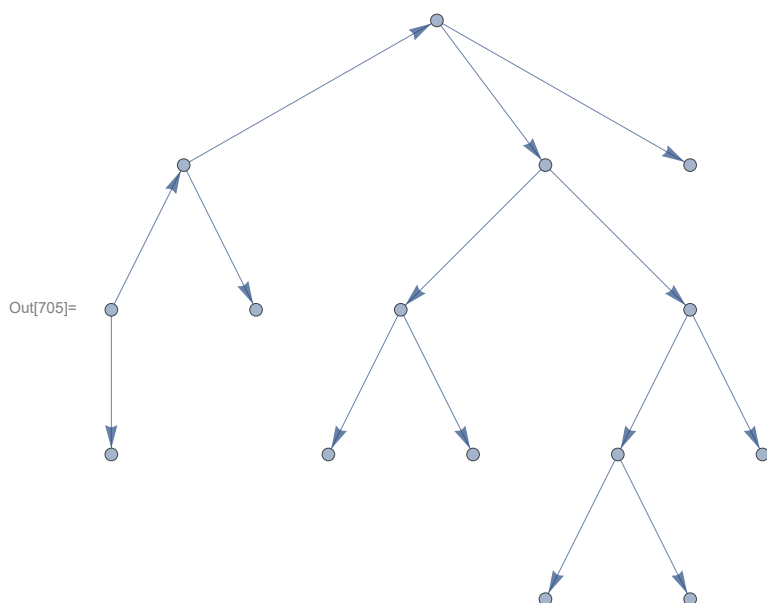
$$\text{Out[695]} = \left\{ -x + x^3 - 2x^5 + x^7 + G^2 \left(-4x^3 + 4x^5 \right) + G \left(1 - 2x^2 + 6x^4 - 4x^6 \right) \right\}$$



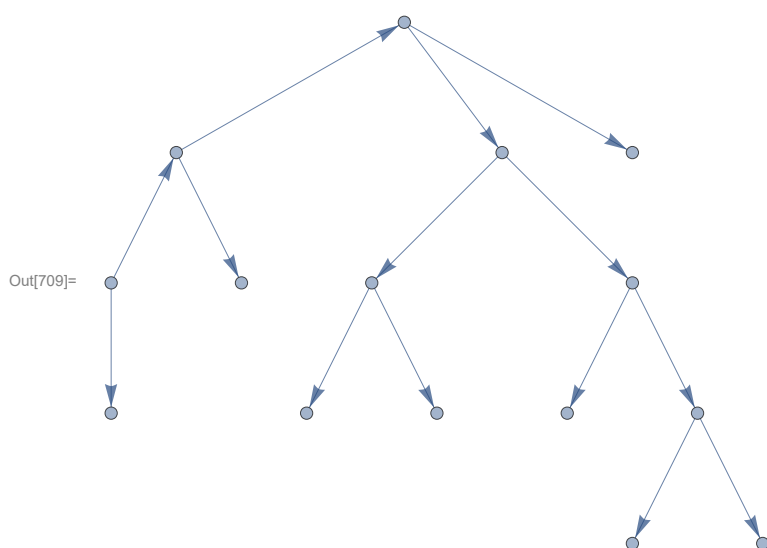
$$\text{Out[699]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



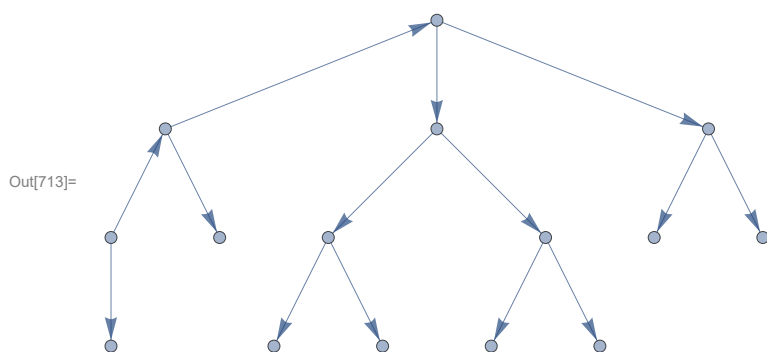
$$\text{Out[703]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2 \left(-3x^3 + 3x^5 \right) + G \left(1 - 2x^2 + 4x^4 - x^6 \right) + G^3 \left(-x^4 + x^6 \right) \right\}$$



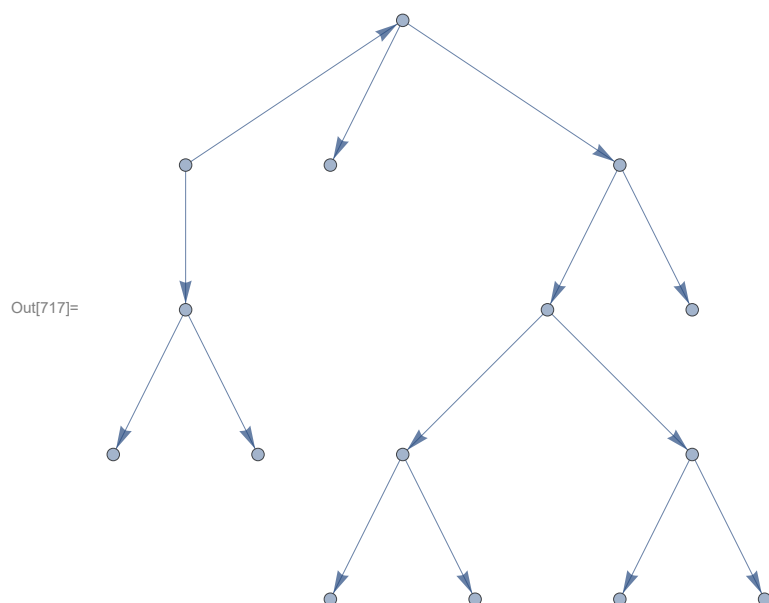
$$\text{Out[707]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



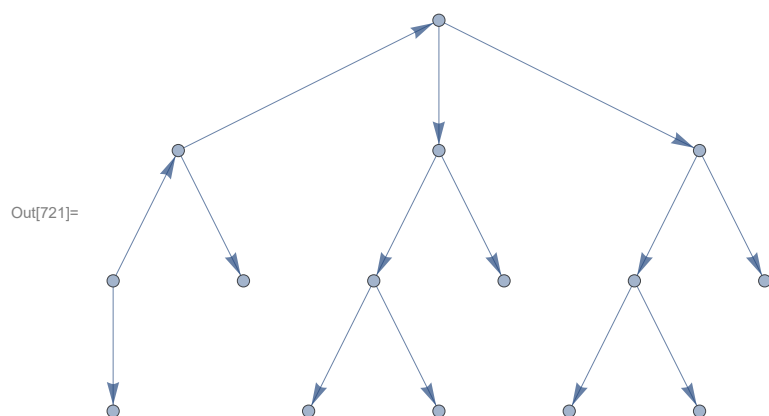
$$\text{Out[711]} = \left\{ -x^4 + x^6 + G^3 (-3x^3 + 2x^5) + G^2 (1 - 3x^2 + 7x^4 - 3x^6) + G (-x + 3x^3 - 5x^5 + x^7) \right\}$$



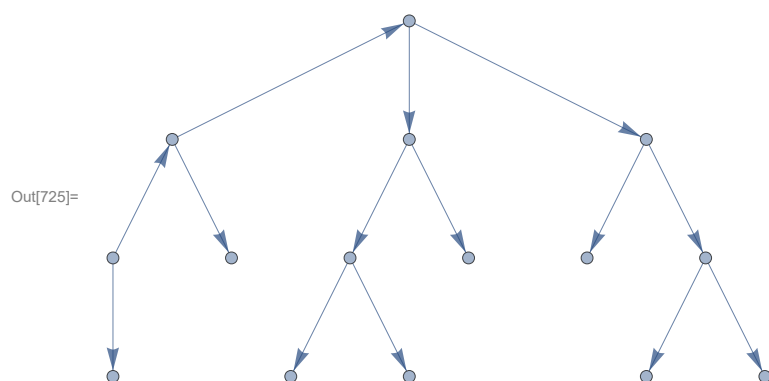
$$\text{Out[715]} = \left\{ -x^4 + x^6 + G^3 (-3x^3 + 2x^5) + G^2 (1 - 3x^2 + 7x^4 - 3x^6) + G (-x + 3x^3 - 5x^5 + x^7) \right\}$$



$$\text{Out[719]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$

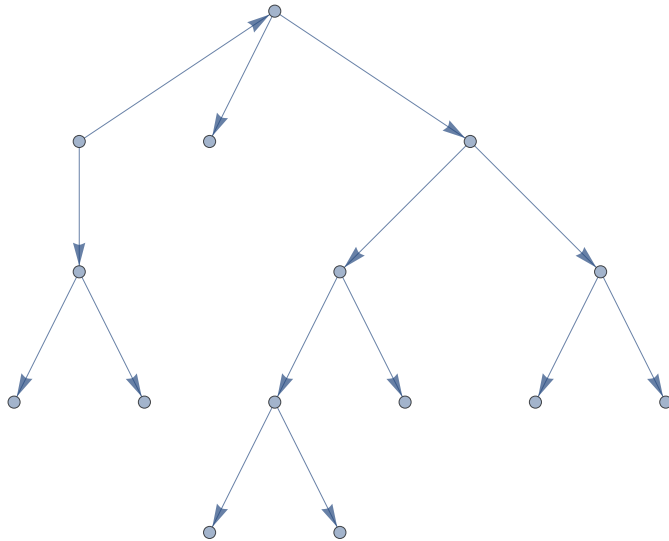


$$\text{Out[723]} = \left\{ x^4 + G (x - 3x^3 + 3x^5) + G^2 (-1 + 3x^2 - 6x^4 + 3x^6) + G^3 (3x^3 - 3x^5 + x^7) \right\}$$



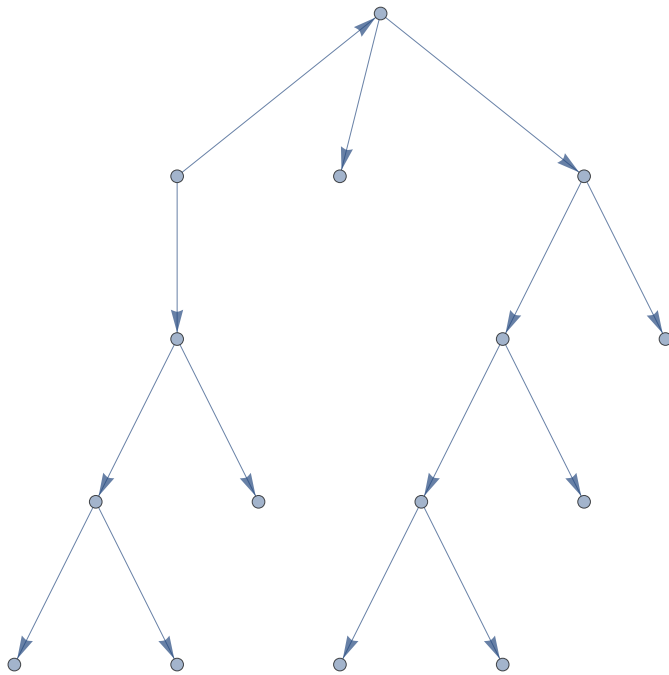
$$\text{Out[727]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$

Out[729]=



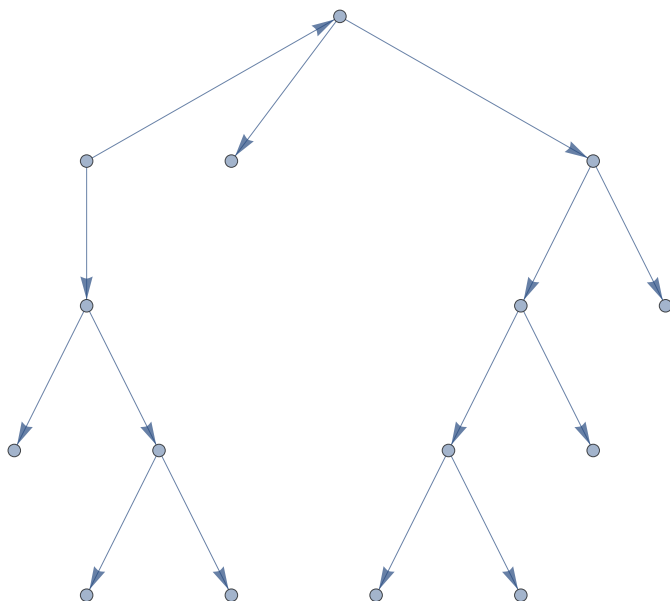
$$\text{Out[731]} = \left\{ x - x^3 + 2x^5 - G^3 x^6 + G(-1 + 2x^2 - 6x^4 + 2x^6) + G^2(4x^3 - 3x^5 + x^7) \right\}$$

Out[733]=



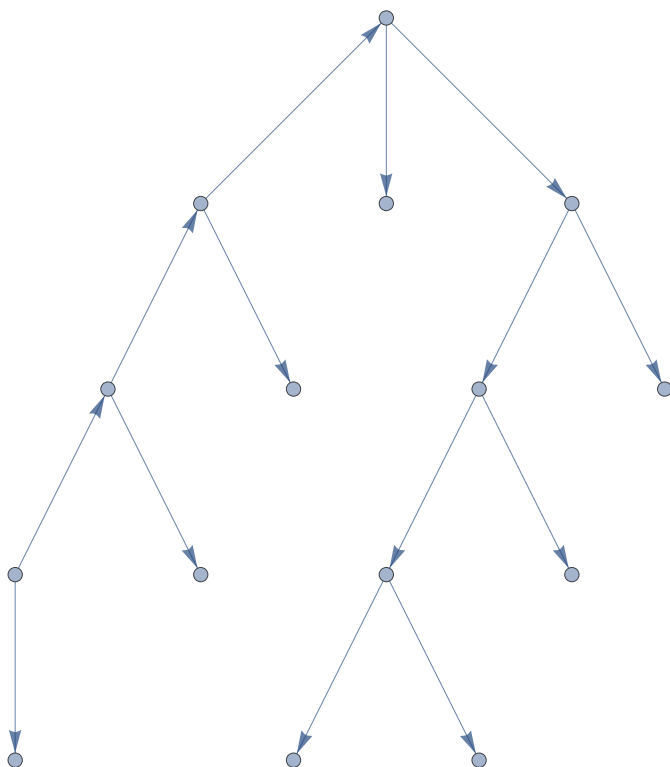
$$\text{Out[735]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2(-3x^3 + 3x^5) + G(1 - 2x^2 + 4x^4 - x^6) + G^3(-x^4 + x^6) \right\}$$

Out[737]=



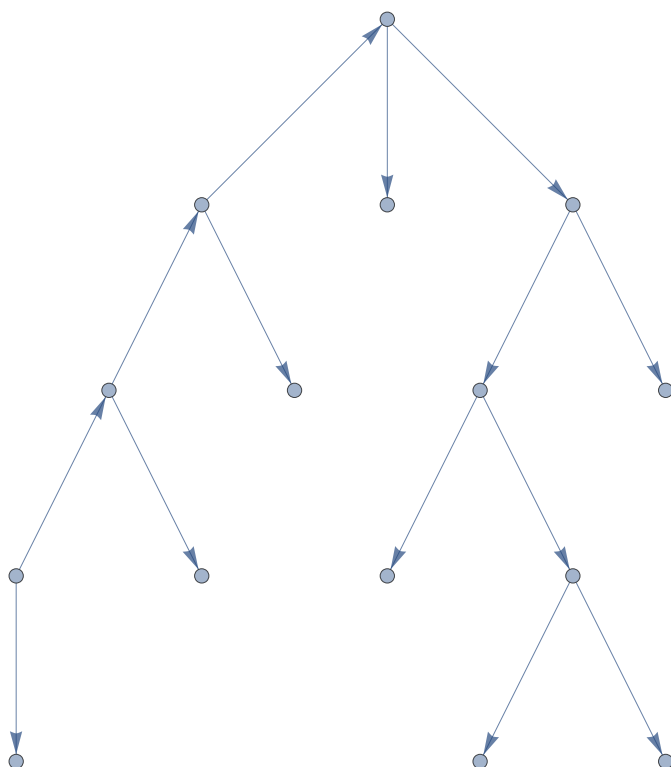
$$\text{Out[739]} = \left\{ x - x^3 + 2x^5 + x^9 + G^3(-x^6 + x^{10}) + G(-1 + 2x^2 - 6x^4 + 2x^6 - 3x^8 + 2x^{10}) + G^2(4x^3 - 3x^5 + 3x^7 - 3x^9 + x^{11}) + G^4(-2x^9 + x^{11}) \right\}$$

Out[741]=



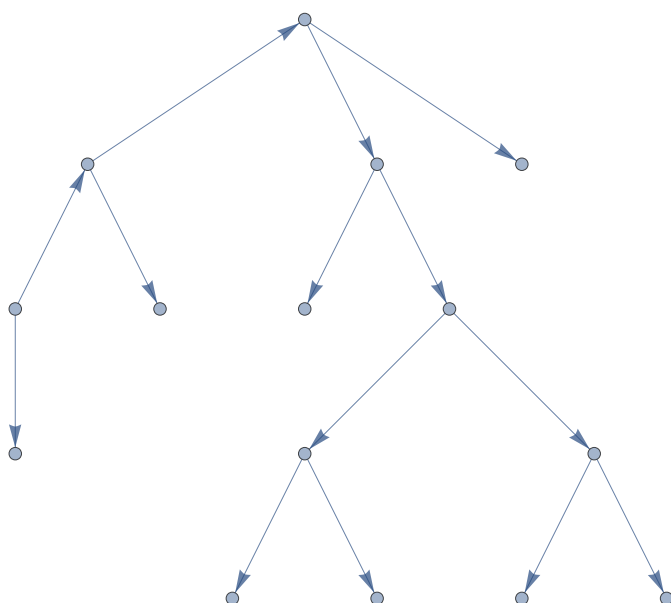
$$\text{Out[743]} = \left\{ x - x^3 + x^5 + G^3(x^4 - x^6) + G(-1 + 2x^2 - 4x^4 + 2x^6) + G^2(3x^3 - 4x^5 + x^7) \right\}$$

Out[745]=

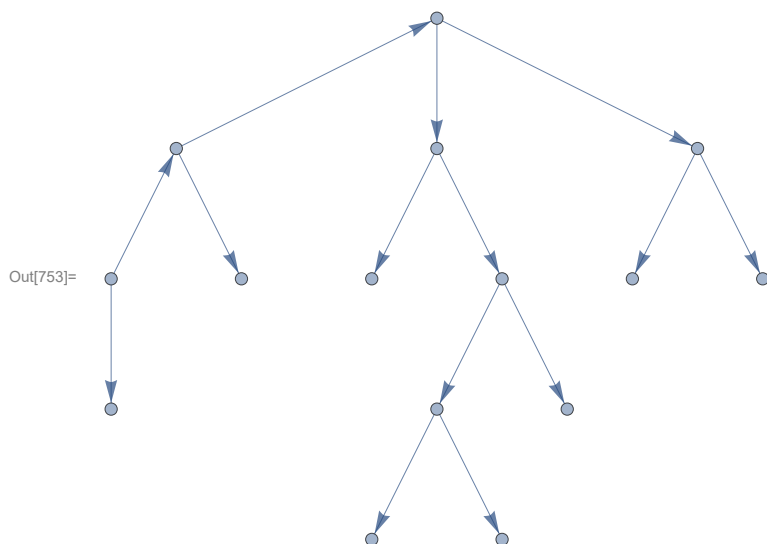


$$\text{Out[747]} = \left\{ -x + x^3 - 2 G^3 x^4 - x^5 + x^7 + G^2 (-2 x^3 + 5 x^5) + G (1 - 2 x^2 + 3 x^4 - 4 x^6) \right\}$$

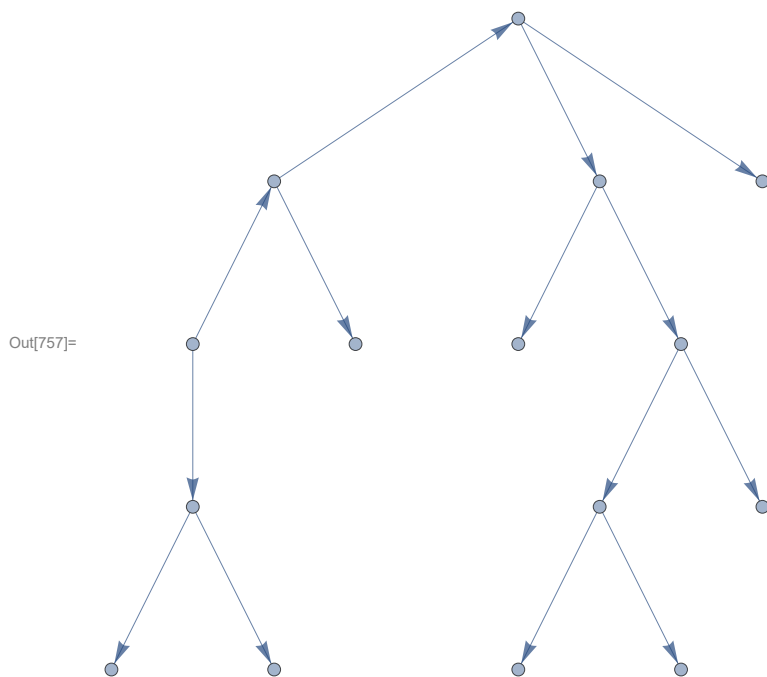
Out[749]=



$$\text{Out[751]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 (-2 x^3 + 3 x^5) + G^2 (1 - 3 x^2 + 5 x^4 - 3 x^6) + G (-x + 3 x^3 - 4 x^5 + x^7) \right\}$$

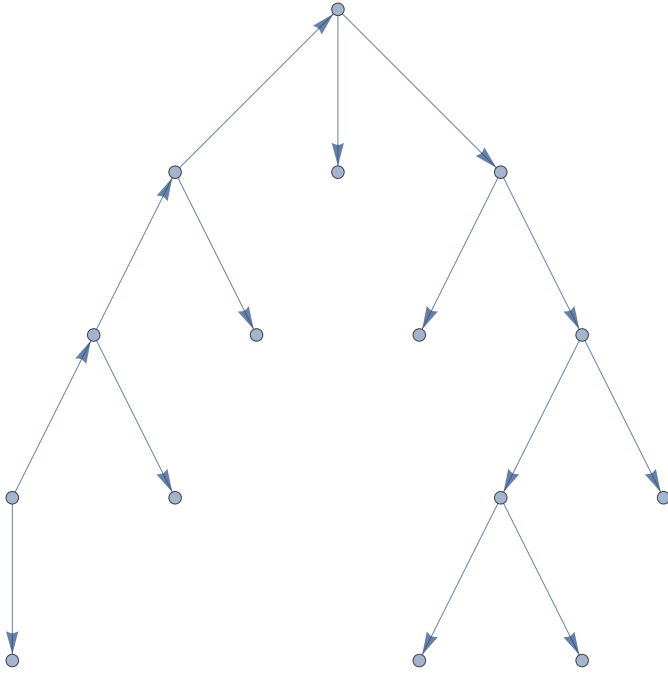


$$\text{Out[753]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 (-2x^3 + 3x^5) + G^2 (1 - 3x^2 + 5x^4 - 3x^6) + G (-x + 3x^3 - 4x^5 + x^7) \right\}$$



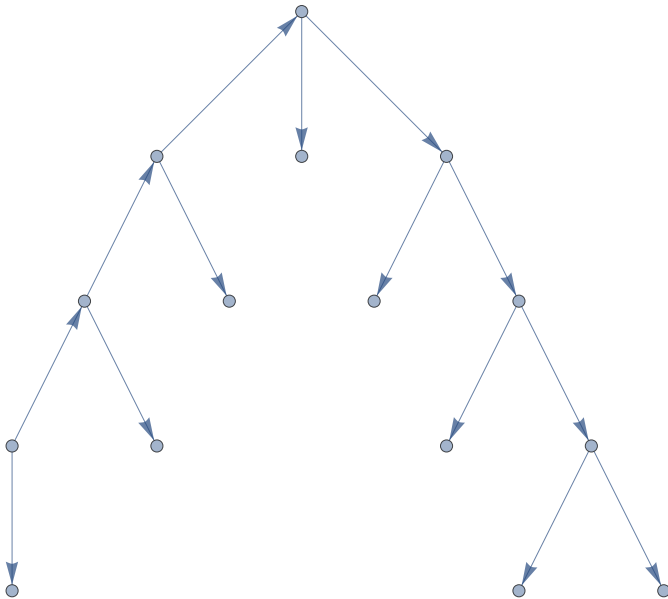
$$\text{Out[759]} = \left\{ -x^2 + x^4 + G (2x - 3x^3 + 2x^5) + G^2 (-1 + 2x^2 - 4x^4 + 3x^6) + G^3 (2x^3 - 5x^5 + 3x^7) + G^4 (2x^4 - 3x^6 + x^8) \right\}$$

Out[761]=

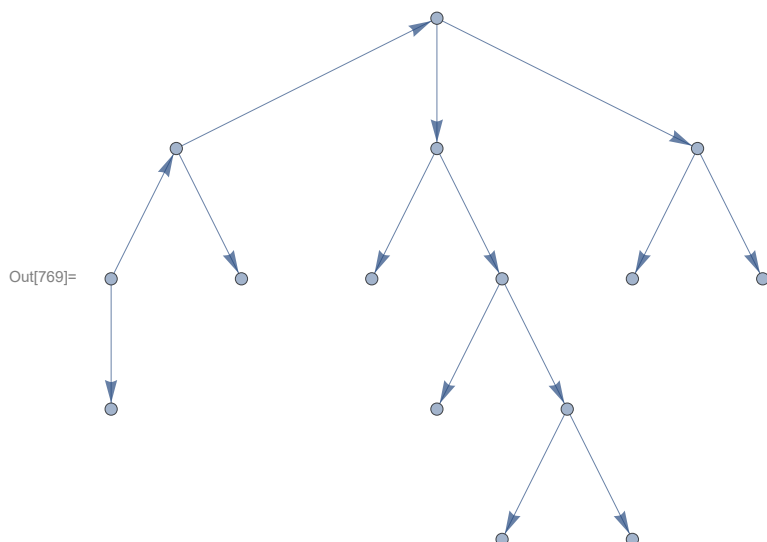


$$\text{Out[763]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$

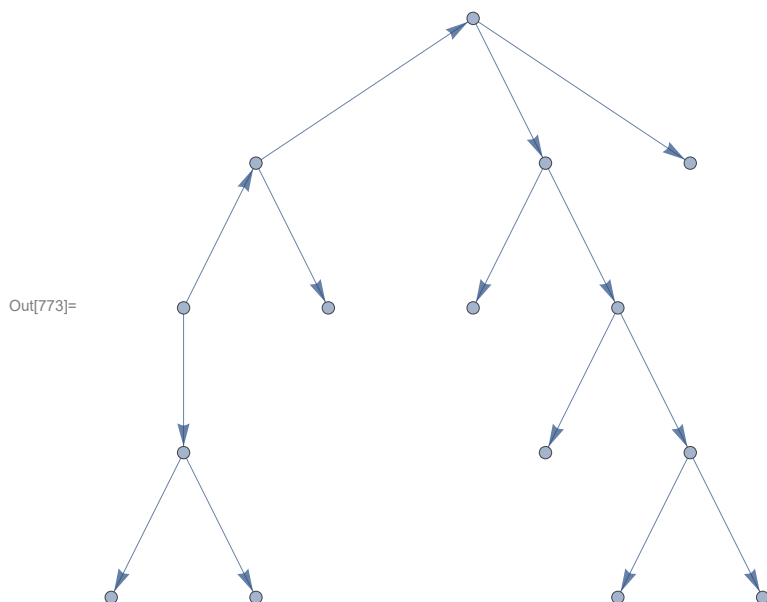
Out[765]=



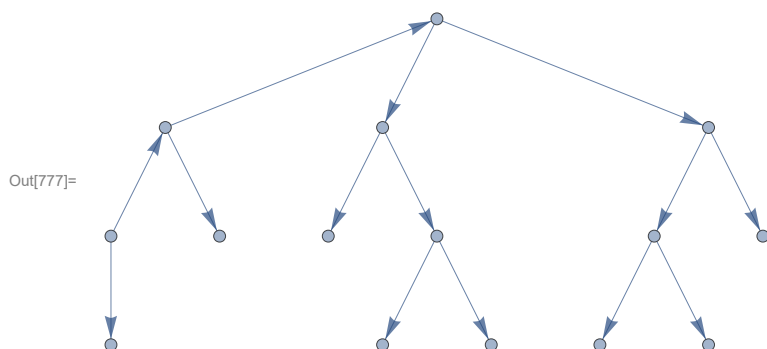
$$\text{Out[767]} = \left\{ 2G^4x^3 - x^5 + x^7 + G^3 \left(-1 + 4x^2 - 7x^4 \right) + G^2 \left(x - 6x^3 + 9x^5 \right) + G \left(4x^4 - 5x^6 \right) \right\}$$



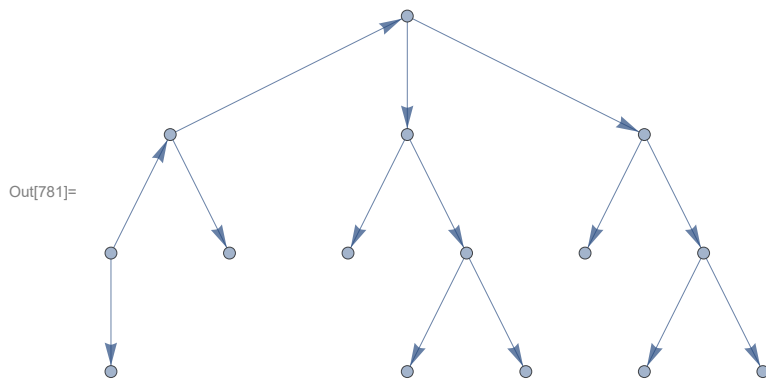
$$\text{Out[771]} = \left\{ 3 G^4 x^3 + x^7 + G^3 (-1 + 3 x^2 - 9 x^4) + G^2 (x - 3 x^3 + 10 x^5) + G (x^4 - 5 x^6) \right\}$$



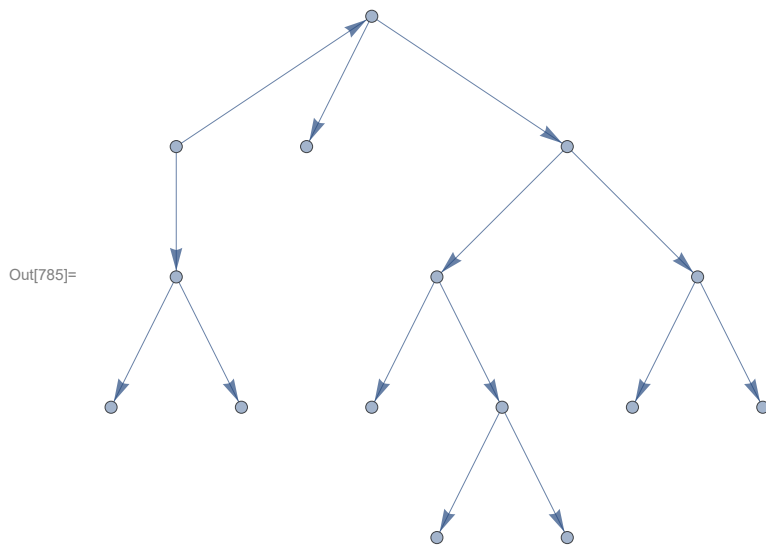
$$\text{Out[775]} = \left\{ x^2 - x^4 + x^8 + G (-2 x + 3 x^3 - 2 x^5 - 4 x^7 + 4 x^9) + G^2 (1 - 2 x^2 + 4 x^4 + 3 x^6 - 12 x^8 + 6 x^{10}) + G^3 (-2 x^3 + x^5 + 9 x^7 - 12 x^9 + 4 x^{11}) + G^4 (-x^4 - x^6 + 5 x^8 - 4 x^{10} + x^{12}) \right\}$$



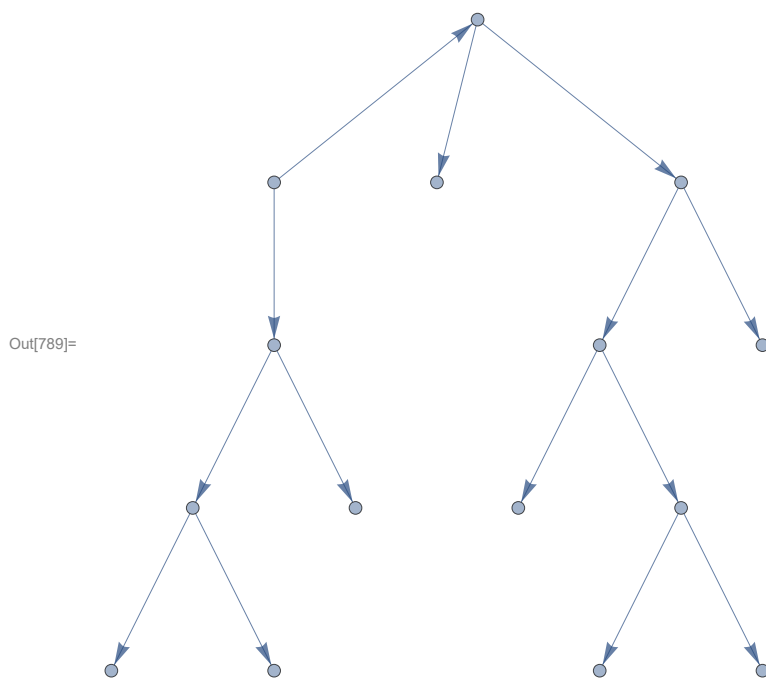
$$\text{Out[779]} = \left\{ -x^4 + x^6 + G^3 (-3 x^3 + 2 x^5) + G^2 (1 - 3 x^2 + 7 x^4 - 3 x^6) + G (-x + 3 x^3 - 5 x^5 + x^7) \right\}$$



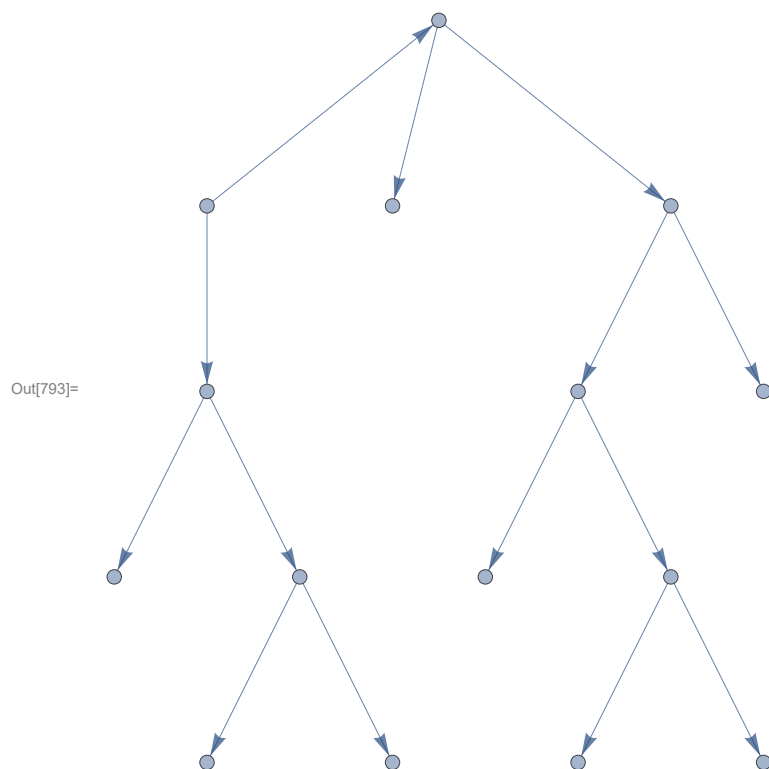
$$\text{Out[783]} = \left\{ 2 G^4 x^3 - x^5 + x^7 + G^3 \left(-1 + 4 x^2 - 7 x^4 \right) + G^2 \left(x - 6 x^3 + 9 x^5 \right) + G \left(4 x^4 - 5 x^6 \right) \right\}$$



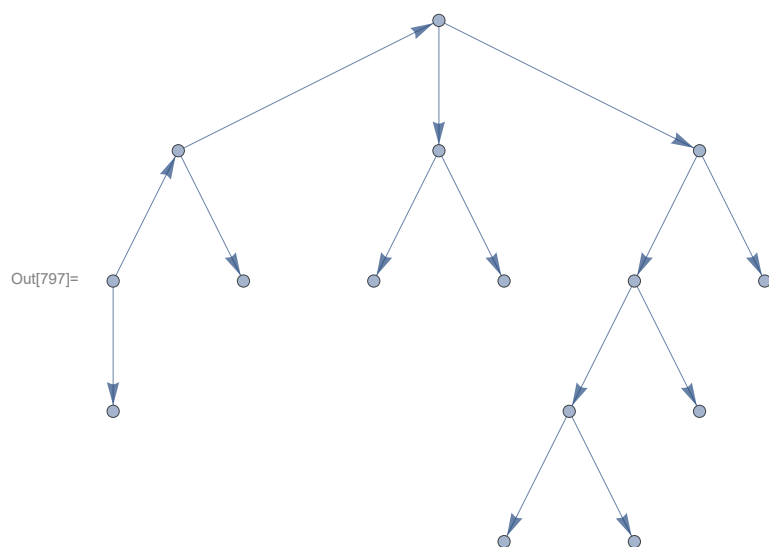
$$\text{Out[787]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2 x^2 - 4 x^4 + 2 x^6 \right) + G^2 \left(3 x^3 - 4 x^5 + x^7 \right) \right\}$$



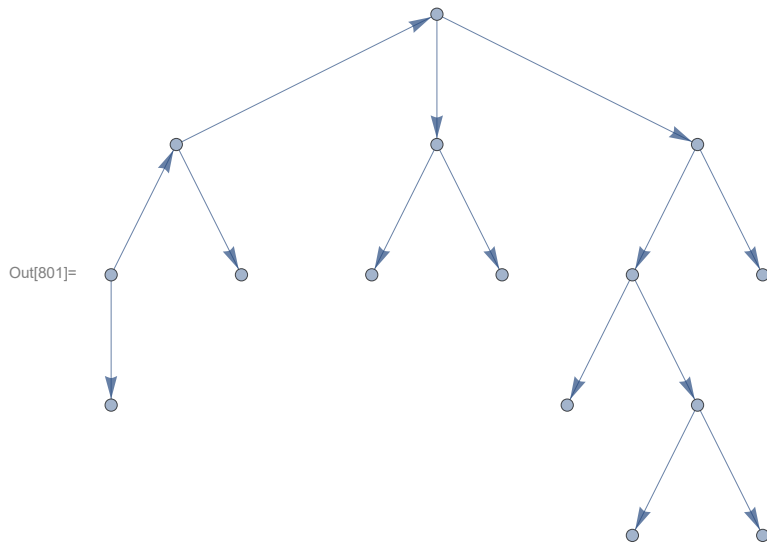
$$\text{Out[791]} = \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 3x^5 \right) + G^3 \left(-2x^4 + 2x^6 \right) \right\}$$



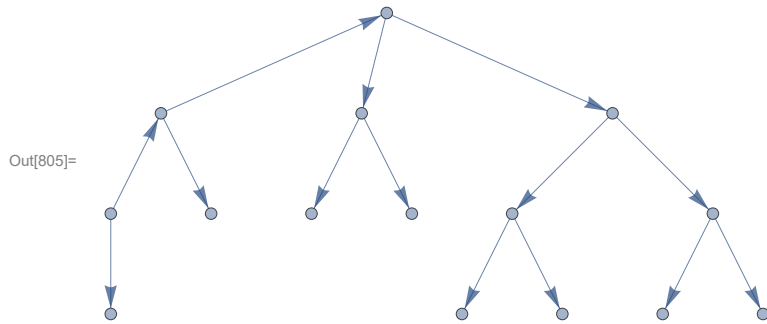
$$\text{Out[795]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2 \left(-3x^3 + 3x^5 \right) + G \left(1 - 2x^2 + 4x^4 - x^6 \right) + G^3 \left(-x^4 + x^6 \right) \right\}$$



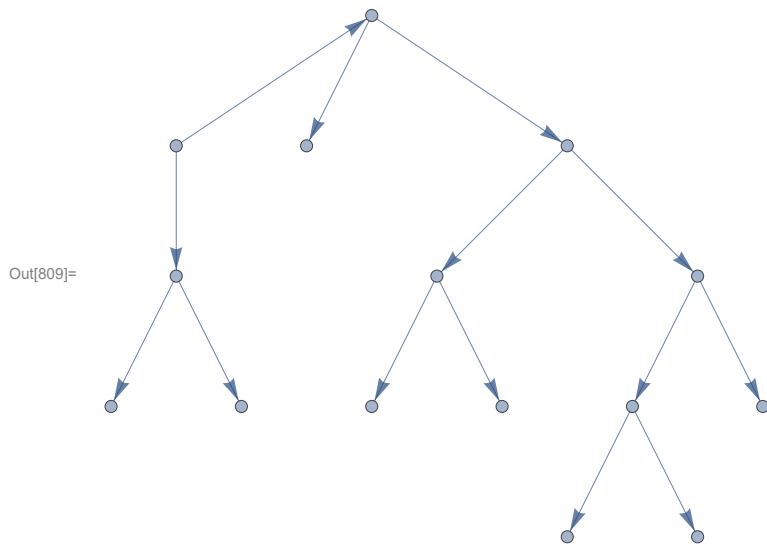
$$\text{Out[799]} = \left\{ x^4 + G \left(x - 3x^3 + 3x^5 \right) + G^2 \left(-1 + 3x^2 - 6x^4 + 3x^6 \right) + G^3 \left(3x^3 - 3x^5 + x^7 \right) \right\}$$



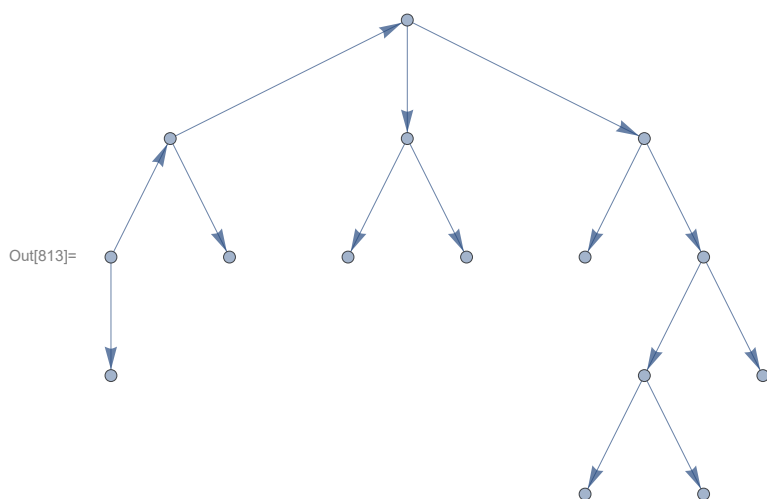
$$\text{Out[803]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



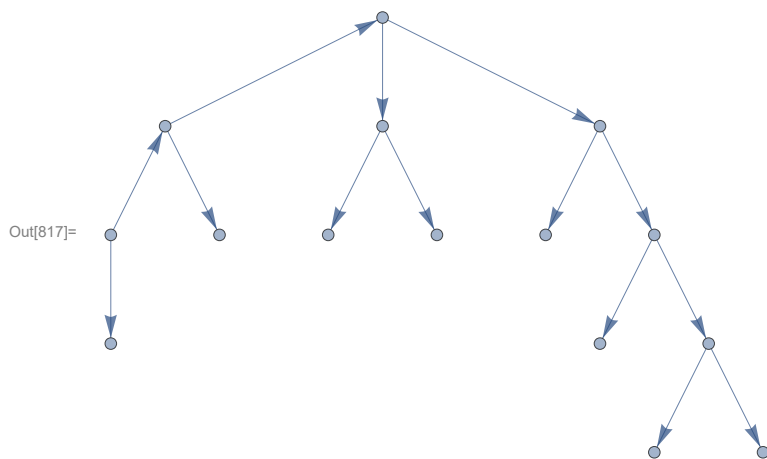
$$\text{Out[807]} = \left\{ x^5 + G^4 \left(-2x^3 + x^5 \right) + G^3 \left(1 - 4x^2 + 6x^4 - 2x^6 \right) + G \left(-4x^4 + 2x^6 \right) + G^2 \left(-x + 6x^3 - 6x^5 + x^7 \right) \right\}$$



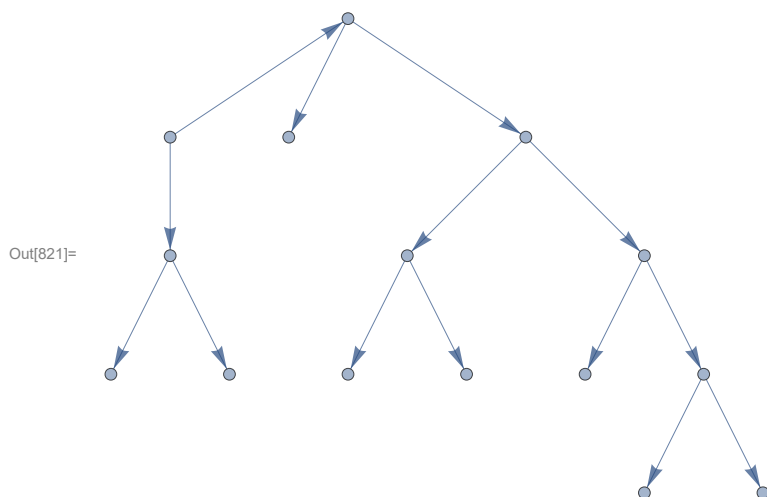
$$\text{Out[811]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$



$$\text{Out[815]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$

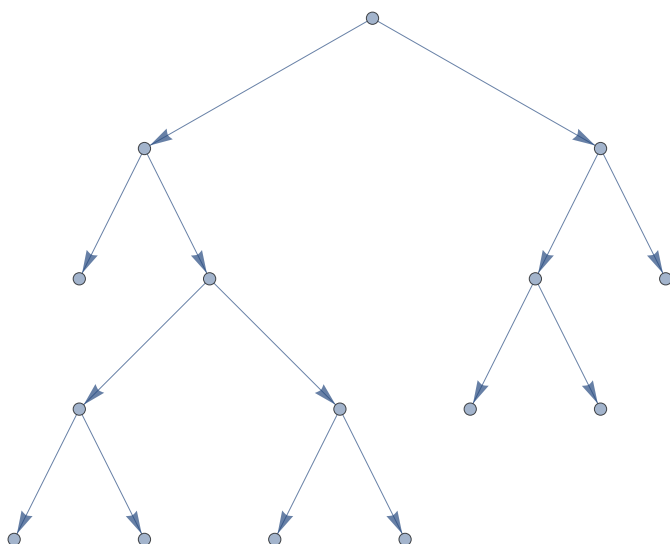


$$\text{Out[819]} = \left\{ G^5 x^3 + x^6 + G^4 (-1 + 5x^2 - 4x^4) + G^3 (x - 10x^3 + 6x^5) + G^2 (10x^4 - 4x^6) + G (-5x^5 + x^7) \right\}$$



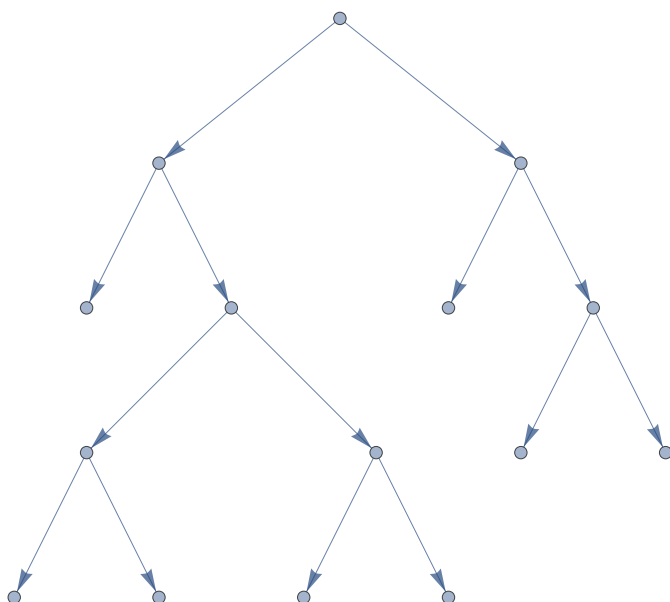
$$\text{Out[823]} = \left\{ x^2 - x^4 + x^6 + G^3 (-4x^3 + 5x^5 - 2x^7) + G (-2x + 3x^3 - 6x^5 + 2x^7) + G^2 (1 - 2x^2 + 9x^4 - 7x^6 + x^8) \right\}$$

Out[825]=

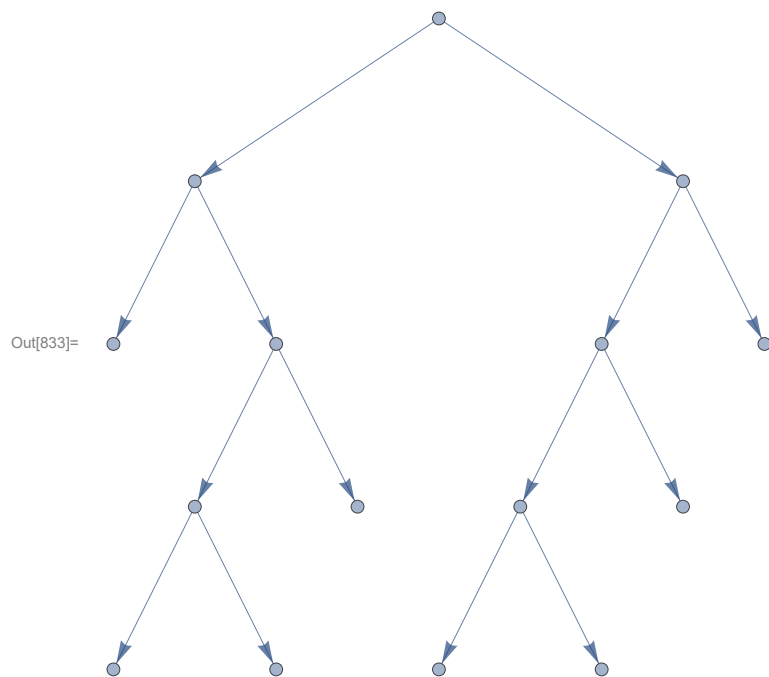


$$\text{Out[827]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$

Out[829]=

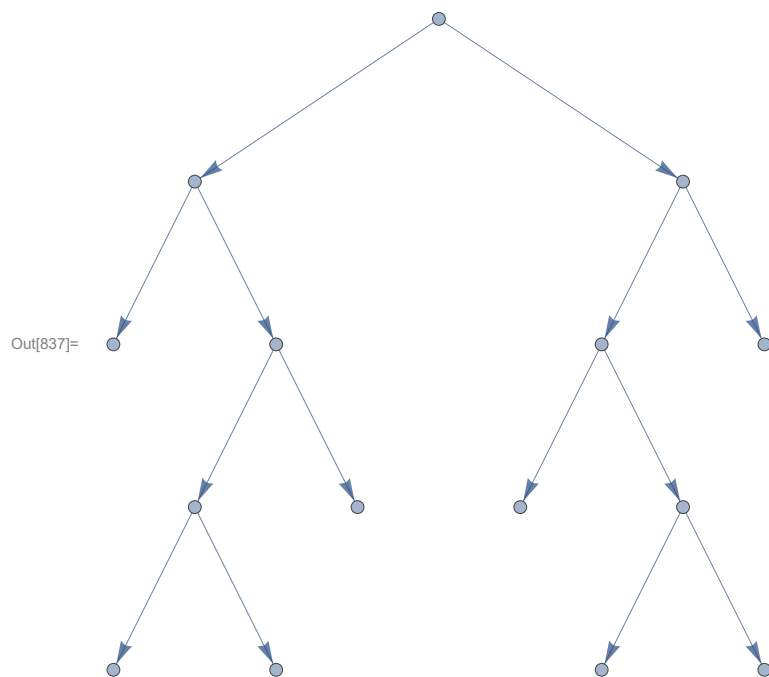


$$\text{Out[831]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$



Out[833]=

$$\text{Out[835]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2 (-3x^3 + 3x^5) + G(1 - 2x^2 + 4x^4 - x^6) + G^3(-x^4 + x^6) \right\}$$



Out[837]=

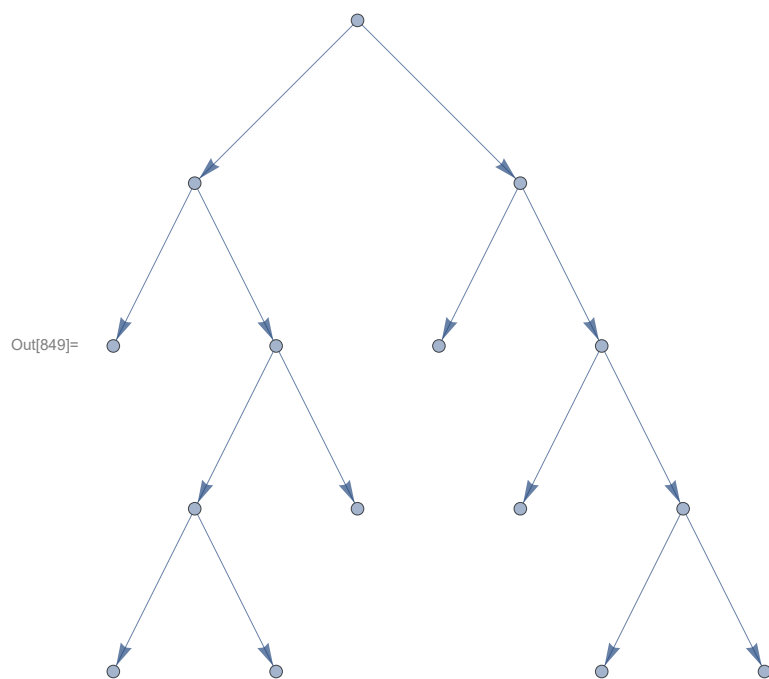
$$\text{Out[839]} = \left\{ -x + x^3 + G^4 x^7 + G(1 - 2x^2 + 2x^4) + G^2(-2x^3 + 3x^5) + G^3(-2x^4 + 2x^6) \right\}$$



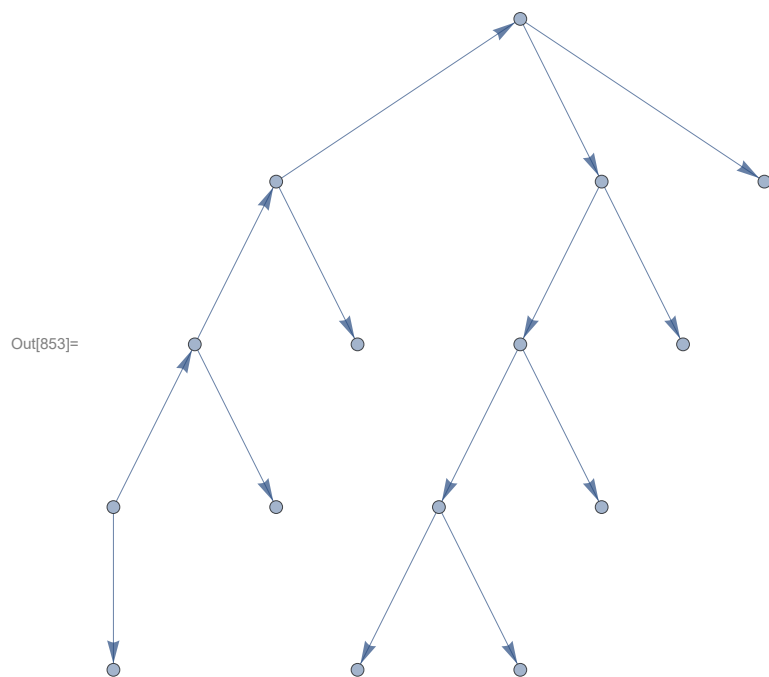
Out[843]=



Out[847]=

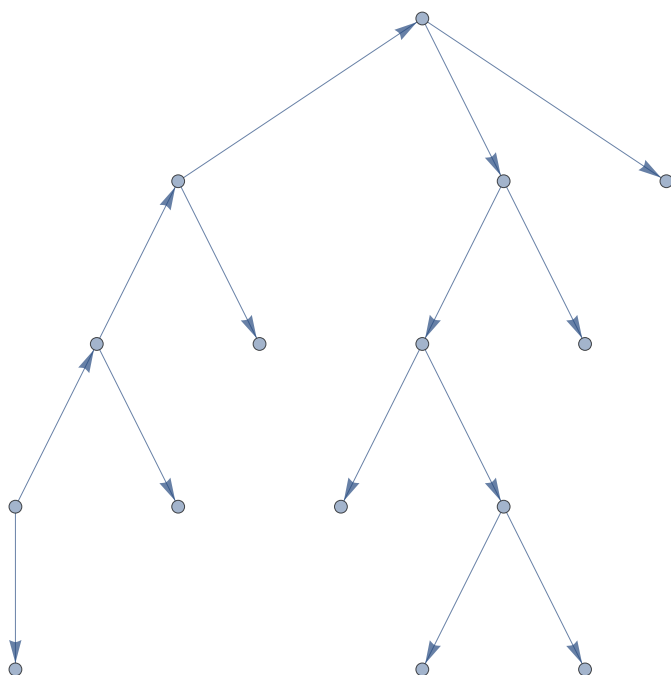


$$\text{Out[851]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2 (-3x^3 + 3x^5) + G(1 - 2x^2 + 4x^4 - x^6) + G^3(-x^4 + x^6) \right\}$$



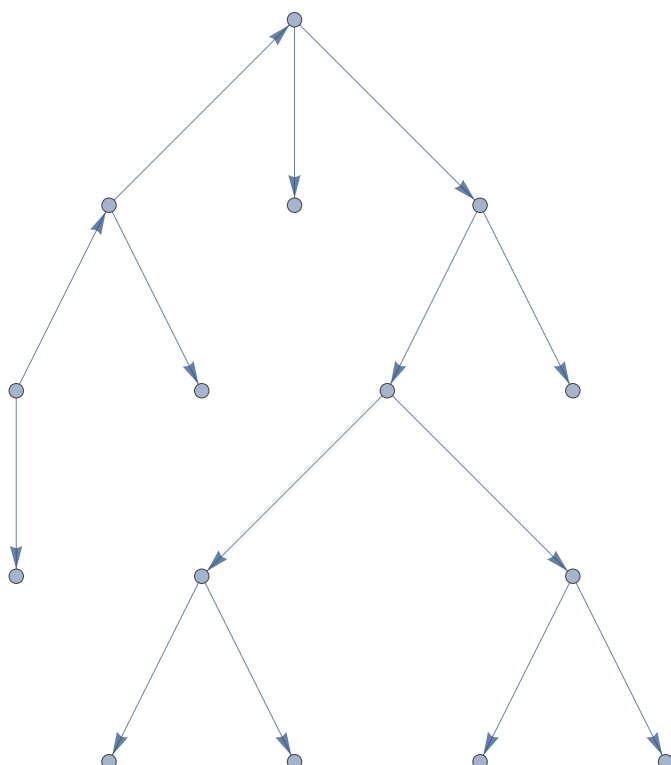
$$\text{Out[855]} = \left\{ x^4 + G(x - 3x^3 + 3x^5) + G^2(-1 + 3x^2 - 6x^4 + 3x^6) + G^3(3x^3 - 3x^5 + x^7) \right\}$$

Out[857]=

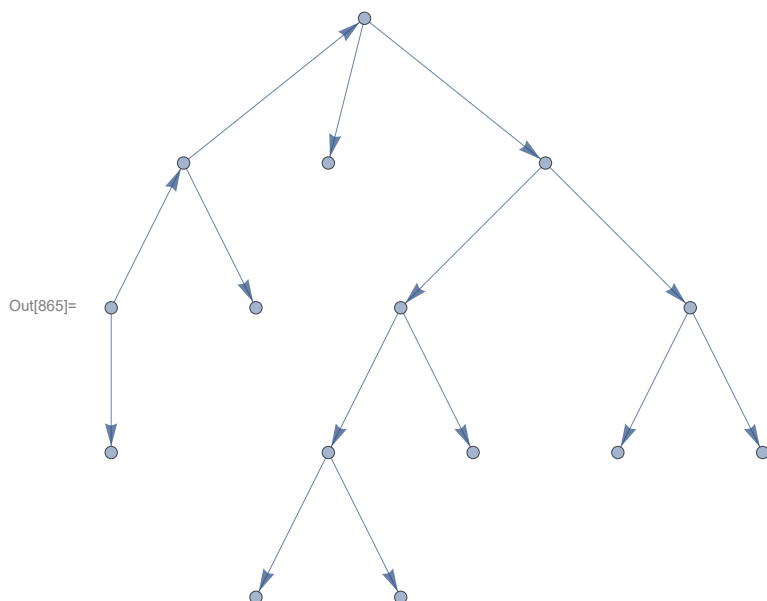


$$\text{Out[859]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$

Out[861]=

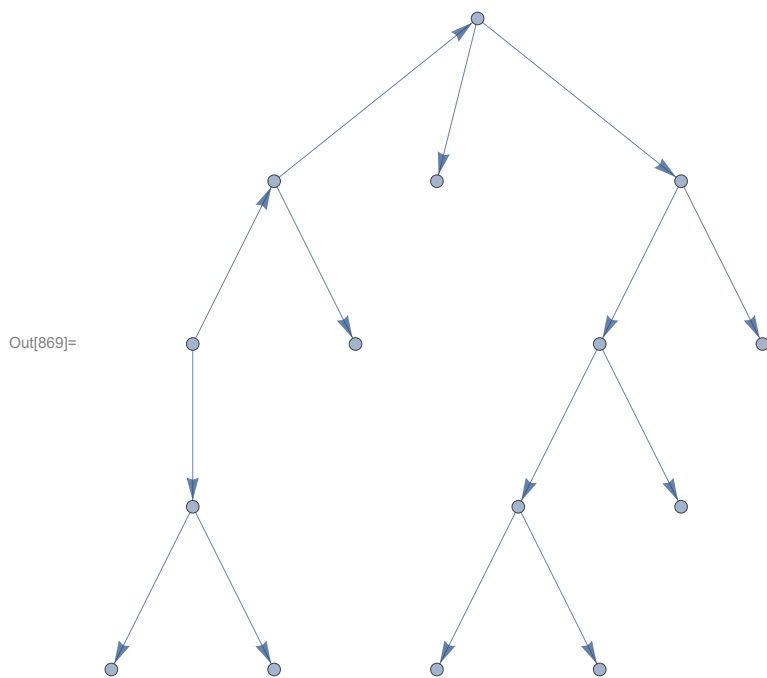


$$\text{Out[863]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



Out[865]=

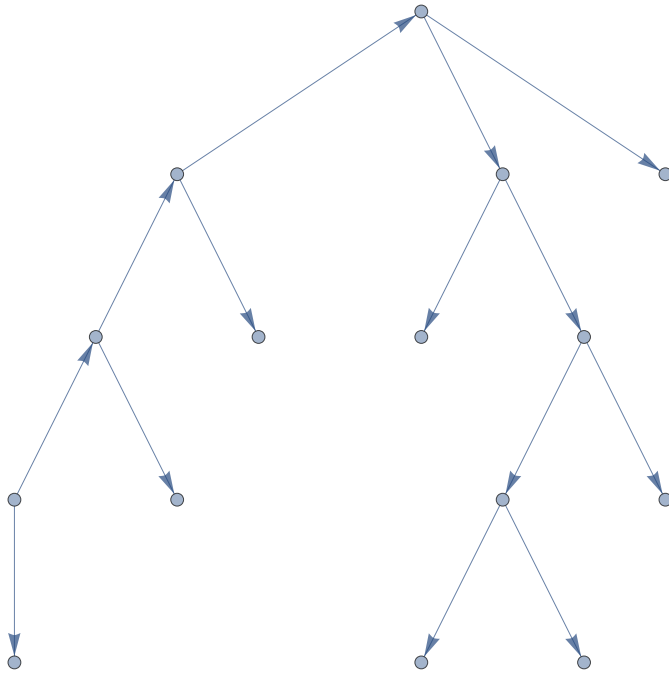
$$\text{Out[867]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$



Out[869]=

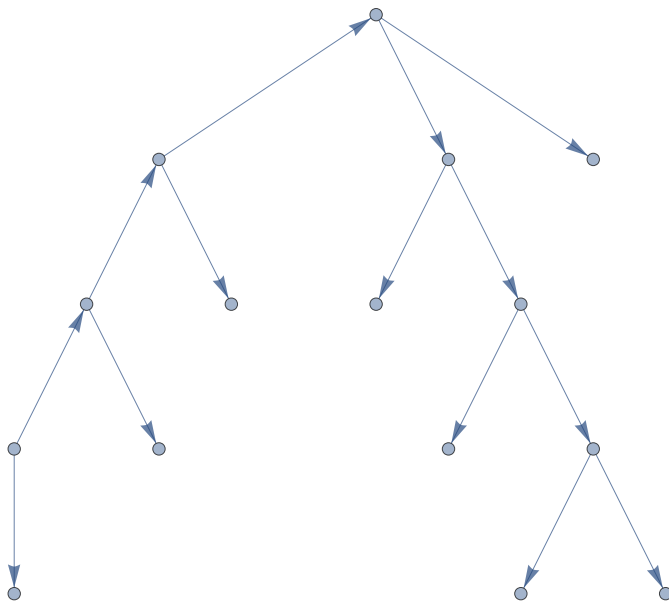
$$\text{Out[871]} = \left\{ -x^2 + x^4 - x^6 + G^2 (-1 + 2x^2 - 9x^4 + 5x^6) + G (2x - 3x^3 + 6x^5 - x^7) + G^3 (4x^3 - 4x^5 + 2x^7) + G^4 (-x^6 + x^8) \right\}$$

Out[873]=

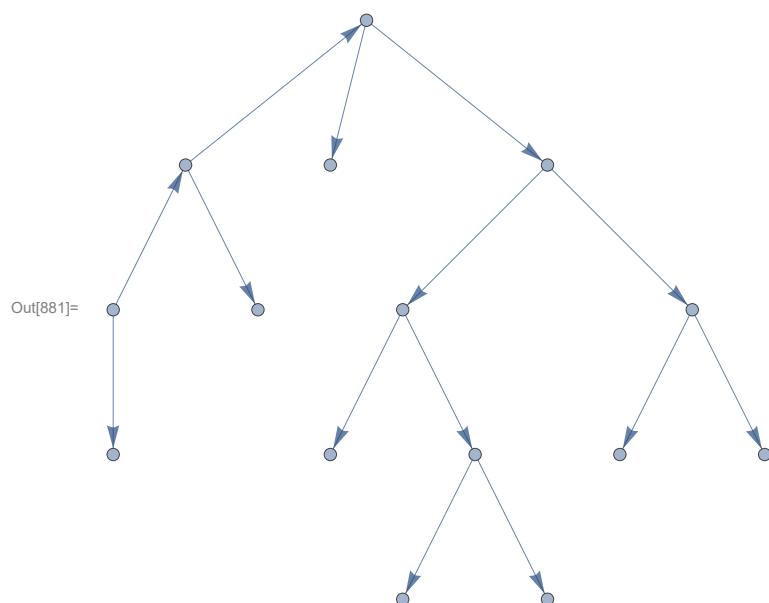


$$\text{Out[875]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$

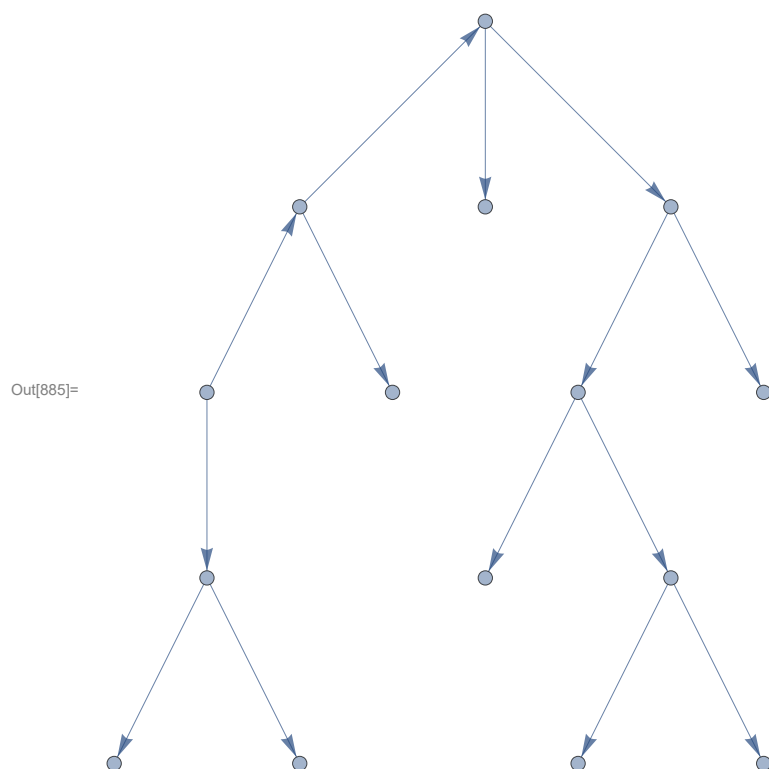
Out[877]=



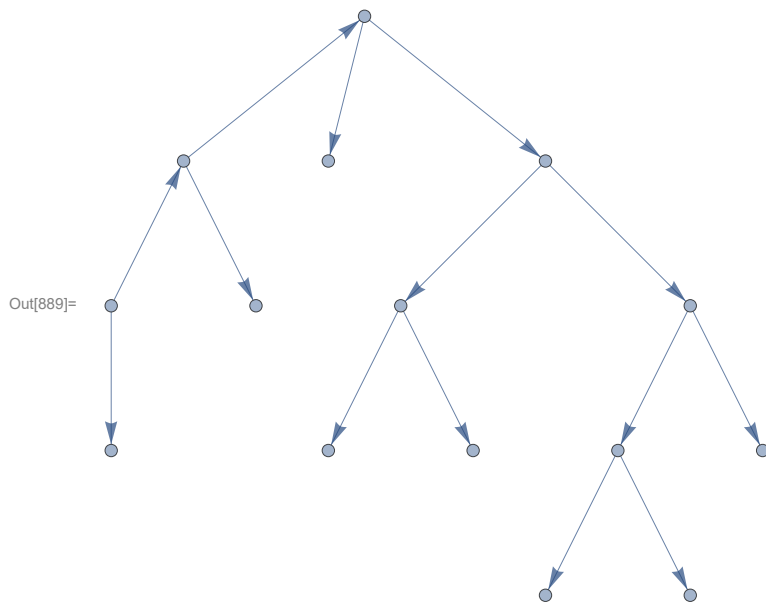
$$\text{Out[879]} = \left\{ 3G^4x^3 + x^7 + G^3 \left(-1 + 3x^2 - 9x^4 \right) + G^2 \left(x - 3x^3 + 10x^5 \right) + G \left(x^4 - 5x^6 \right) \right\}$$



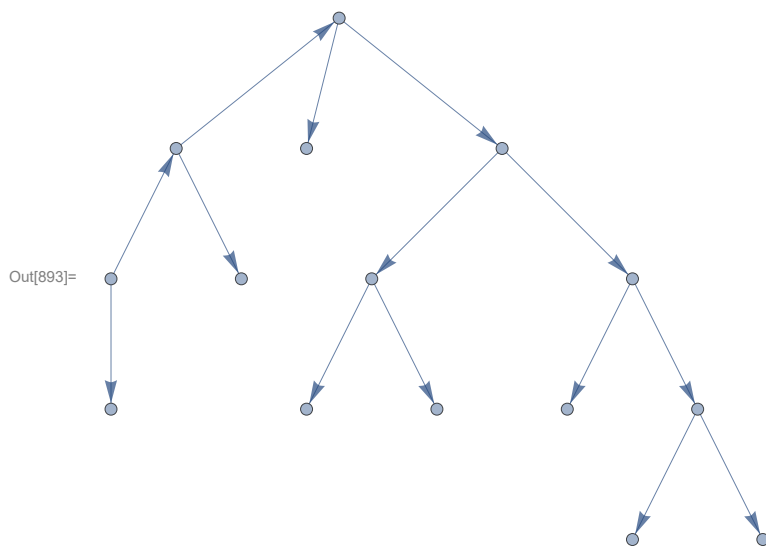
$$\text{Out[883]} = \left\{ 2 G^4 x^3 - x^5 + x^7 + G^3 (-1 + 4 x^2 - 7 x^4) + G^2 (x - 6 x^3 + 9 x^5) + G (4 x^4 - 5 x^6) \right\}$$



$$\text{Out[887]} = \left\{ -x^2 + x^4 + G (2 x - 3 x^3 + 3 x^5) + G^2 (-1 + 2 x^2 - 6 x^4 + 4 x^6) + G^3 (3 x^3 - 5 x^5 + 3 x^7) + G^4 (x^4 - 2 x^6 + x^8) \right\}$$

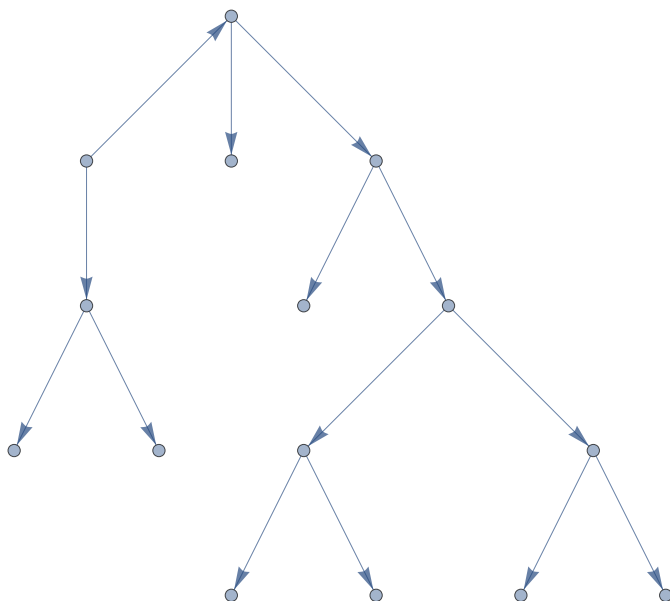


$$\text{Out[891]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$



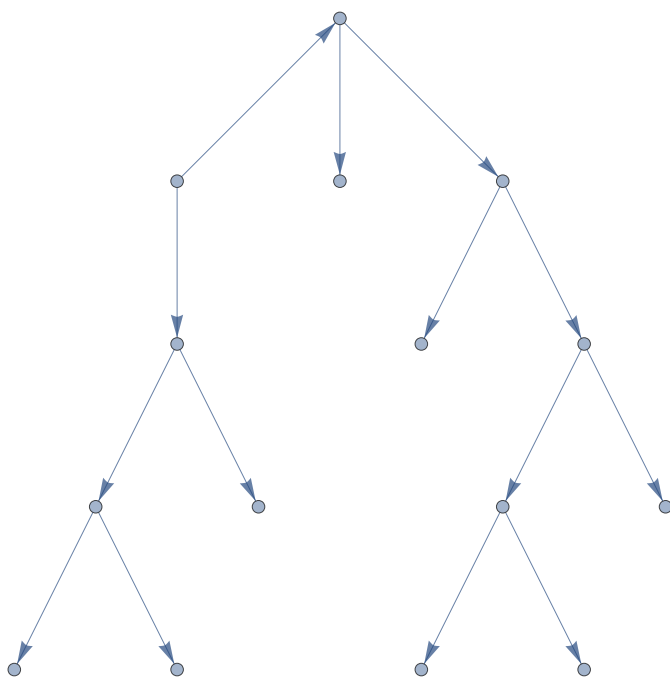
$$\text{Out[895]} = \left\{ G^5 x^3 + x^6 + G^4 (-1 + 5x^2 - 4x^4) + G^3 (x - 10x^3 + 6x^5) + G^2 (10x^4 - 4x^6) + G (-5x^5 + x^7) \right\}$$

Out[897]=



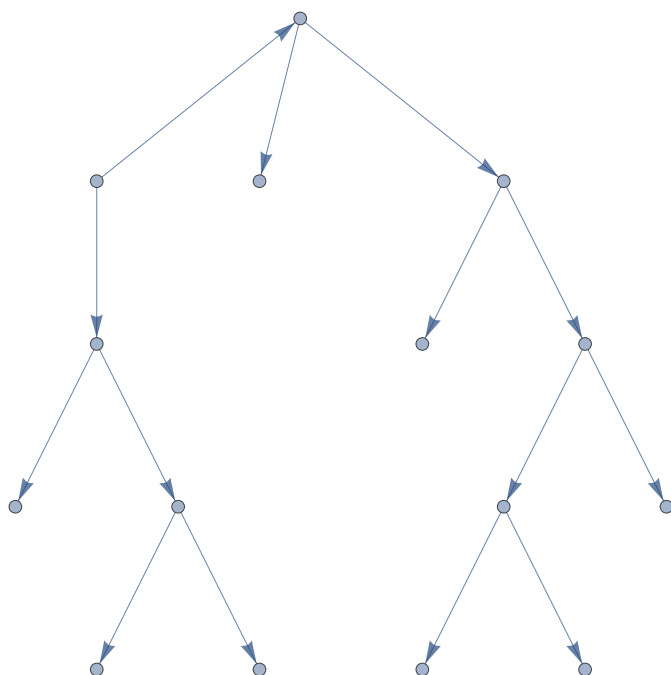
$$\text{Out[899]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$

Out[901]=



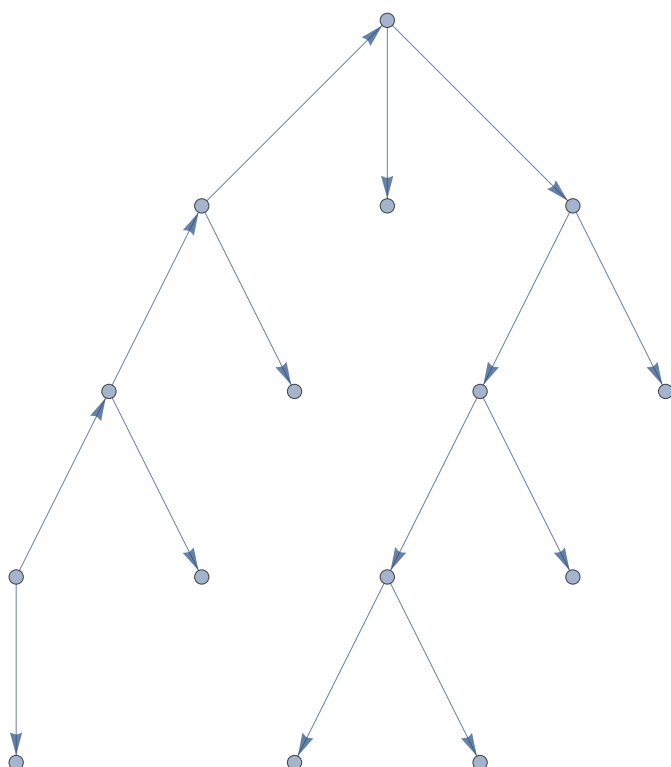
$$\text{Out[903]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2 \left(-3x^3 + 3x^5 \right) + G \left(1 - 2x^2 + 4x^4 - x^6 \right) + G^3 \left(-x^4 + x^6 \right) \right\}$$

Out[905]=

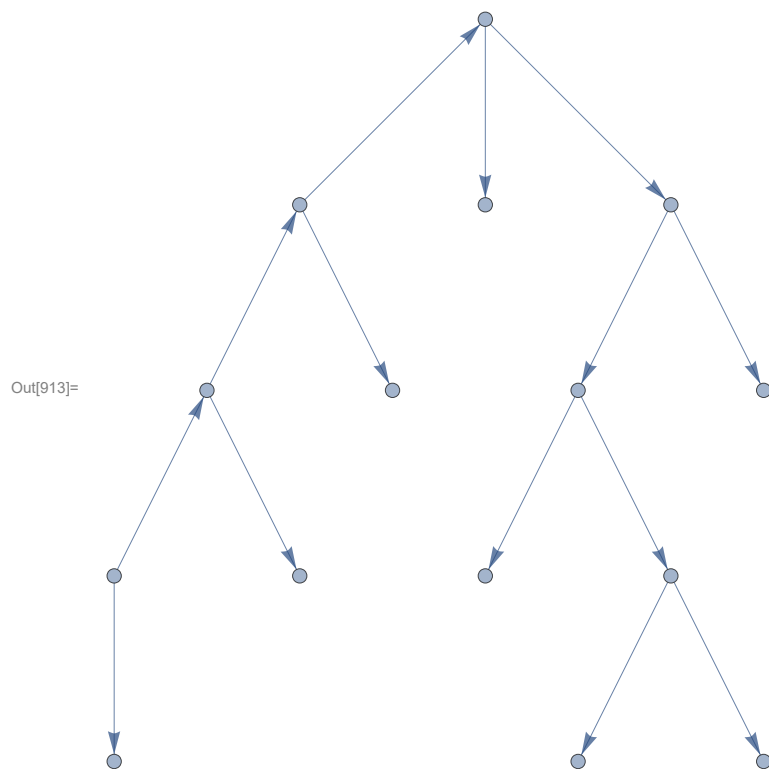


$$\text{Out[907]} = \left\{ -x^2 + x^4 - x^6 + G^5 x^9 + G \left(2x - 4x^3 + 6x^5 - x^7 \right) + \right. \\ \left. G^3 \left(3x^3 - 6x^5 + 6x^7 \right) + G^2 \left(-1 + 3x^2 - 9x^4 + 6x^6 - x^8 \right) + G^4 \left(x^4 - 4x^6 + 2x^8 \right) \right\}$$

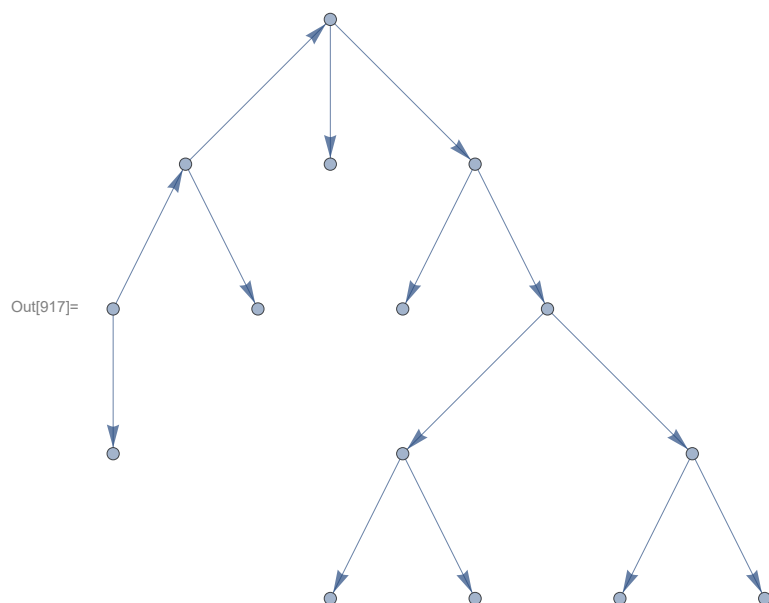
Out[909]=



$$\text{Out[911]} = \left\{ x^5 + G^4 \left(-2x^3 + x^5 \right) + G^3 \left(1 - 4x^2 + 6x^4 - 2x^6 \right) + G \left(-4x^4 + 2x^6 \right) + G^2 \left(-x + 6x^3 - 6x^5 + x^7 \right) \right\}$$

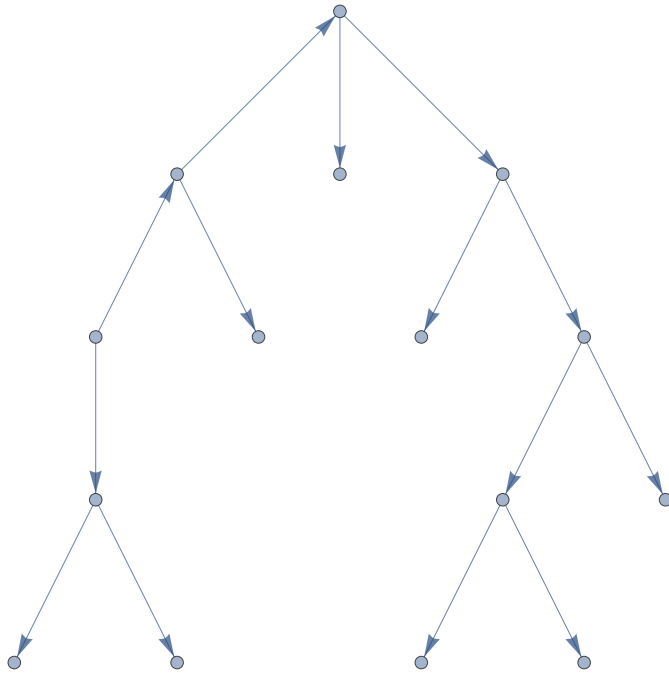


$$\text{Out[915]} = \left\{ 2 G^4 x^3 - x^5 + x^7 + G^3 (-1 + 4 x^2 - 7 x^4) + G^2 (x - 6 x^3 + 9 x^5) + G (4 x^4 - 5 x^6) \right\}$$



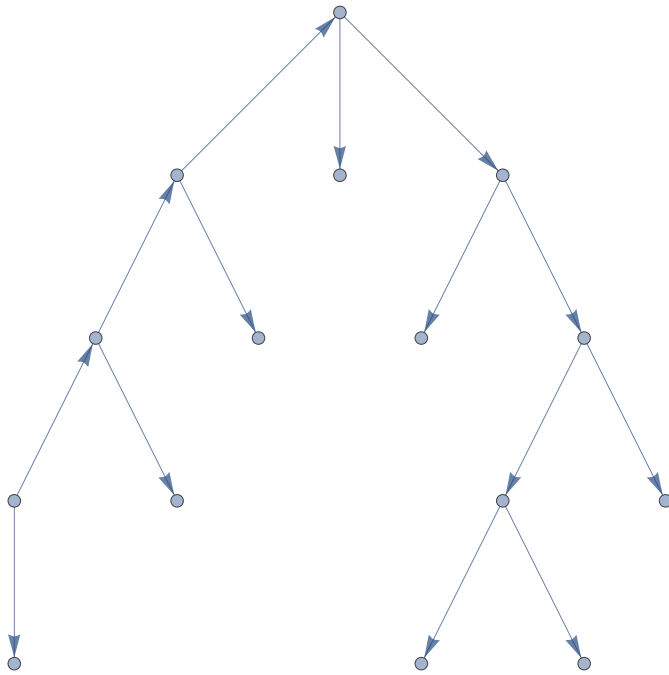
$$\text{Out[919]} = \left\{ G^5 x^3 + x^6 + G^4 (-1 + 5 x^2 - 4 x^4) + G^3 (x - 10 x^3 + 6 x^5) + G^2 (10 x^4 - 4 x^6) + G (-5 x^5 + x^7) \right\}$$

Out[921]=

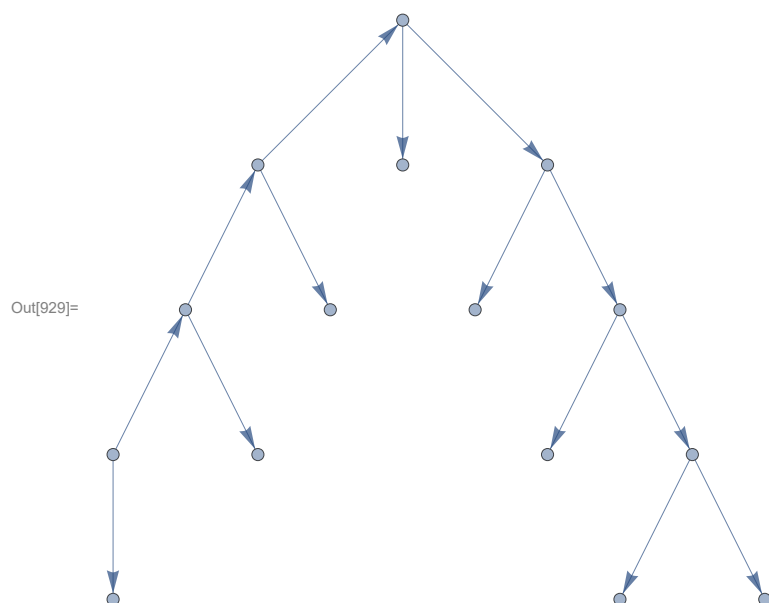


$$\text{Out[923]} = \left\{ -x^3 + x^5 + G \left(3x^2 - 4x^4 + 4x^6 \right) + G^2 \left(-3x + 5x^3 - 12x^5 + 6x^7 \right) + G^3 \left(1 - 2x^2 + 12x^4 - 12x^6 + 4x^8 \right) + G^4 \left(-4x^3 + 6x^5 - 4x^7 + x^9 \right) \right\}$$

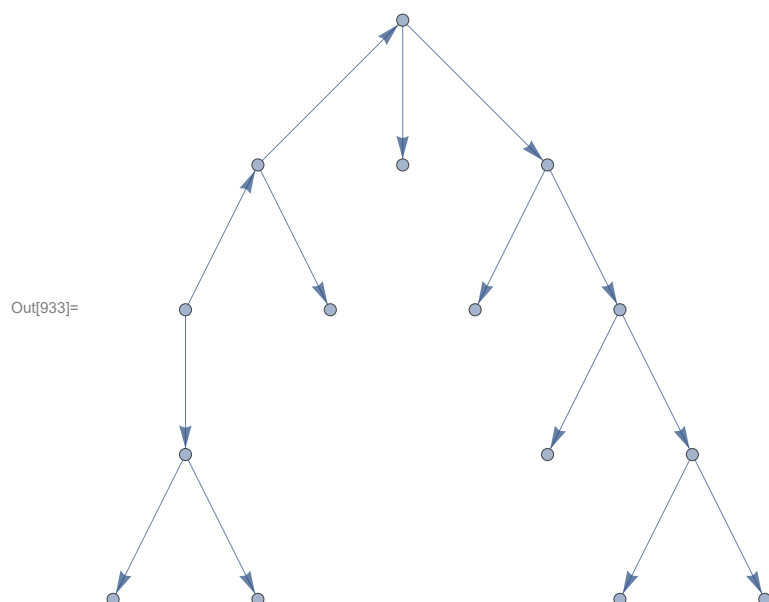
Out[925]=



$$\text{Out[927]} = \left\{ G^5 x^3 + x^6 + G^4 \left(-1 + 5x^2 - 4x^4 \right) + G^3 \left(x - 10x^3 + 6x^5 \right) + G^2 \left(10x^4 - 4x^6 \right) + G \left(-5x^5 + x^7 \right) \right\}$$

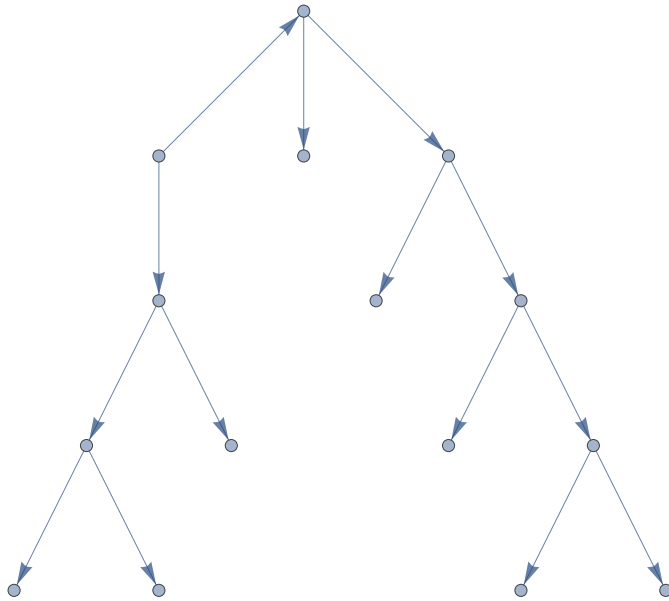


$$\text{Out[931]} = \left\{ -20 G^3 x^4 + 15 G^2 x^5 - 6 G x^6 + x^7 + G^5 (1 - 6 x^2) + G^4 (-x + 15 x^3) \right\}$$



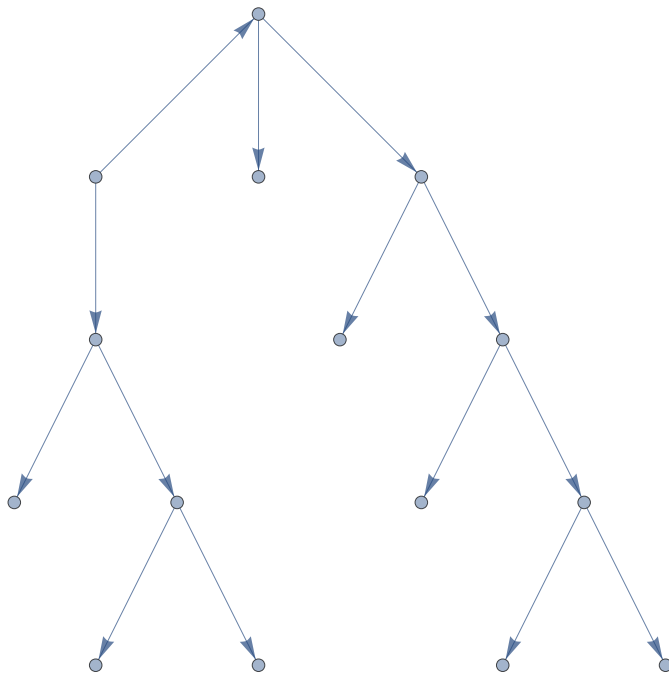
$$\text{Out[935]} = \left\{ -x^3 + x^5 + G (3 x^2 - 4 x^4 + 4 x^6) + G^2 (-3 x + 5 x^3 - 12 x^5 + 6 x^7) + G^3 (1 - 2 x^2 + 12 x^4 - 12 x^6 + 4 x^8) + G^4 (-4 x^3 + 6 x^5 - 4 x^7 + x^9) \right\}$$

Out[937]=

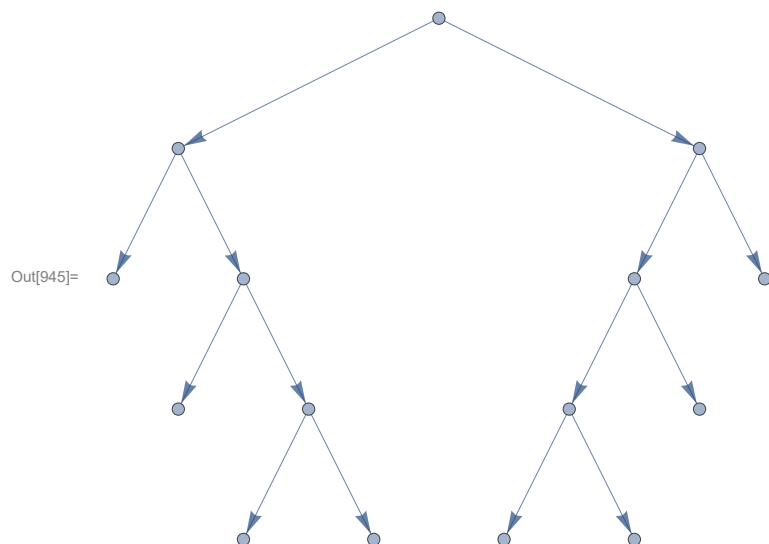


$$\text{Out[939]} = \left\{ -x^2 + x^4 - 2x^6 + G^5 x^9 + G(2x - 4x^3 + 9x^5 - 3x^7) + \right. \\ \left. G^3(4x^3 - 6x^5 + 5x^7) + G^2(-1 + 3x^2 - 12x^4 + 9x^6 - 2x^8) + G^4(-2x^6 + x^8) \right\}$$

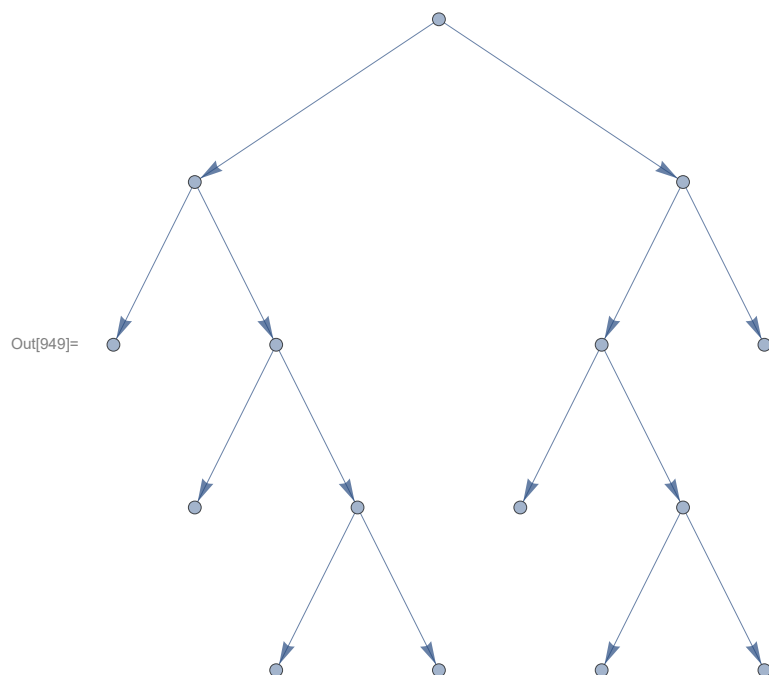
Out[941]=



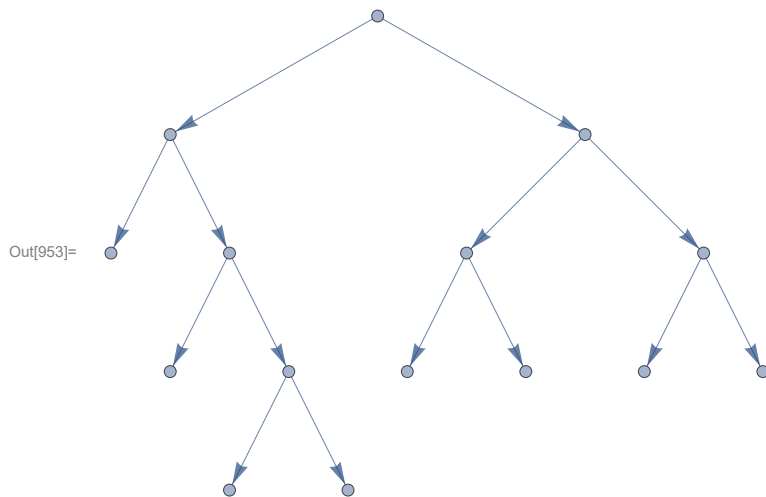
$$\text{Out[943]} = \left\{ -x + x^3 + G^4 x^7 + G(1 - 2x^2 + 2x^4) + G^2(-2x^3 + 3x^5) + G^3(-2x^4 + 2x^6) \right\}$$



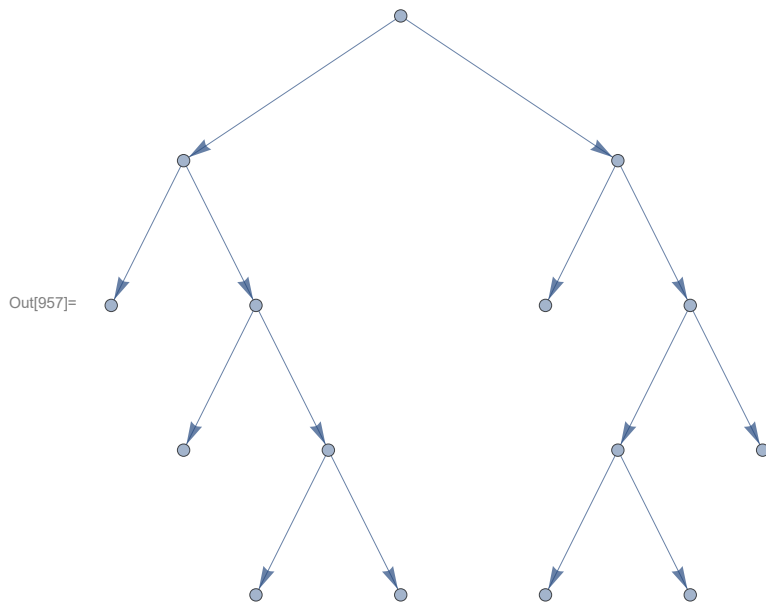
$$\text{Out[947]} = \left\{ x - x^3 + 2x^5 + x^9 + G^3(-x^6 + x^{10}) + G(-1 + 2x^2 - 6x^4 + 2x^6 - 3x^8 + 2x^{10}) + G^2(4x^3 - 3x^5 + 3x^7 - 3x^9 + x^{11}) + G^4(-2x^9 + x^{11}) \right\}$$



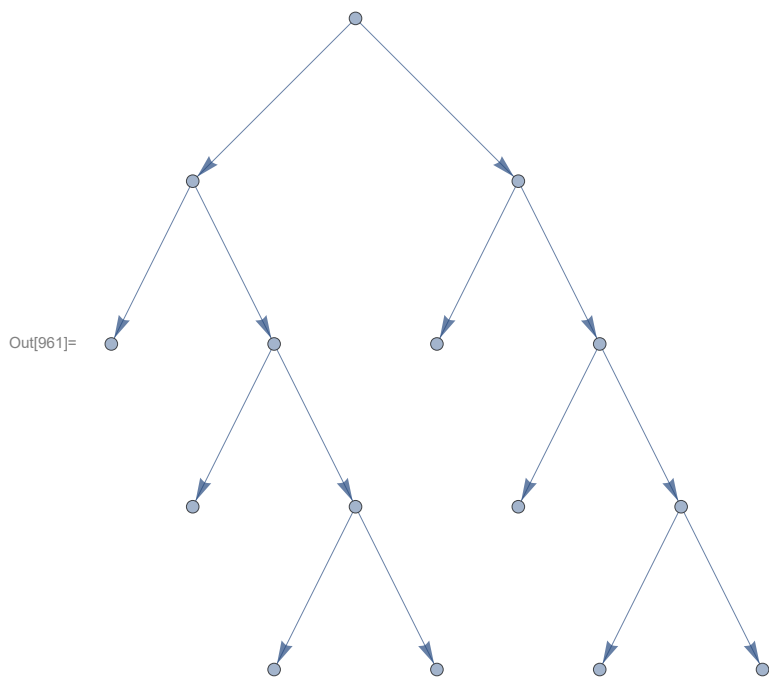
$$\text{Out[951]} = \left\{ -x + x^3 - x^5 + G^4x^7 + G^2(-3x^3 + 3x^5) + G(1 - 2x^2 + 4x^4 - x^6) + G^3(-x^4 + x^6) \right\}$$



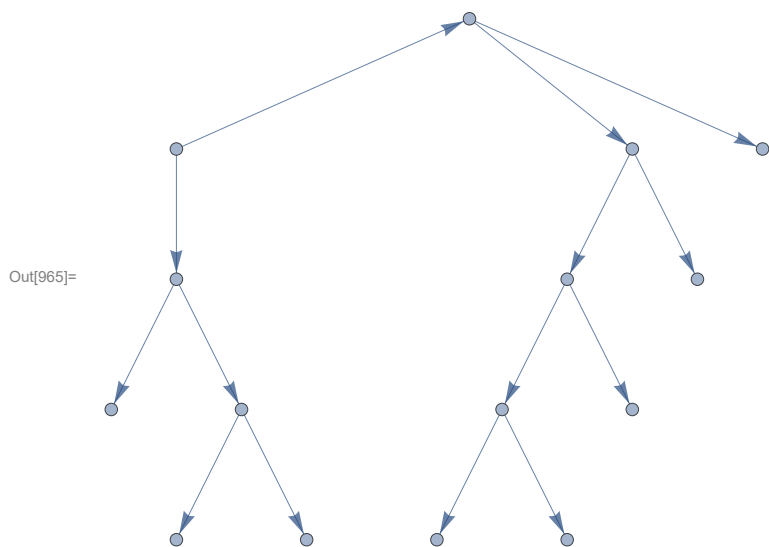
$$\text{Out[953]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$



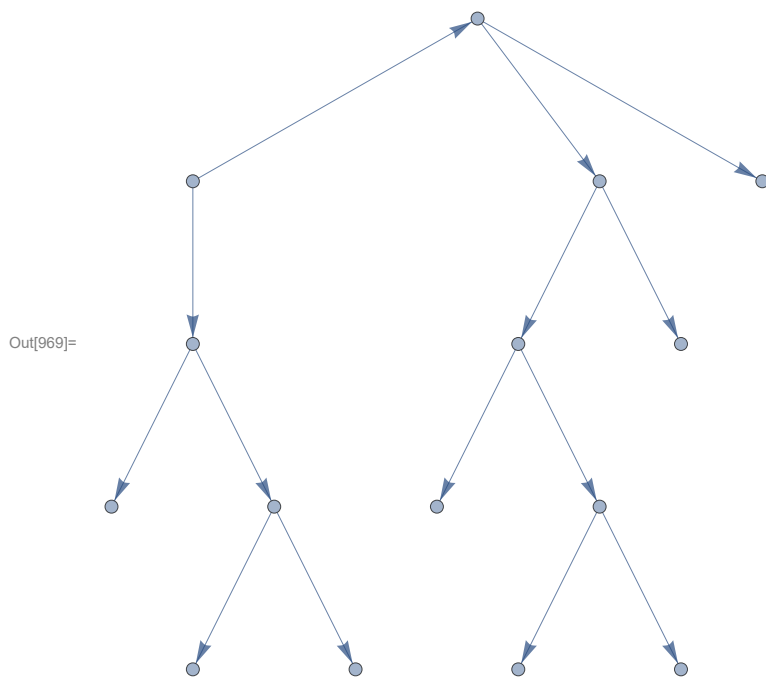
$$\text{Out[959]} = \left\{ x - x^3 + x^7 + G (-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8) + G^2 (2x^3 - 6x^7 + 5x^9) + G^3 (x^4 + x^6 - 7x^8 + 5x^{10}) + G^4 (x^7 - 4x^9 + 3x^{11}) + G^5 (-x^{10} + x^{12}) \right\}$$



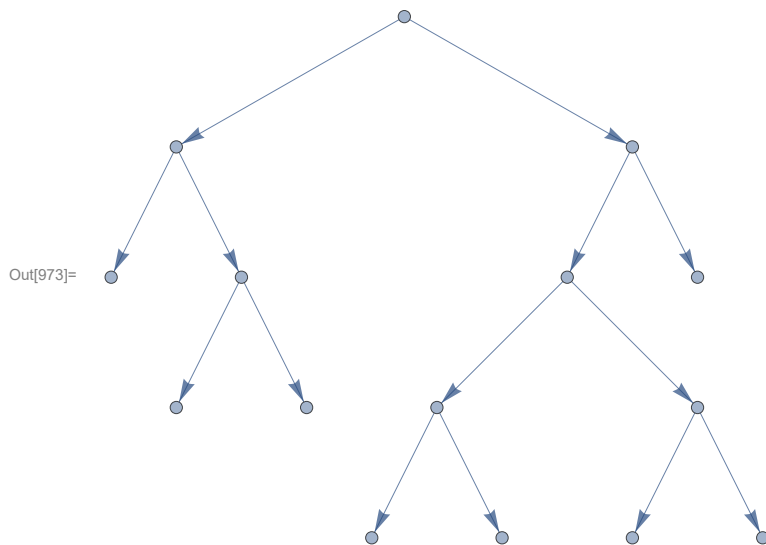
$$\text{Out}[963]= \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2 x^2 + 2 x^4 \right) + G^2 \left(-2 x^3 + 3 x^5 \right) + G^3 \left(-2 x^4 + 2 x^6 \right) \right\}$$



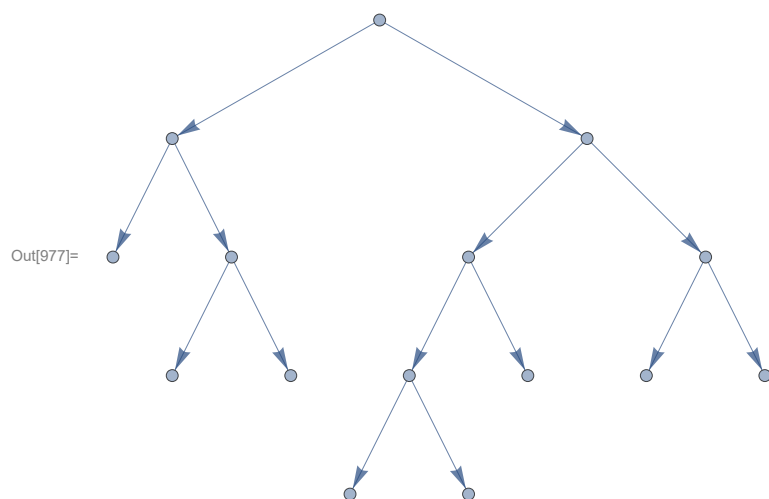
$$\text{Out[967]} = \left\{ -x^2 + x^4 - 2x^6 + G^5 x^9 + G \left(2x - 4x^3 + 9x^5 - 3x^7 \right) + \right. \\ \left. G^3 \left(4x^3 - 6x^5 + 5x^7 \right) + G^2 \left(-1 + 3x^2 - 12x^4 + 9x^6 - 2x^8 \right) + G^4 \left(-2x^6 + x^8 \right) \right\}$$



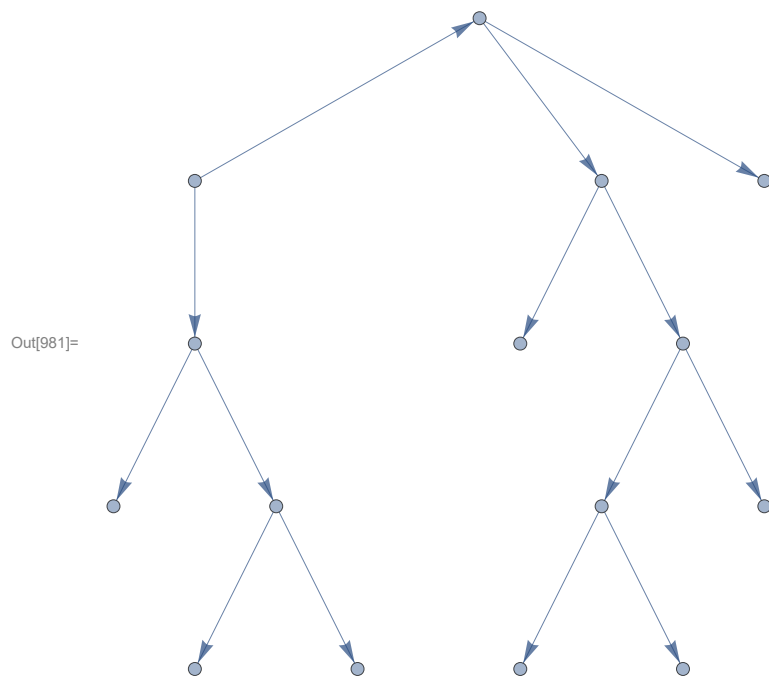
$$\text{Out[971]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2 (-3x^3 + 3x^5) + G(1 - 2x^2 + 4x^4 - x^6) + G^3(-x^4 + x^6) \right\}$$



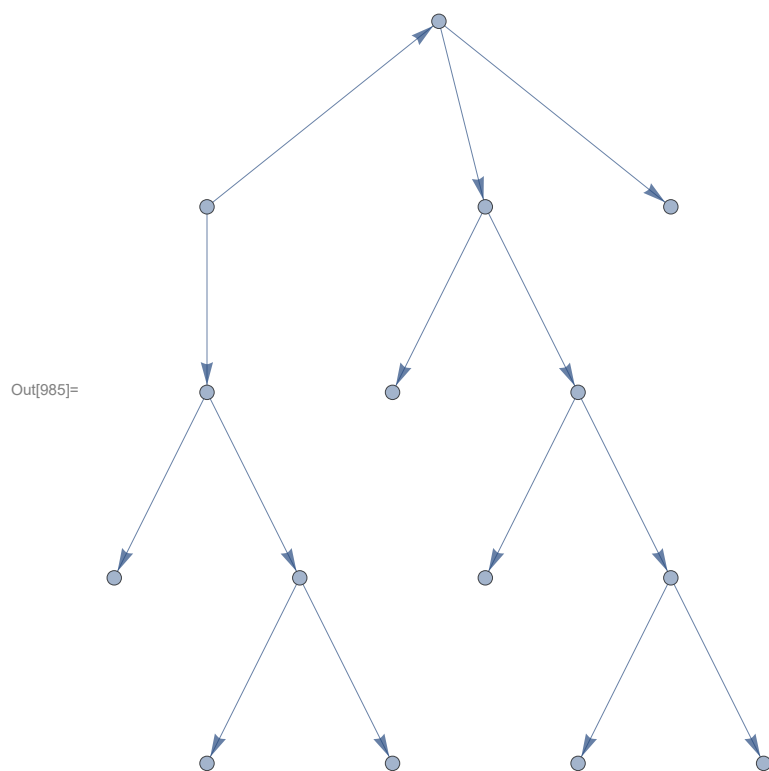
$$\text{Out[975]} = \left\{ x - x^3 + x^5 + G^3(x^4 - 2x^6) + G(-1 + 2x^2 - 4x^4 + x^6) + G^2(3x^3 - 3x^5 + x^7) \right\}$$



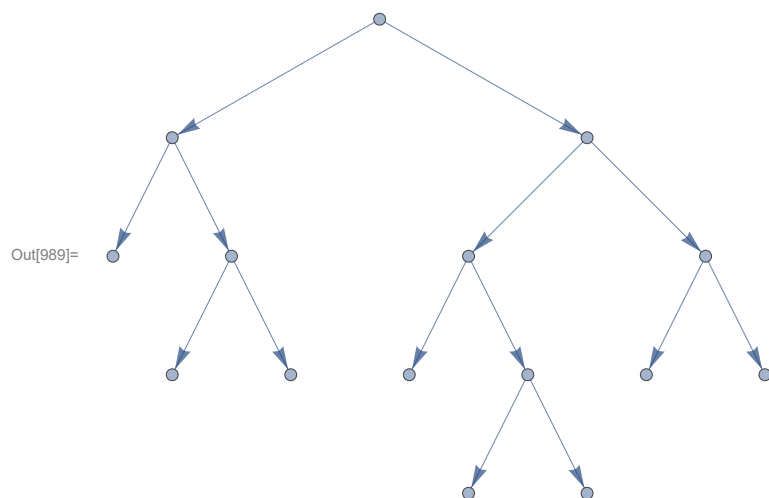
$$\text{Out[979]} = \left\{ x - x^3 + 2x^5 - G^3 x^6 + G(-1 + 2x^2 - 6x^4 + 2x^6) + G^2(4x^3 - 3x^5 + x^7) \right\}$$



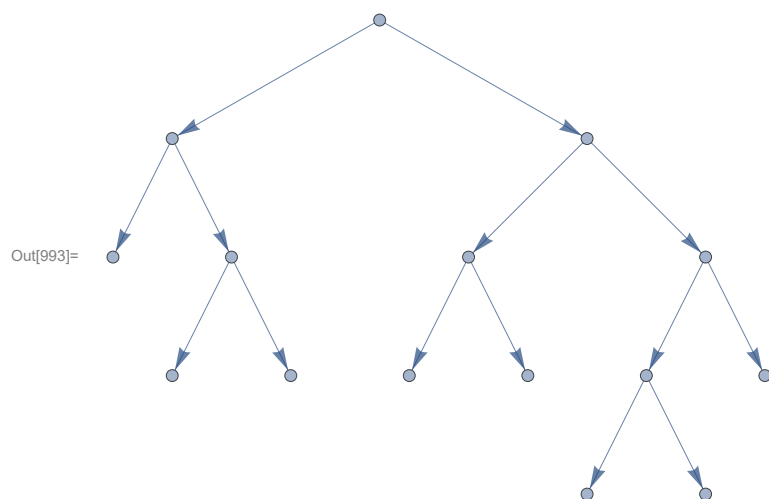
$$\text{Out[983]} = \left\{ -x + x^3 + G^4 x^7 + G(1 - 2x^2 + 2x^4) + G^2(-2x^3 + 3x^5) + G^3(-2x^4 + 2x^6) \right\}$$



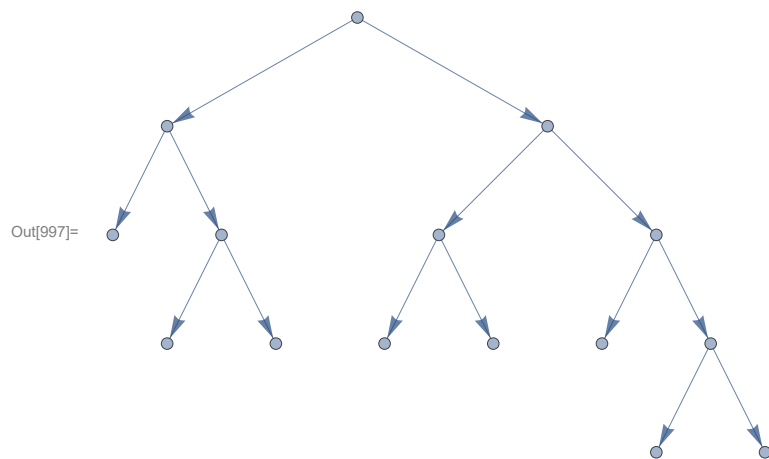
$$\text{Out[987]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2 \left(-3 x^3 + 3 x^5 \right) + G \left(1 - 2 x^2 + 4 x^4 - x^6 \right) + G^3 \left(-x^4 + x^6 \right) \right\}$$



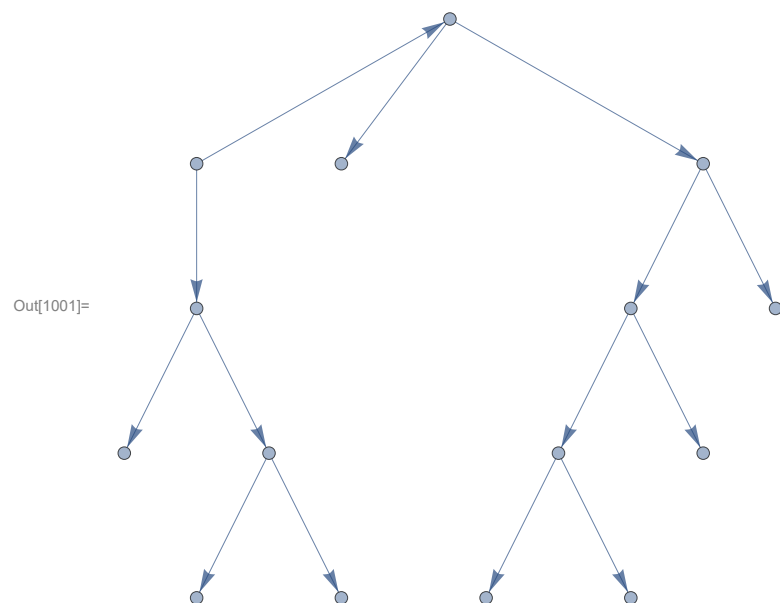
$$\text{Out[991]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2 x^2 - 4 x^4 + 2 x^6 \right) + G^2 \left(3 x^3 - 4 x^5 + x^7 \right) \right\}$$



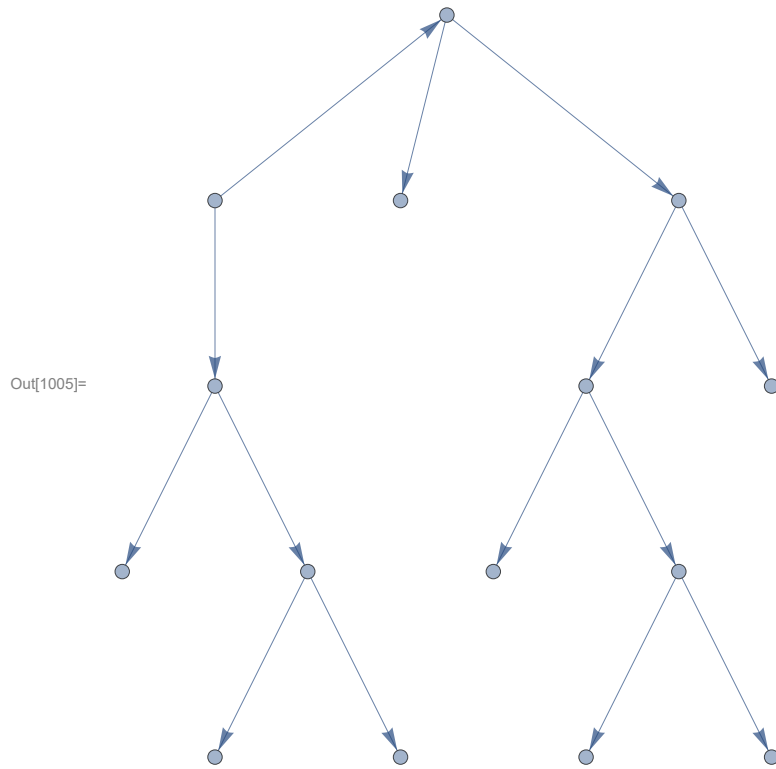
$$\text{Out[995]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



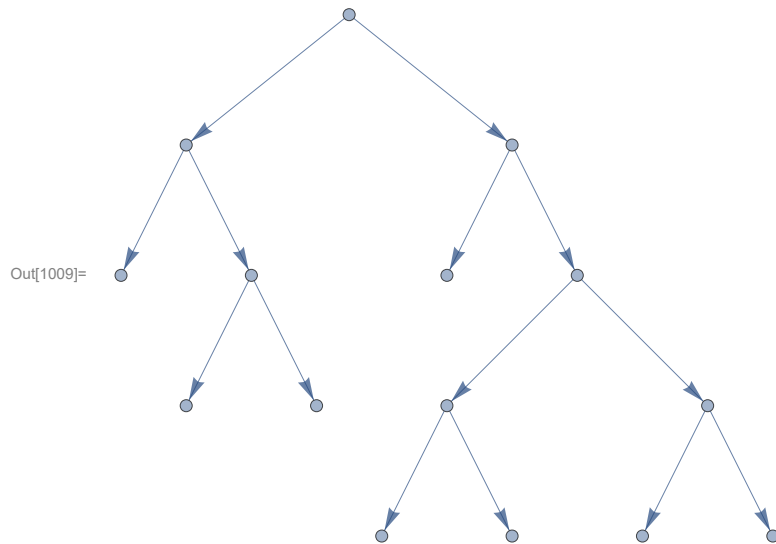
$$\text{Out[999]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



$$\text{Out}[1003]= \left\{ x - x^3 + x^5 + x^7 - x^9 + G^5 x^{12} + G \left(-1 + 2x^2 - 4x^4 - 2x^6 + 6x^8 - x^{10} \right) + \right. \\ \left. G^3 \left(3x^6 - 6x^8 + 6x^{10} \right) + G^2 \left(3x^3 - 9x^7 + 6x^9 - x^{11} \right) + G^4 \left(-4x^9 + 2x^{11} \right) \right\}$$

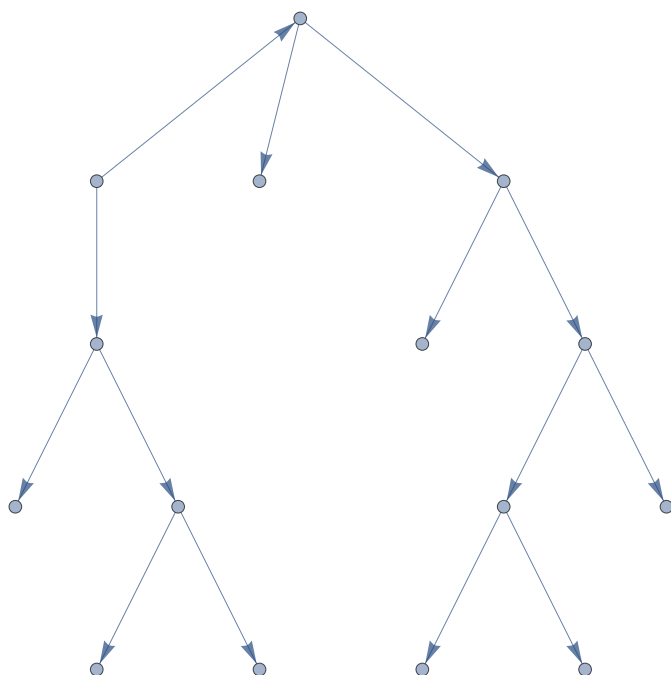


$$\text{Out}[1007]= \left\{ x - x^3 + x^7 + G \left(-1 + 2x^2 - 2x^4 - 3x^6 + 4x^8 \right) + G^2 \left(2x^3 + x^5 - 9x^7 + 7x^9 \right) + \right. \\ \left. G^3 \left(4x^6 - 11x^8 + 7x^{10} \right) + G^4 \left(3x^7 - 7x^9 + 4x^{11} \right) + G^5 \left(x^8 - 2x^{10} + x^{12} \right) \right\}$$



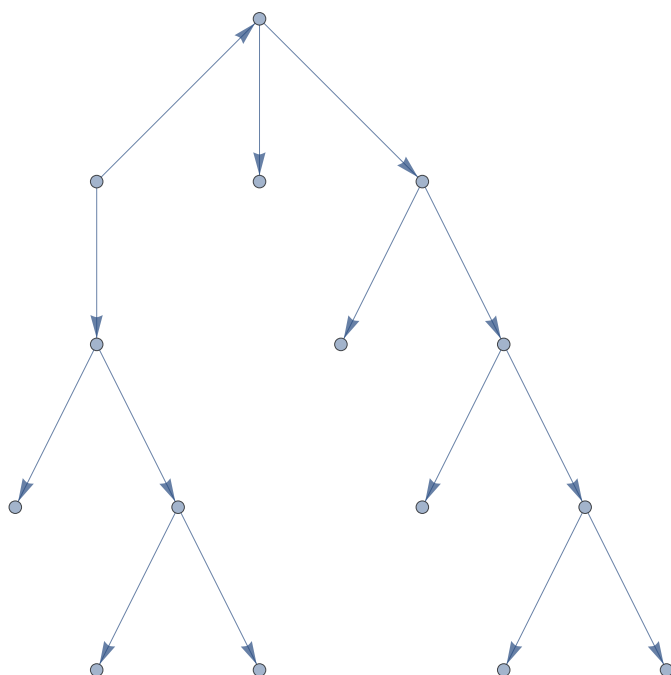
$$\text{Out}[1011]= \left\{ -x + x^3 - x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 5x^8 - 2x^{10} \right) + \right. \\ \left. G \left(1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10} \right) + G^2 \left(-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11} \right) \right\}$$

Out[1013]=



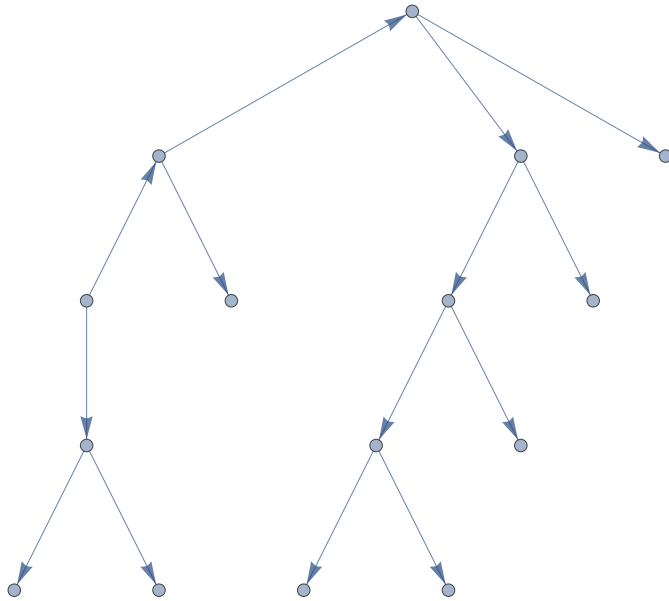
$$\text{Out[1015]} = \left\{ -x + x^3 - x^5 + x^7 - x^9 + x^{11} + x^{15} + G \left(1 - 2x^2 + 4x^4 - 4x^6 + 5x^8 - 8x^{10} + 3x^{12} - 5x^{14} + 5x^{16} \right) + \right. \\ \left. G^2 \left(-3x^3 + 5x^5 - 6x^7 + 16x^9 - 15x^{11} + 12x^{13} - 20x^{15} + 10x^{17} \right) + \right. \\ \left. G^3 \left(-x^4 + 2x^6 - 9x^8 + 18x^{10} - 17x^{12} + 28x^{14} - 30x^{16} + 10x^{18} \right) + \right. \\ \left. G^4 \left(x^7 - 5x^9 + 8x^{11} - 16x^{13} + 27x^{15} - 20x^{17} + 5x^{19} \right) + G^5 \left(2x^{12} - 7x^{14} + 9x^{16} - 5x^{18} + x^{20} \right) \right\}$$

Out[1017]=



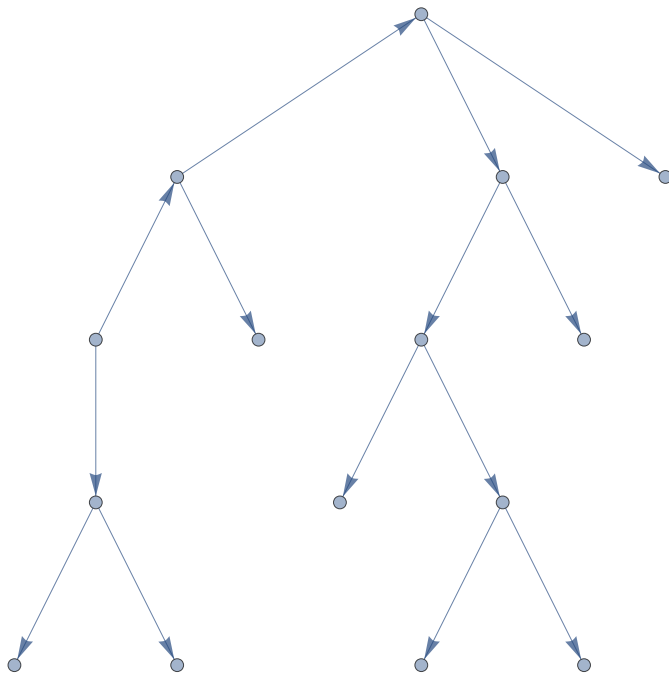
$$\text{Out[1019]} = \left\{ -x + x^3 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 2x^5 \right) + G^3 \left(-x^4 + 2x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$

Out[1021]=

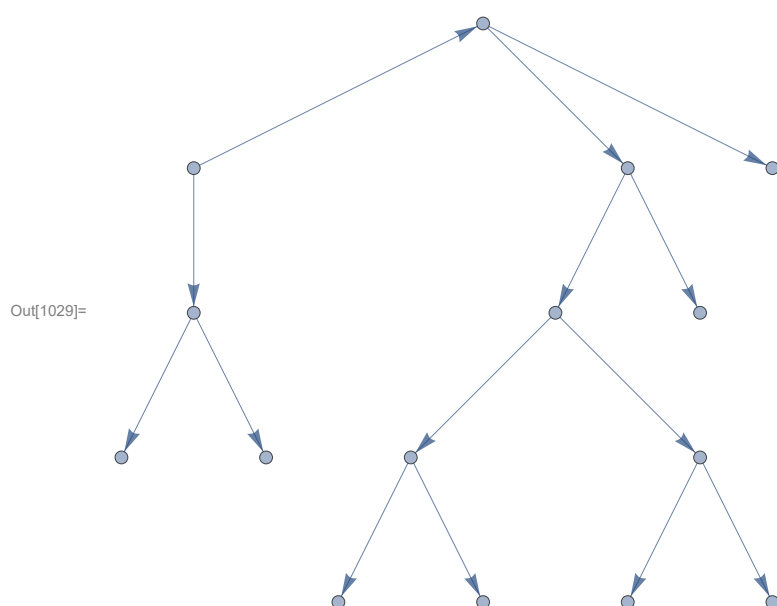


$$\text{Out[1023]} = \left\{ -x^3 + x^5 + G \left(3x^2 - 4x^4 + 4x^6 \right) + G^2 \left(-3x + 5x^3 - 12x^5 + 6x^7 \right) + G^3 \left(1 - 2x^2 + 12x^4 - 12x^6 + 4x^8 \right) + G^4 \left(-4x^3 + 6x^5 - 4x^7 + x^9 \right) \right\}$$

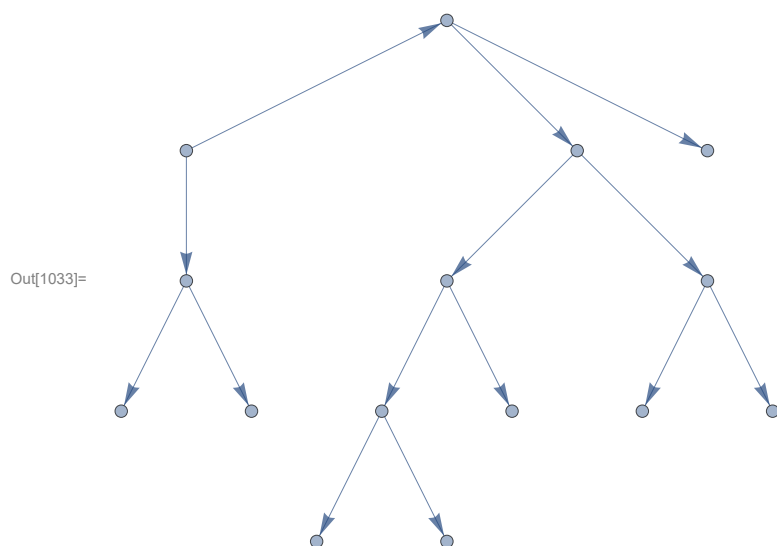
Out[1025]=



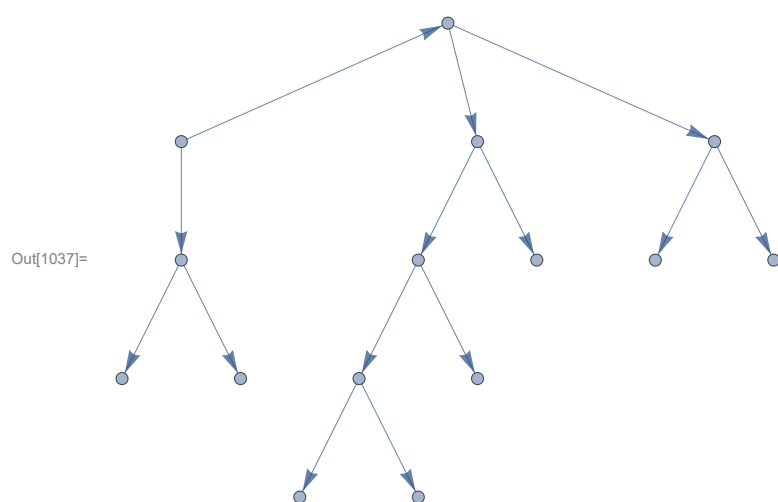
$$\text{Out[1027]} = \left\{ -x^3 + x^5 + G \left(3x^2 - 4x^4 + 4x^6 \right) + G^2 \left(-3x + 5x^3 - 12x^5 + 6x^7 \right) + G^3 \left(1 - 2x^2 + 12x^4 - 12x^6 + 4x^8 \right) + G^4 \left(-4x^3 + 6x^5 - 4x^7 + x^9 \right) \right\}$$



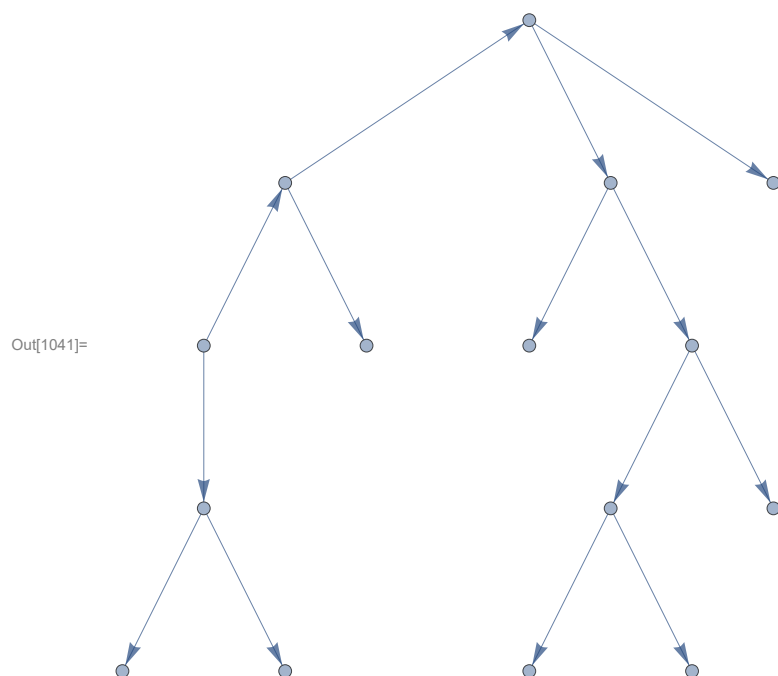
$$\text{Out[1031]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$



$$\text{Out[1035]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$

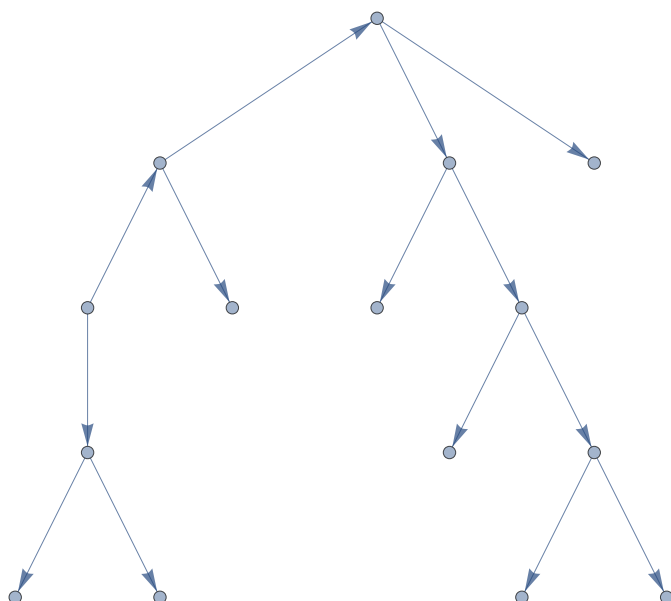


$$\text{Out[1039]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$



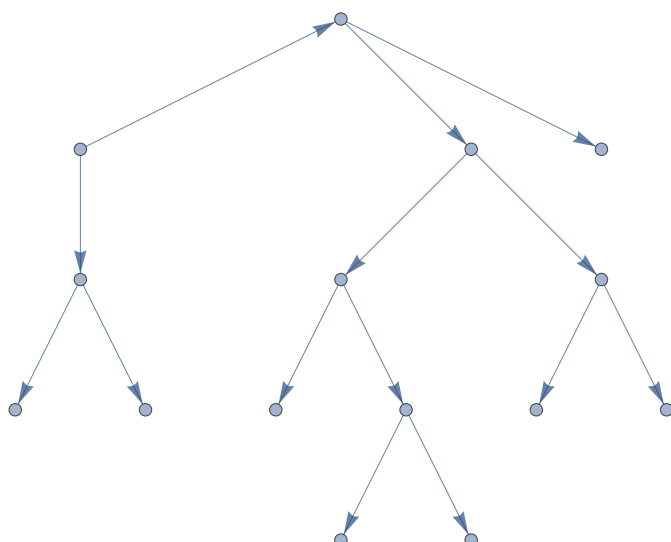
$$\text{Out[1043]} = \left\{ -x^2 + x^4 + G \left(2x - 3x^3 + 3x^5 \right) + G^2 \left(-1 + 2x^2 - 6x^4 + 4x^6 \right) + G^3 \left(3x^3 - 5x^5 + 3x^7 \right) + G^4 \left(x^4 - 2x^6 + x^8 \right) \right\}$$

Out[1045]=



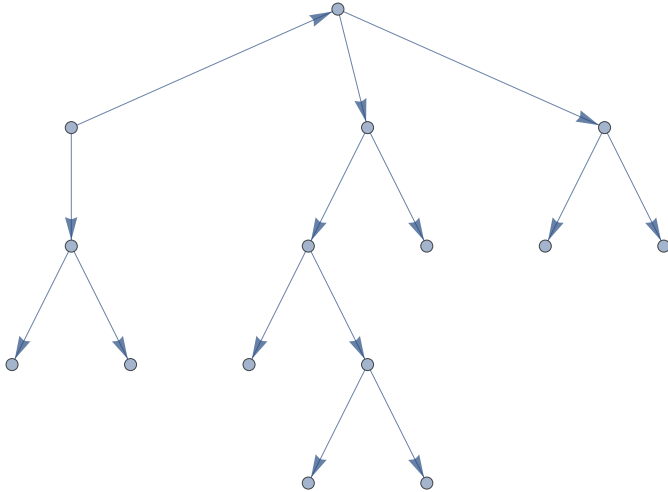
$$\text{Out[1047]} = \left\{ -x^2 + x^4 - x^6 + G^2 \left(-1 + 2x^2 - 9x^4 + 5x^6 \right) + \right. \\ \left. G \left(2x - 3x^3 + 6x^5 - x^7 \right) + G^3 \left(4x^3 - 4x^5 + 2x^7 \right) + G^4 \left(-x^6 + x^8 \right) \right\}$$

Out[1049]=



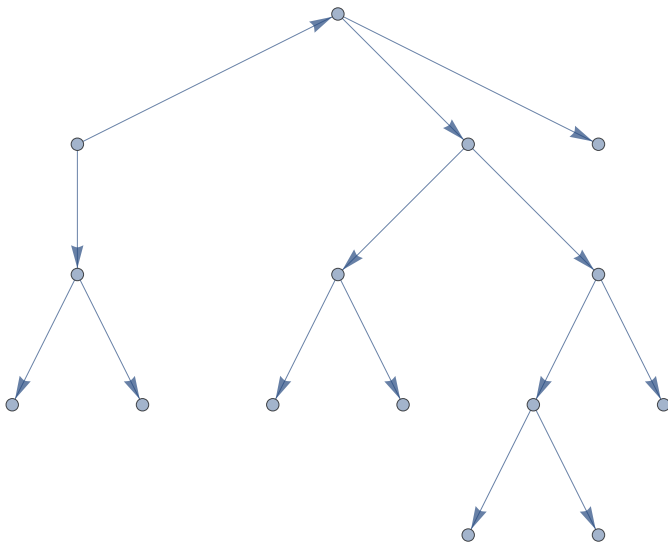
$$\text{Out[1051]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$

Out[1053]=



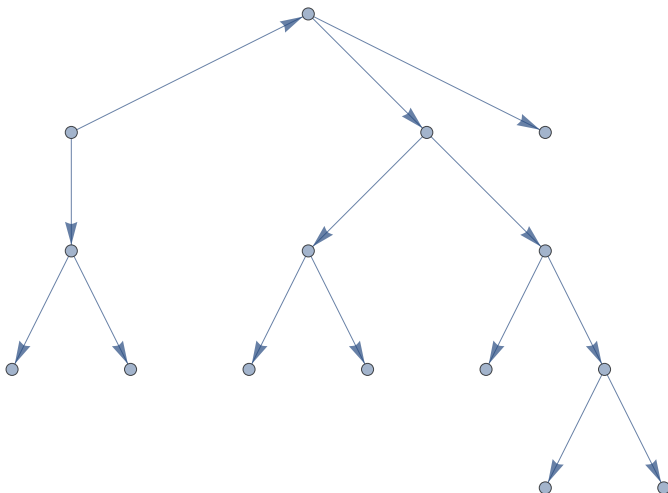
$$\text{Out[1053]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$

Out[1057]=



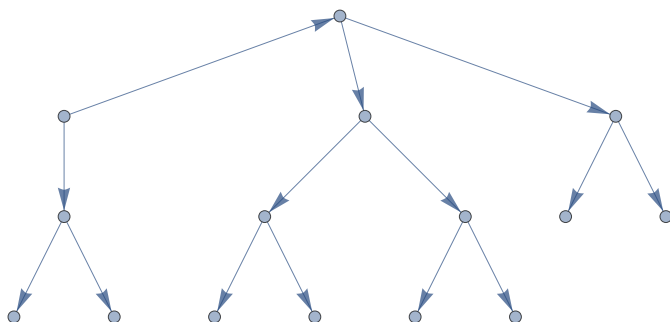
$$\text{Out[1059]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$

Out[1061]=



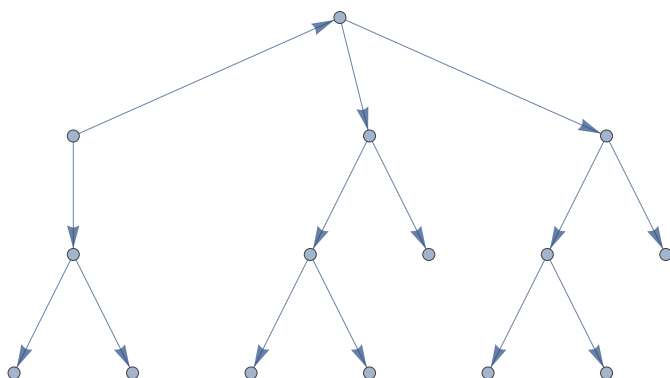
$$\text{Out[1063]} = \left\{ x - x^3 + 2x^5 - G^3 x^6 + G \left(-1 + 2x^2 - 6x^4 + 2x^6 \right) + G^2 \left(4x^3 - 3x^5 + x^7 \right) \right\}$$

Out[1065]=



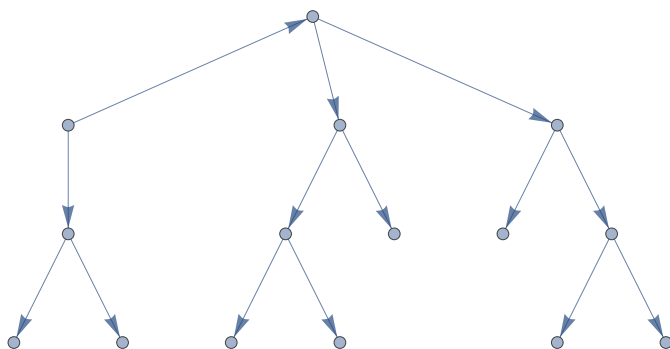
$$\text{Out[1067]} = \left\{ -x + x^3 - 2x^5 + x^7 + G^2(-4x^3 + 4x^5) + G(1 - 2x^2 + 6x^4 - 4x^6) \right\}$$

Out[1069]=



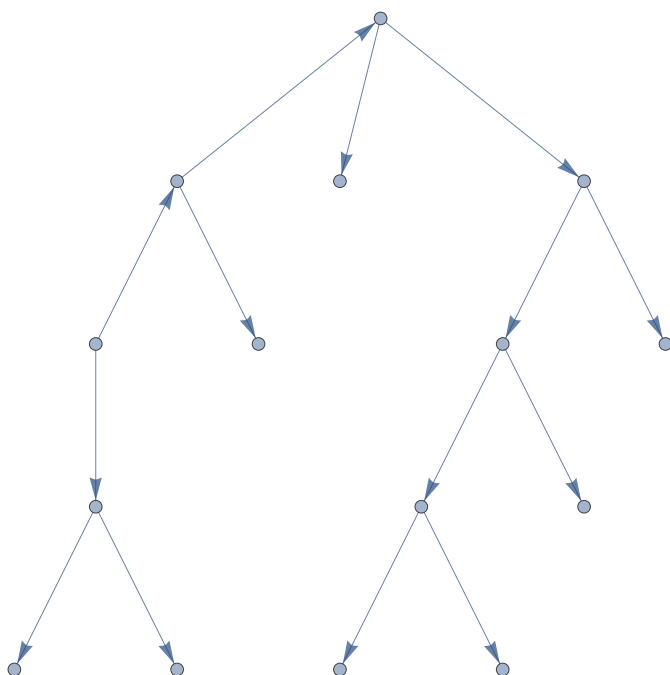
$$\text{Out[1071]} = \left\{ x - x^3 + x^5 + G^3(x^4 - x^6) + G(-1 + 2x^2 - 4x^4 + 2x^6) + G^2(3x^3 - 4x^5 + x^7) \right\}$$

Out[1073]=



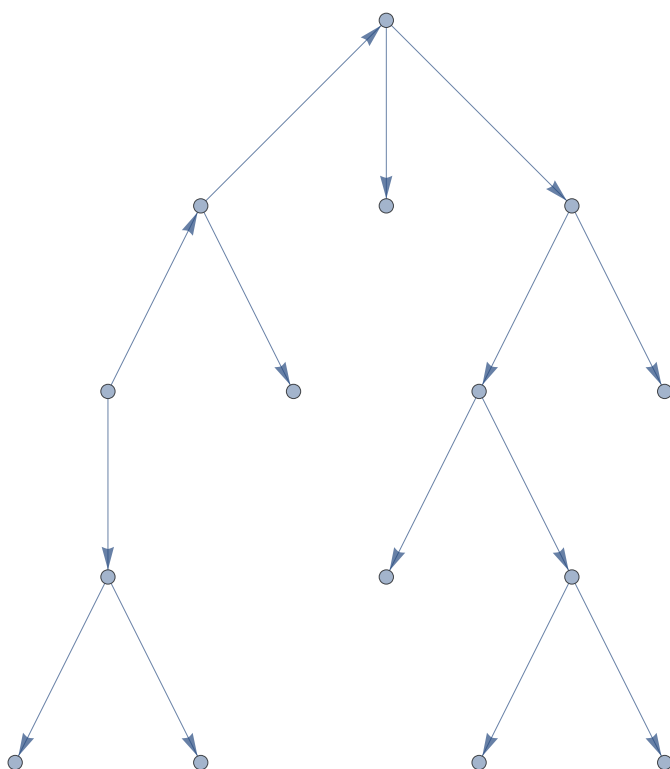
$$\text{Out[1075]} = \left\{ x - x^3 + x^5 + G^3(x^4 - x^6) + G(-1 + 2x^2 - 4x^4 + 2x^6) + G^2(3x^3 - 4x^5 + x^7) \right\}$$

Out[1077]=

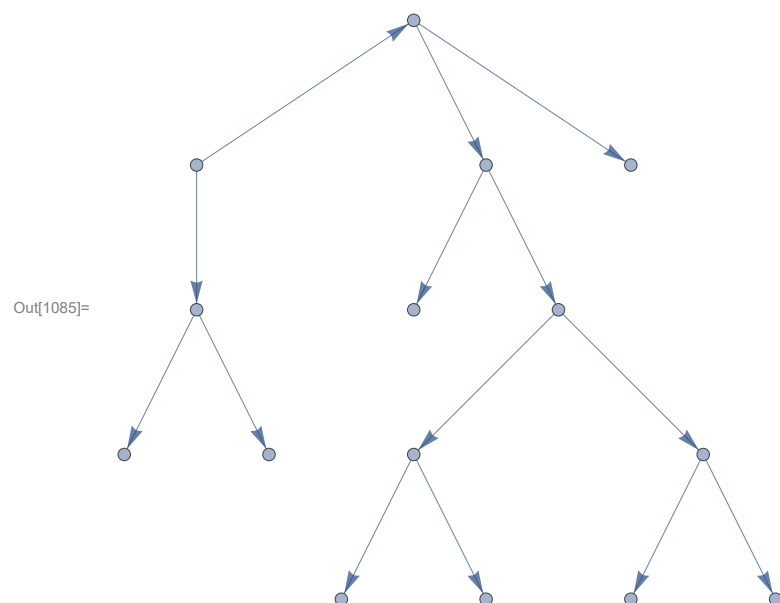


$$\text{Out[1079]} = \left\{ x^2 - x^4 + x^8 + G \left(-2x + 3x^3 - 2x^5 - 4x^7 + 4x^9 \right) + G^2 \left(1 - 2x^2 + 4x^4 + 3x^6 - 12x^8 + 6x^{10} \right) + G^3 \left(-2x^3 + x^5 + 9x^7 - 12x^9 + 4x^{11} \right) + G^4 \left(-x^4 - x^6 + 5x^8 - 4x^{10} + x^{12} \right) \right\}$$

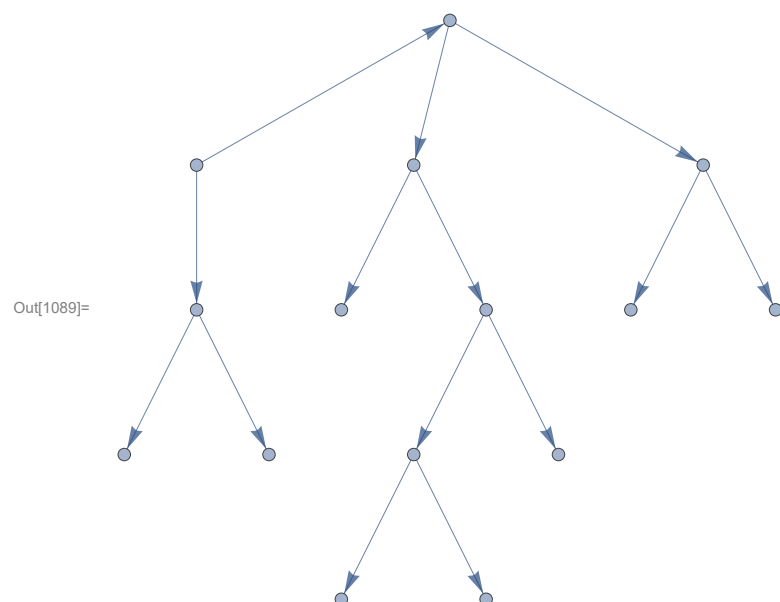
Out[1081]=



$$\text{Out[1083]} = \left\{ -x^2 + x^4 + G \left(2x - 3x^3 + 2x^5 \right) + G^2 \left(-1 + 2x^2 - 4x^4 + 3x^6 \right) + G^3 \left(2x^3 - 5x^5 + 3x^7 \right) + G^4 \left(2x^4 - 3x^6 + x^8 \right) \right\}$$

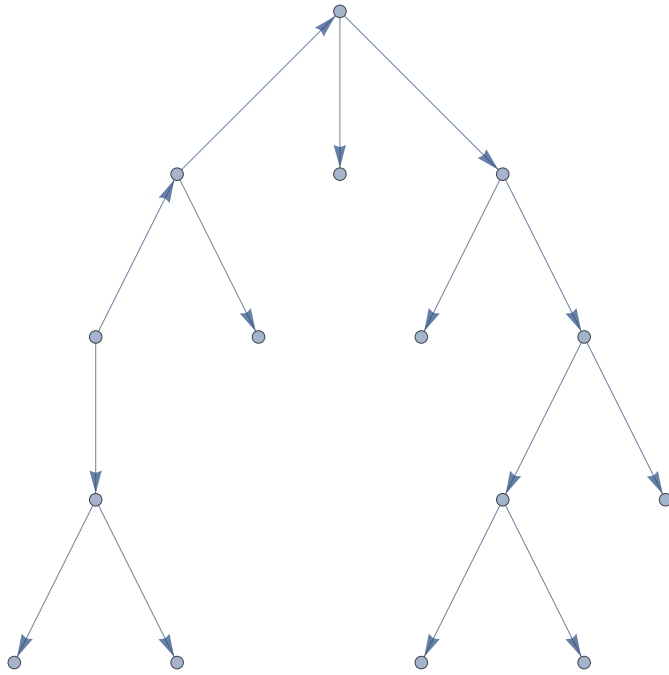


$$\text{Out[1087]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2 x^6) + G (-1 + 2 x^2 - 4 x^4 + x^6) + G^2 (3 x^3 - 3 x^5 + x^7) \right\}$$



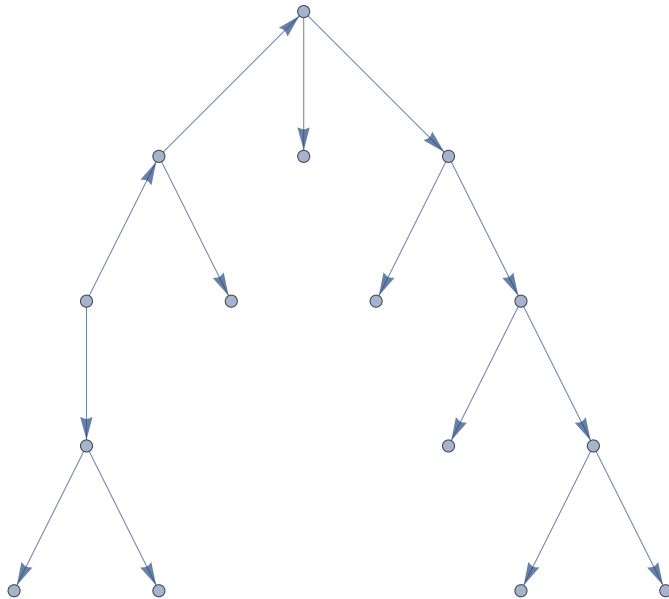
$$\text{Out[1091]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2 x^6) + G (-1 + 2 x^2 - 4 x^4 + x^6) + G^2 (3 x^3 - 3 x^5 + x^7) \right\}$$

Out[1093]=

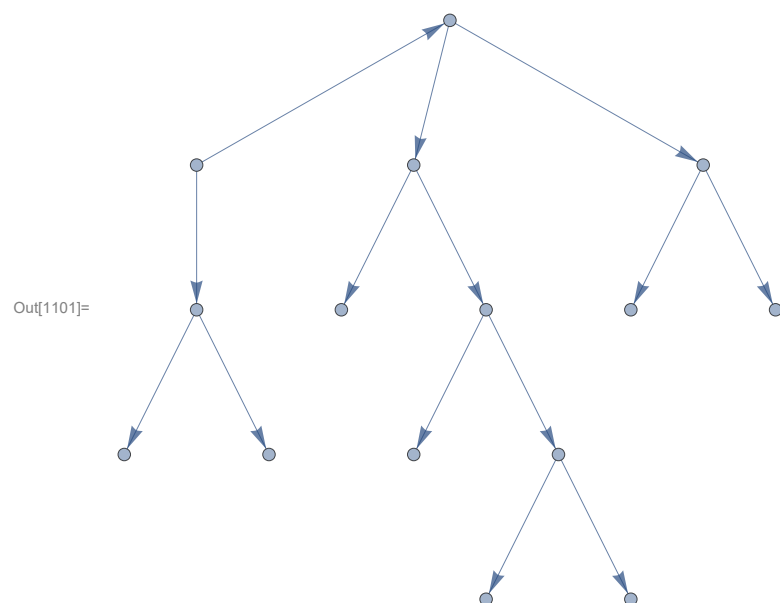


$$\text{Out[1095]} = \left\{ -x + x^3 - x^5 + G^4 x^7 + G^2 (-3x^3 + 3x^5) + G(1 - 2x^2 + 4x^4 - x^6) + G^3(-x^4 + x^6) \right\}$$

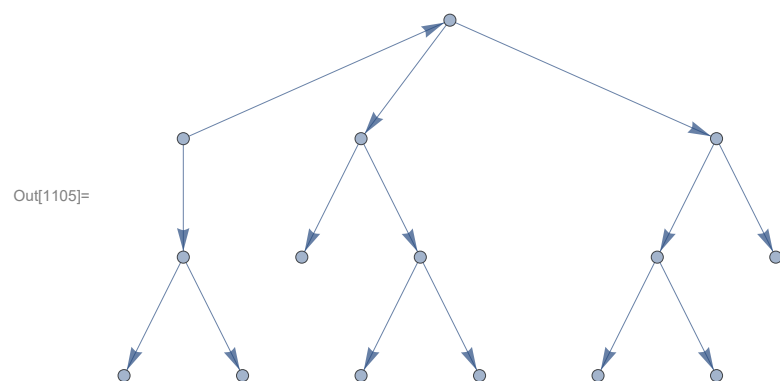
Out[1097]=



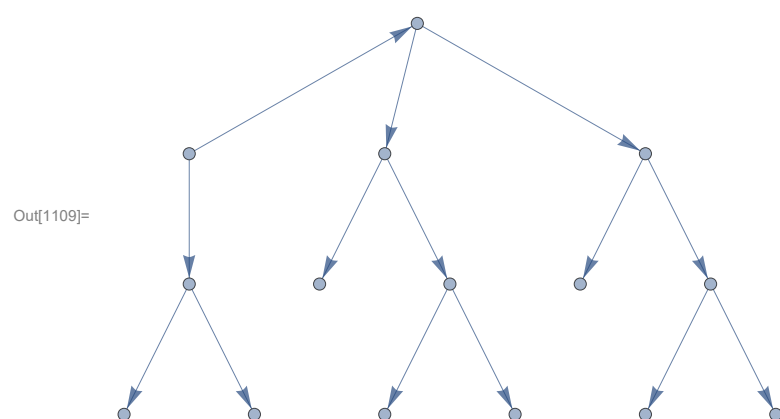
$$\text{Out[1099]} = \left\{ -x^2 + x^4 - 2x^6 + G^5 x^9 + G(2x - 4x^3 + 9x^5 - 3x^7) + \right. \\ \left. G^3(4x^3 - 6x^5 + 5x^7) + G^2(-1 + 3x^2 - 12x^4 + 9x^6 - 2x^8) + G^4(-2x^6 + x^8) \right\}$$



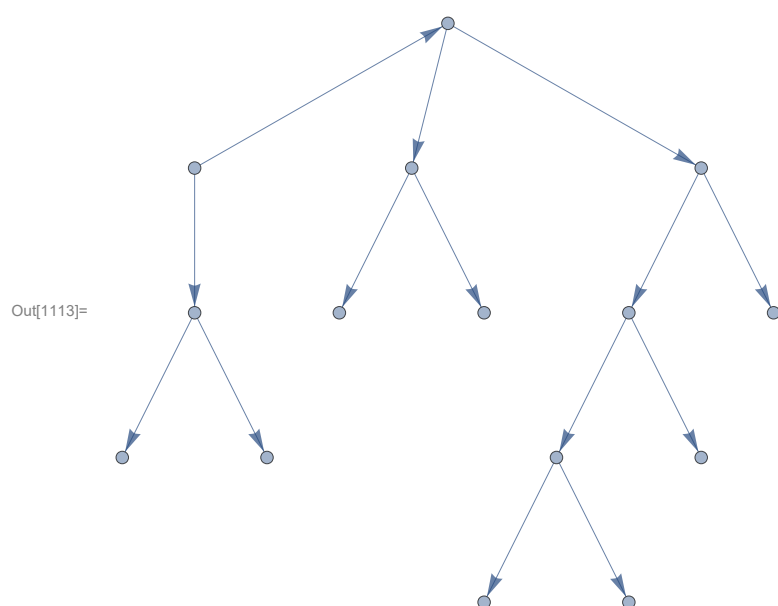
$$\text{Out[1103]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$



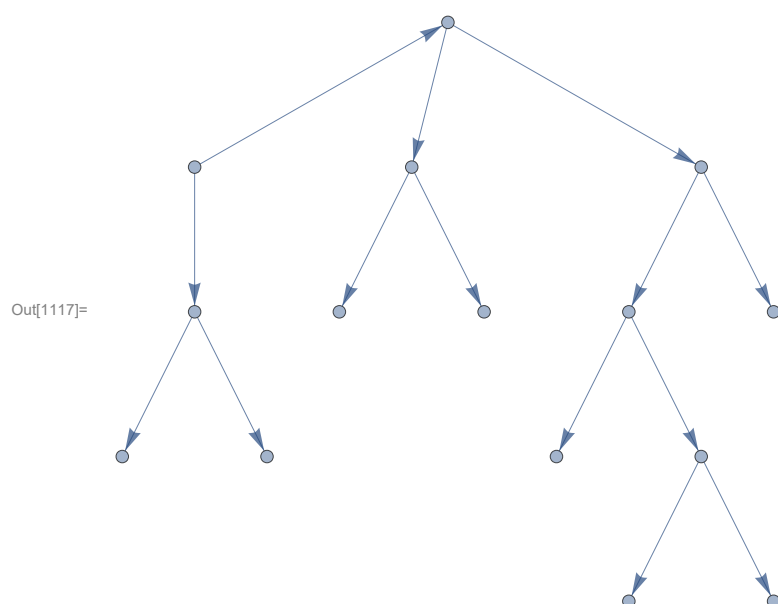
$$\text{Out[1107]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



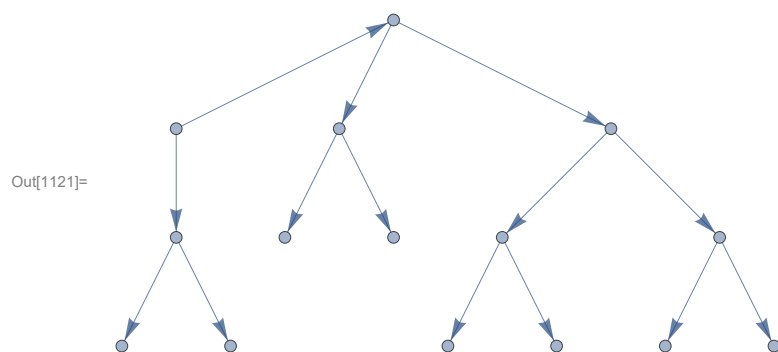
$$\text{Out[1111]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



$$\text{Out[1115]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

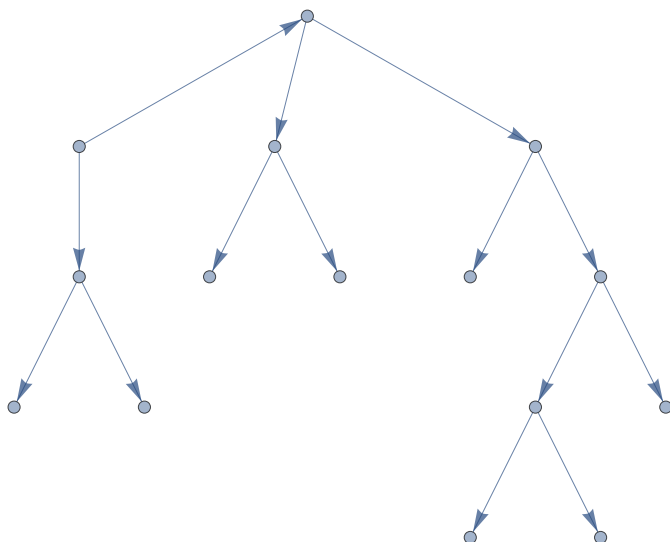


$$\text{Out[1119]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



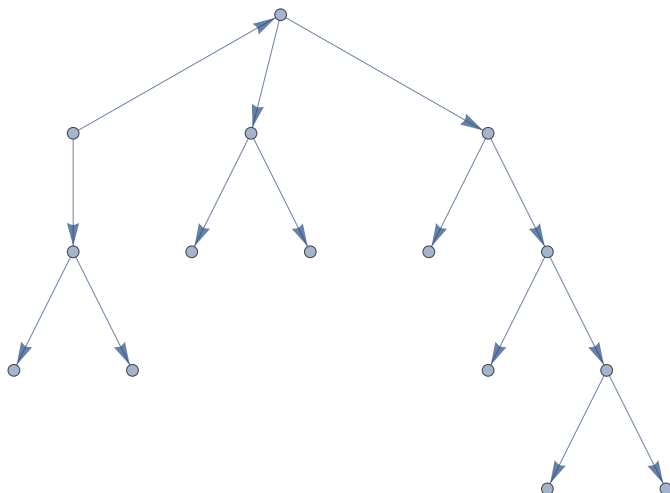
$$\text{Out[1123]} = \left\{ -x + x^3 - 2G^3 x^4 - x^5 + x^7 + G^2 (-2x^3 + 5x^5) + G (1 - 2x^2 + 3x^4 - 4x^6) \right\}$$

Out[1125]=



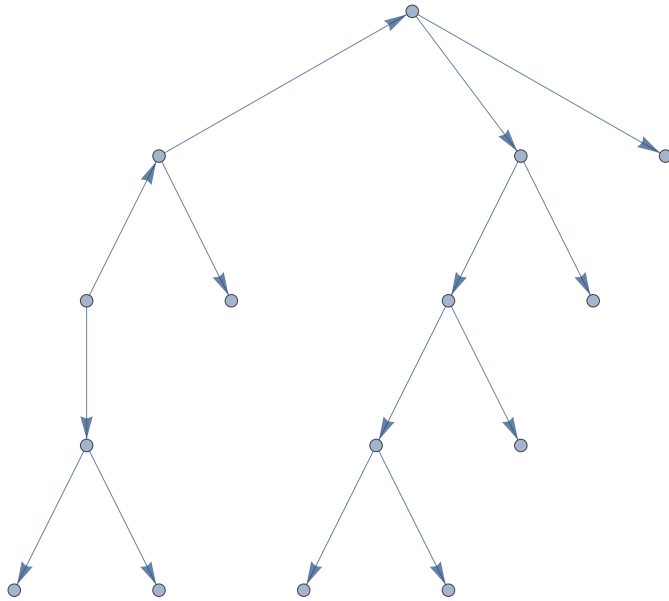
$$\text{Out[1127]} = \left\{ -x + x^3 - x^5 - G^4 x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 3x^8 \right) + \right. \\ \left. G^2 \left(-2x^3 + 2x^5 + 5x^7 - 3x^9 \right) + G \left(1 - 2x^2 + 3x^4 - x^6 - 4x^8 + x^{10} \right) \right\}$$

Out[1129]=



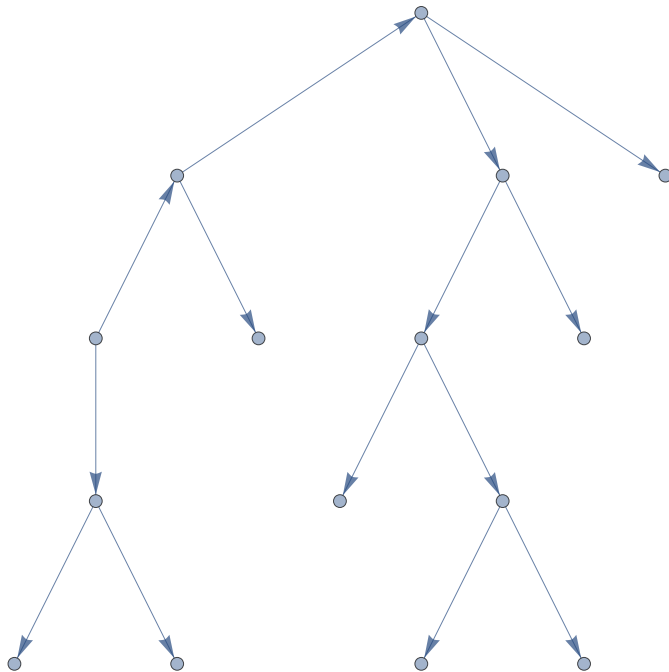
$$\text{Out[1131]} = \left\{ x - x^3 + x^5 + G^4 x^5 + G^3 \left(x^4 - 2x^6 \right) + G \left(-1 + 2x^2 - 3x^4 + x^6 \right) + G^2 \left(2x^3 - 2x^5 + x^7 \right) \right\}$$

Out[1133]=



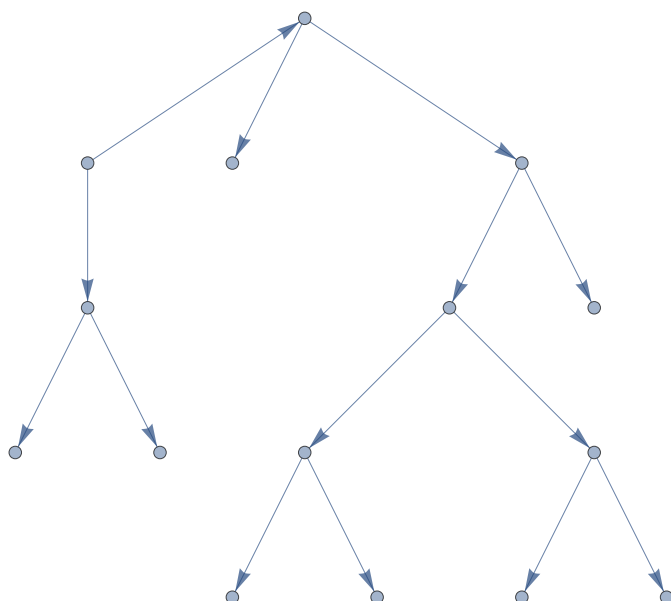
$$\text{Out[1135]} = \left\{ x^3 - x^5 + x^9 + G \left(-3x^2 + 4x^4 - 3x^6 - 5x^8 + 5x^{10} \right) + \right. \\ \left. G^2 \left(3x - 5x^3 + 9x^5 + 6x^7 - 20x^9 + 10x^{11} \right) + G^3 \left(-1 + 2x^2 - 9x^4 - x^6 + 27x^8 - 30x^{10} + 10x^{12} \right) + \right. \\ \left. G^4 \left(3x^3 - x^5 - 15x^7 + 29x^9 - 20x^{11} + 5x^{13} \right) + G^5 \left(3x^6 - 9x^8 + 10x^{10} - 5x^{12} + x^{14} \right) \right\}$$

Out[1137]=



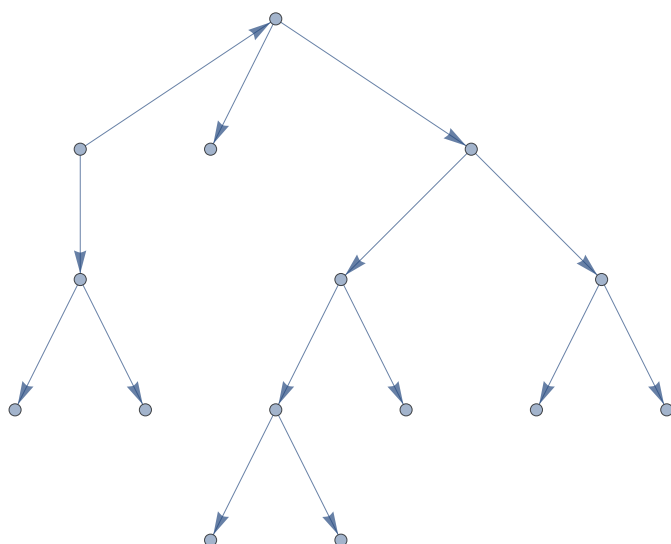
$$\text{Out[1139]} = \left\{ x^3 - x^5 + x^9 + G \left(-3x^2 + 4x^4 - 3x^6 - 5x^8 + 5x^{10} \right) + \right. \\ \left. G^2 \left(3x - 5x^3 + 9x^5 + 6x^7 - 20x^9 + 10x^{11} \right) + G^3 \left(-1 + 2x^2 - 9x^4 - x^6 + 27x^8 - 30x^{10} + 10x^{12} \right) + \right. \\ \left. G^4 \left(3x^3 - x^5 - 15x^7 + 29x^9 - 20x^{11} + 5x^{13} \right) + G^5 \left(3x^6 - 9x^8 + 10x^{10} - 5x^{12} + x^{14} \right) \right\}$$

Out[1141]=



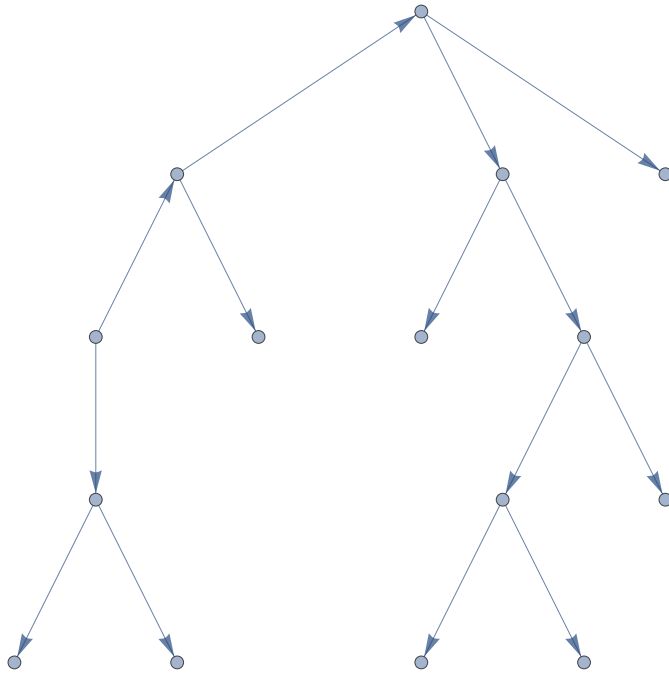
$$\text{Out[1143]} = \left\{ x - x^3 + x^5 + x^7 - 2x^9 + x^{11} + G^3 (3x^6 - 8x^8 + 4x^{10}) + \right. \\ \left. G^2 (3x^3 - 11x^7 + 14x^9 - 4x^{11}) + G (-1 + 2x^2 - 4x^4 - 2x^6 + 9x^8 - 7x^{10} + x^{12}) \right\}$$

Out[1145]=



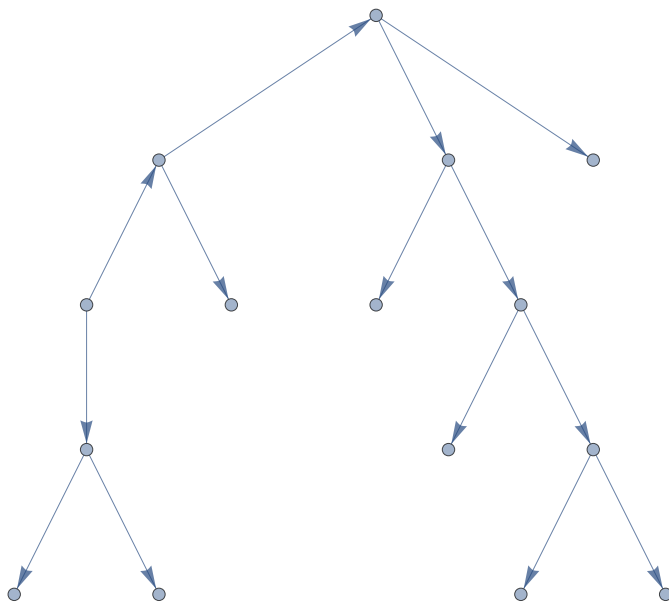
$$\text{Out[1147]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 (-x^4 - 2x^6 + 5x^8 - 2x^{10}) + \right. \\ \left. G (1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10}) + G^2 (-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11}) \right\}$$

Out[1149]=



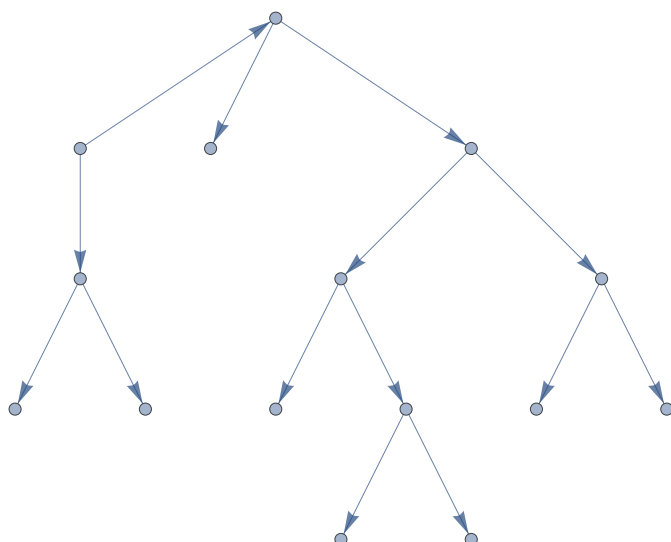
$$\text{Out[1151]} = \left\{ x - x^3 + 2x^5 + x^9 + G^3(-x^6 + x^{10}) + G(-1 + 2x^2 - 6x^4 + 2x^6 - 3x^8 + 2x^{10}) + G^2(4x^3 - 3x^5 + 3x^7 - 3x^9 + x^{11}) + G^4(-2x^9 + x^{11}) \right\}$$

Out[1153]=



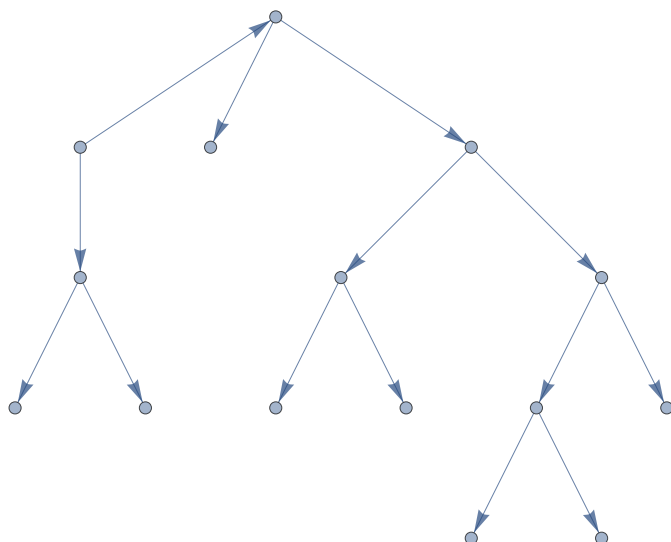
$$\text{Out[1155]} = \left\{ x - x^3 + x^7 + G(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8) + G^2(2x^3 - 6x^7 + 5x^9) + G^3(x^4 + x^6 - 7x^8 + 5x^{10}) + G^4(x^7 - 4x^9 + 3x^{11}) + G^5(-x^{10} + x^{12}) \right\}$$

Out[1157]=



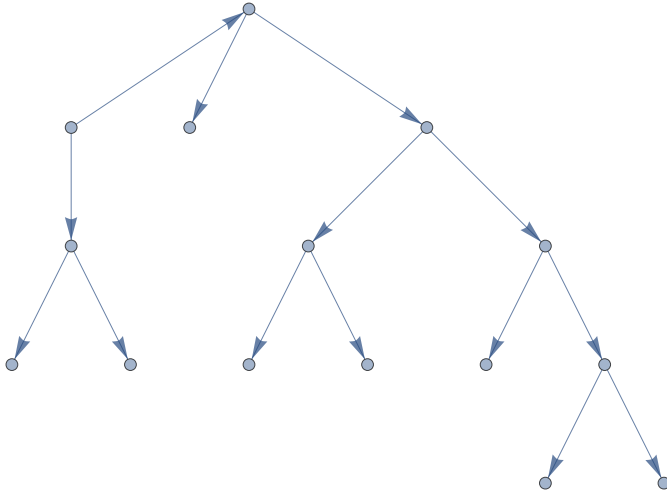
$$\text{Out[1159]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 5x^8 - 2x^{10} \right) + \right. \\ \left. G \left(1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10} \right) + G^2 \left(-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11} \right) \right\}$$

Out[1161]=



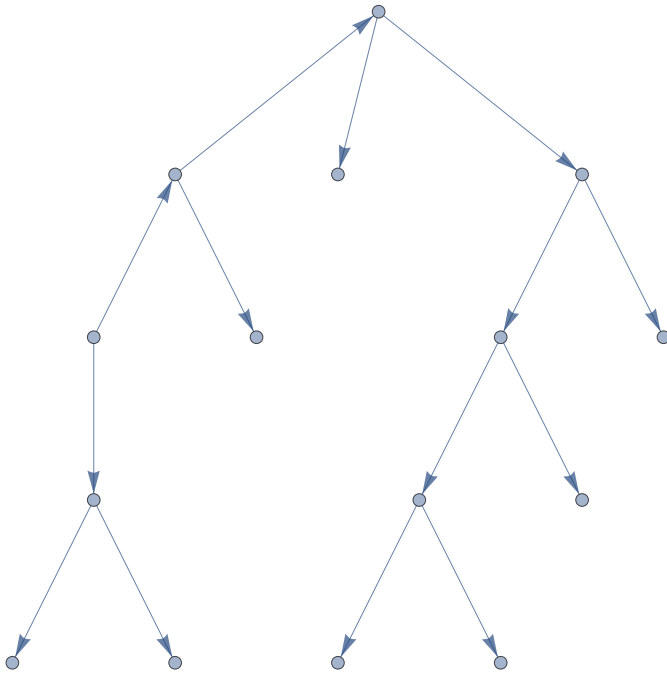
$$\text{Out[1163]} = \left\{ -x + x^3 - x^5 - G^4 x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 3x^8 \right) + \right. \\ \left. G^2 \left(-2x^3 + 2x^5 + 5x^7 - 3x^9 \right) + G \left(1 - 2x^2 + 3x^4 - x^6 - 4x^8 + x^{10} \right) \right\}$$

Out[1165]=



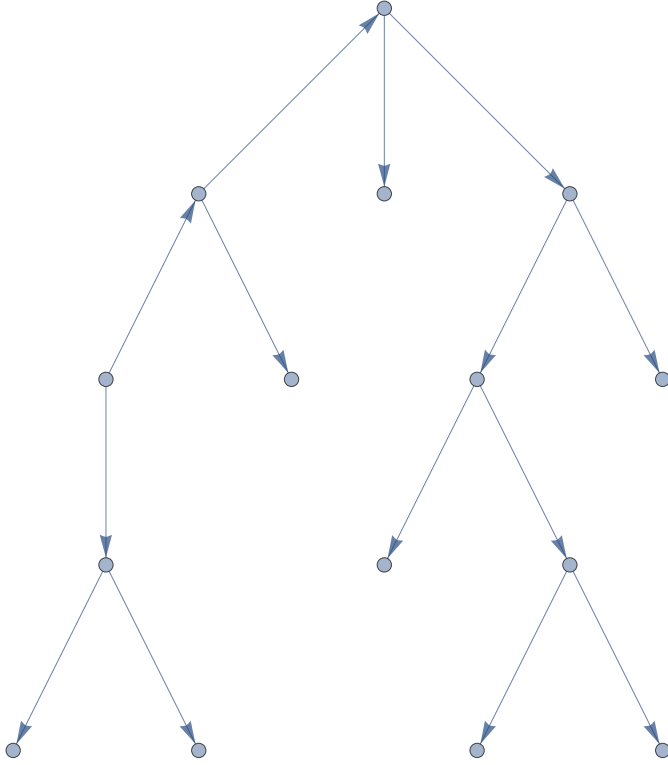
$$\text{Out[1167]} = \left\{ -x + x^3 - x^7 + x^9 + G^4 (-x^5 - x^7) + G^3 (-x^4 + 3x^8) + G^2 (-x^3 + 4x^7 - 3x^9) + G (1 - 2x^2 + x^4 + 2x^6 - 4x^8 + x^{10}) \right\}$$

Out[1169]=



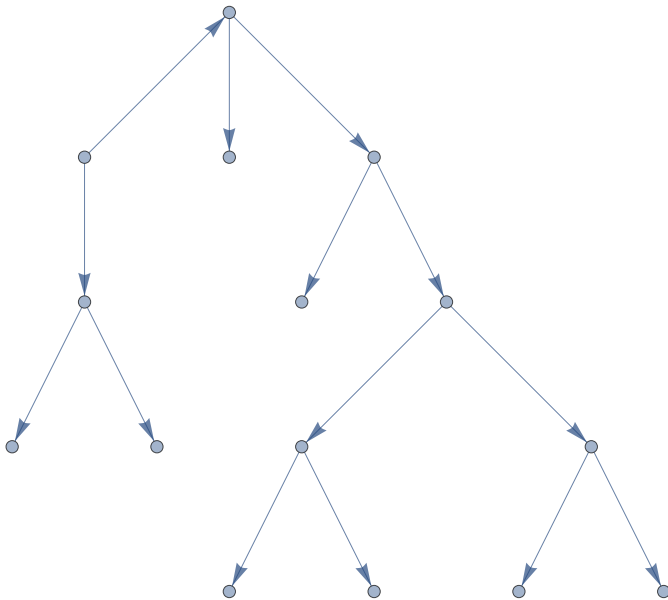
$$\begin{aligned} \text{Out[1171]} = & \left\{ -x + x^3 - x^5 + x^7 - x^9 + x^{11} + x^{15} + G (1 - 2x^2 + 4x^4 - 4x^6 + 5x^8 - 8x^{10} + 3x^{12} - 5x^{14} + 5x^{16}) + \right. \\ & G^2 (-3x^3 + 5x^5 - 6x^7 + 16x^9 - 15x^{11} + 12x^{13} - 20x^{15} + 10x^{17}) + \\ & G^3 (-x^4 + 2x^6 - 9x^8 + 18x^{10} - 17x^{12} + 28x^{14} - 30x^{16} + 10x^{18}) + \\ & \left. G^4 (x^7 - 5x^9 + 8x^{11} - 16x^{13} + 27x^{15} - 20x^{17} + 5x^{19}) + G^5 (2x^{12} - 7x^{14} + 9x^{16} - 5x^{18} + x^{20}) \right\} \end{aligned}$$

Out[1173]=



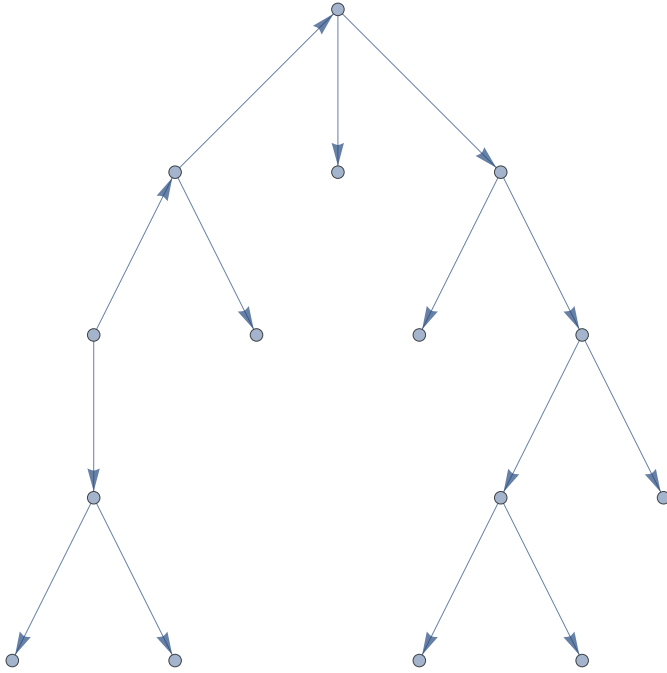
$$\text{Out[1175]} = \left\{ -x + x^3 - x^5 + x^7 - x^9 + x^{11} + x^{15} + G \left(1 - 2x^2 + 4x^4 - 4x^6 + 5x^8 - 8x^{10} + 3x^{12} - 5x^{14} + 5x^{16} \right) + \right. \\ \left. G^2 \left(-3x^3 + 5x^5 - 6x^7 + 16x^9 - 15x^{11} + 12x^{13} - 20x^{15} + 10x^{17} \right) + \right. \\ \left. G^3 \left(-x^4 + 2x^6 - 9x^8 + 18x^{10} - 17x^{12} + 28x^{14} - 30x^{16} + 10x^{18} \right) + \right. \\ \left. G^4 \left(x^7 - 5x^9 + 8x^{11} - 16x^{13} + 27x^{15} - 20x^{17} + 5x^{19} \right) + G^5 \left(2x^{12} - 7x^{14} + 9x^{16} - 5x^{18} + x^{20} \right) \right\}$$

Out[1177]=



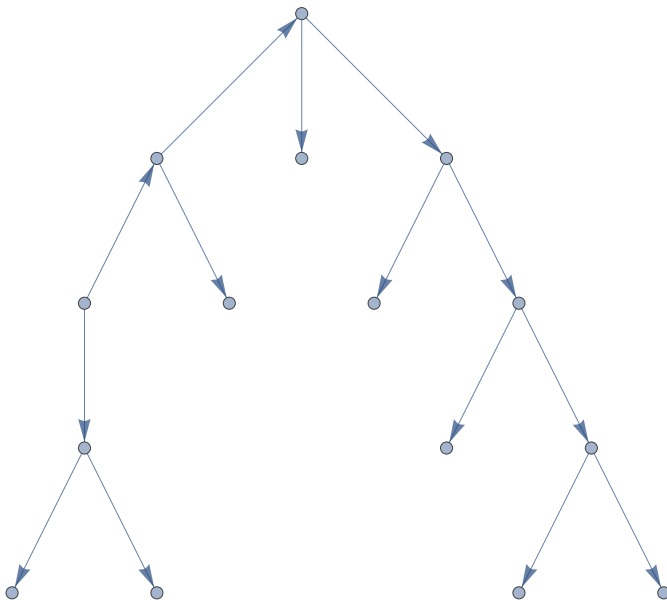
$$\text{Out[1179]} = \left\{ x - x^3 + x^5 - x^7 + x^9 - x^{11} + x^{13} - x^{15} + x^{17} + G^5 \left(-x^8 - x^{10} - 2x^{12} \right) + G^4 \left(x^5 + 5x^9 + 2x^{11} + 9x^{13} \right) + \right. \\ \left. G^3 \left(x^4 - 2x^6 + 2x^8 - 10x^{10} + x^{12} - 16x^{14} \right) + G^2 \left(2x^3 - 3x^5 + 3x^7 - 5x^9 + 10x^{11} - 5x^{13} + 14x^{15} \right) + \right. \\ \left. G \left(-1 + 2x^2 - 3x^4 + 3x^6 - 3x^8 + 4x^{10} - 5x^{12} + 4x^{14} - 6x^{16} \right) \right\}$$

Out[1181]=

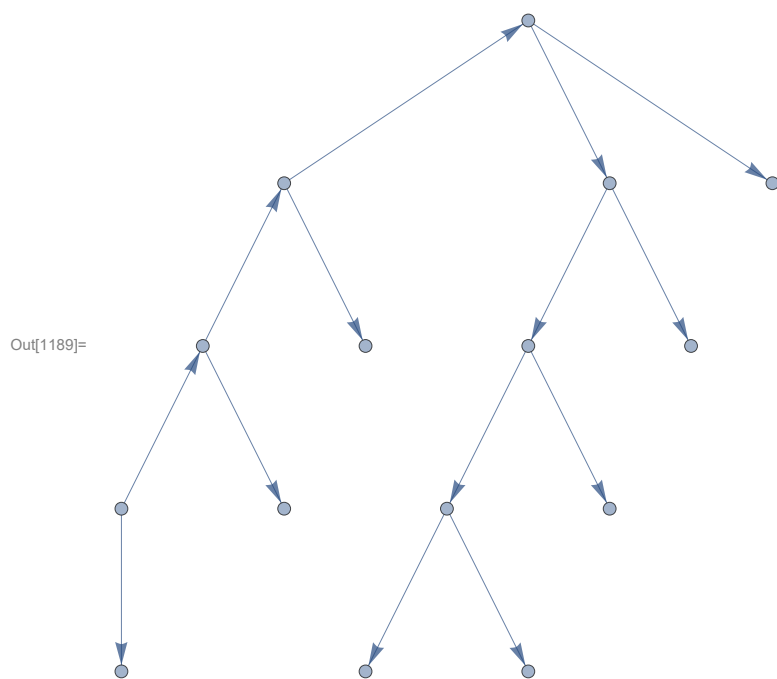


$$\begin{aligned} \text{Out[1183]} = & \left\{ x - x^3 + x^5 + x^{17} + x^{21} - G^8 x^{21} + x^{23} + x^{27} + \right. \\ & G^7 \left(-x^{14} - x^{16} - 2x^{20} + 7x^{22} \right) + G^6 \left(x^{11} + 6x^{15} + 7x^{17} + 13x^{21} - 21x^{23} \right) + \\ & G^5 \left(-x^8 - x^{10} - 6x^{12} - 2x^{14} - 17x^{16} - 21x^{18} - 36x^{22} + 35x^{24} \right) + \\ & G^4 \left(x^5 + 5x^9 + 4x^{11} + 15x^{13} + 7x^{15} + 29x^{17} + 35x^{19} + 55x^{23} - 35x^{25} \right) + \\ & G^3 \left(x^4 - 3x^6 + 2x^8 - 8x^{10} - 6x^{12} - 20x^{14} - 9x^{16} - 31x^{18} - 35x^{20} - 50x^{24} + 21x^{26} \right) + \\ & G^2 \left(2x^3 - 2x^5 + 3x^7 - 3x^9 + 5x^{11} + 4x^{13} + 15x^{15} + 5x^{17} + 20x^{19} + 21x^{21} + 27x^{25} - 7x^{27} \right) + \\ & \left. G \left(-1 + 2x^2 - 3x^4 + x^6 - x^8 + x^{10} - x^{12} - x^{14} - 6x^{16} - x^{18} - 7x^{20} - 7x^{22} - 8x^{26} + x^{28} \right) \right\} \end{aligned}$$

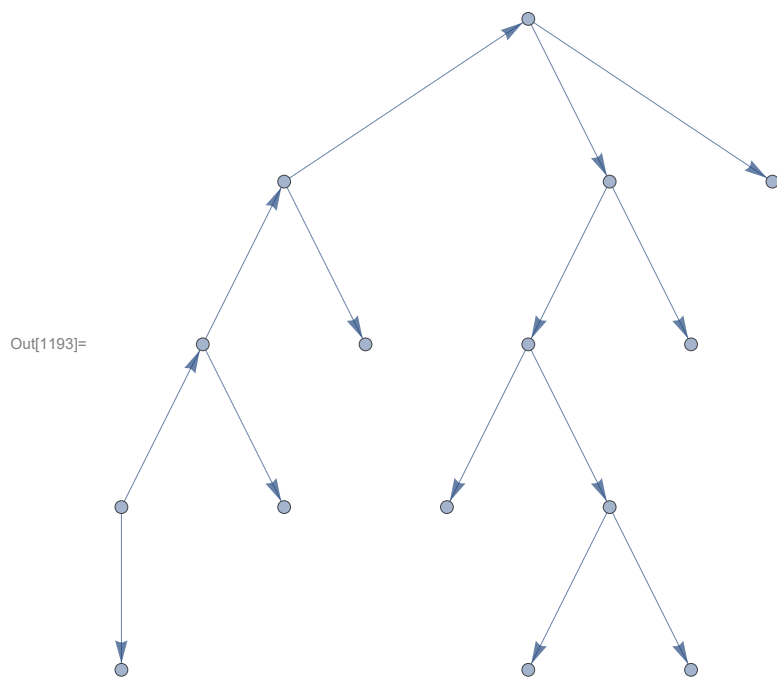
Out[1185]=



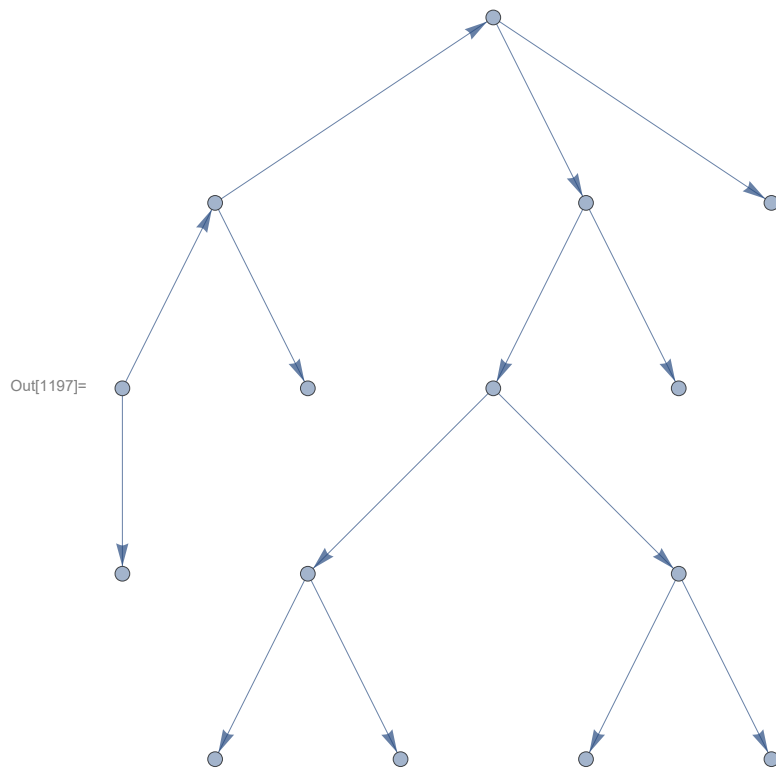
$$\text{Out[1187]} = \left\{ -x + x^3 - G^5 x^6 + G \left(1 - 2x^2 + x^4 \right) + G^2 \left(-x^3 + x^5 \right) + G^3 \left(-x^4 + x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



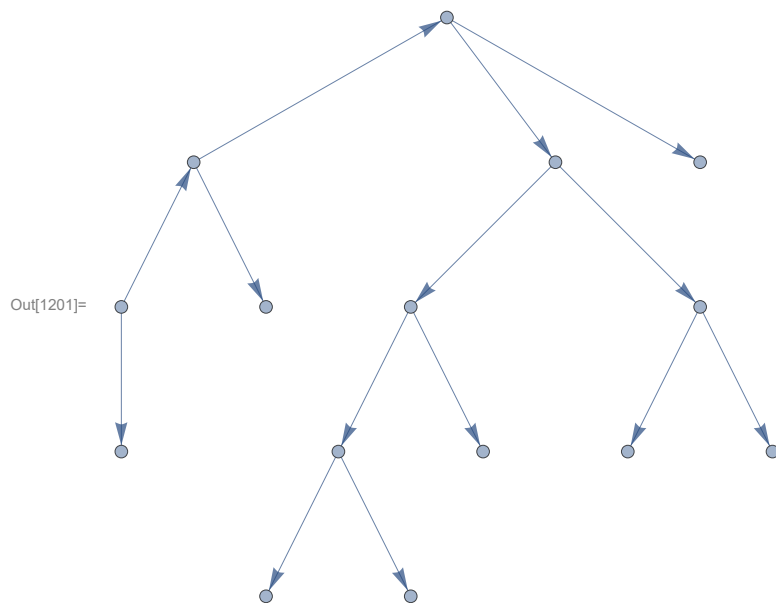
Out[1191]= $\left\{ -20 G^3 x^4 + 15 G^2 x^5 - 6 G x^6 + x^7 + G^5 (1 - 6 x^2) + G^4 (-x + 15 x^3) \right\}$



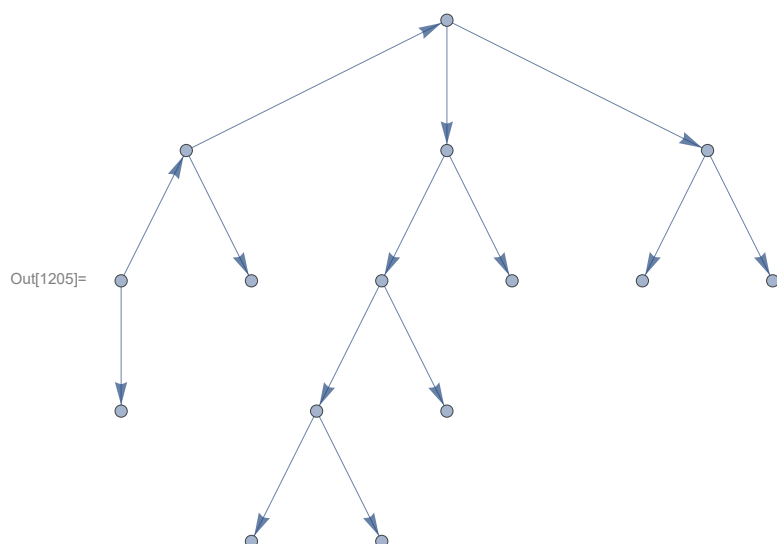
Out[1195]= $\left\{ G^5 x^3 + x^6 + G^4 (-1 + 5 x^2 - 4 x^4) + G^3 (x - 10 x^3 + 6 x^5) + G^2 (10 x^4 - 4 x^6) + G (-5 x^5 + x^7) \right\}$



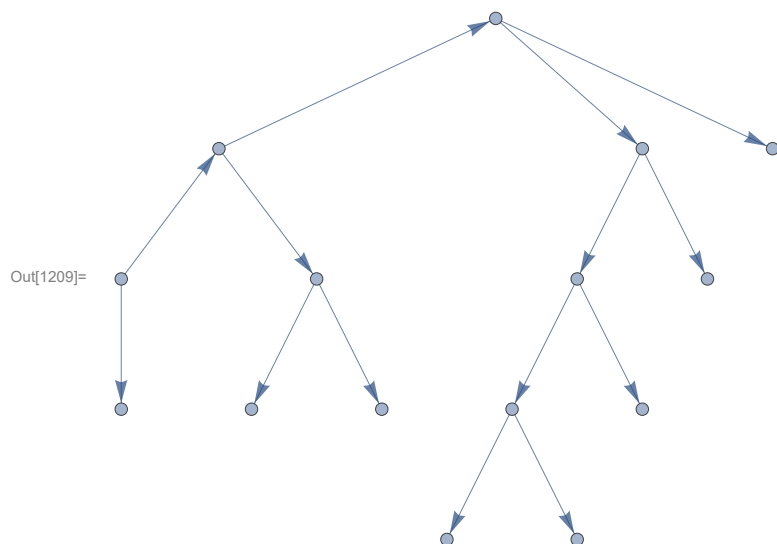
$$\text{Out[1199]} = \left\{ G^5 x^3 + x^6 + G^4 (-1 + 5 x^2 - 4 x^4) + G^3 (x - 10 x^3 + 6 x^5) + G^2 (10 x^4 - 4 x^6) + G (-5 x^5 + x^7) \right\}$$



$$\text{Out[1203]} = \left\{ G^5 x^3 + x^6 + G^4 (-1 + 5 x^2 - 4 x^4) + G^3 (x - 10 x^3 + 6 x^5) + G^2 (10 x^4 - 4 x^6) + G (-5 x^5 + x^7) \right\}$$

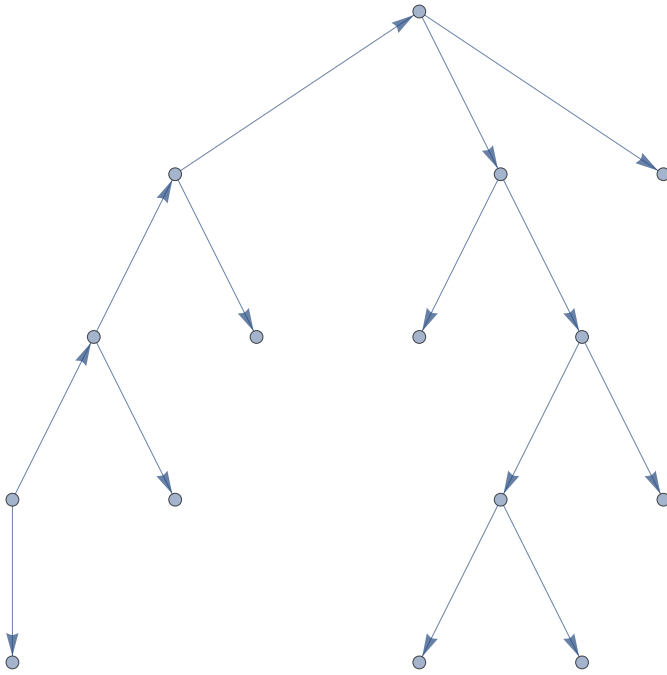


$$\text{Out[1207]} = \left\{ G^5 x^3 + x^6 + G^4 (-1 + 5 x^2 - 4 x^4) + G^3 (x - 10 x^3 + 6 x^5) + G^2 (10 x^4 - 4 x^6) + G (-5 x^5 + x^7) \right\}$$



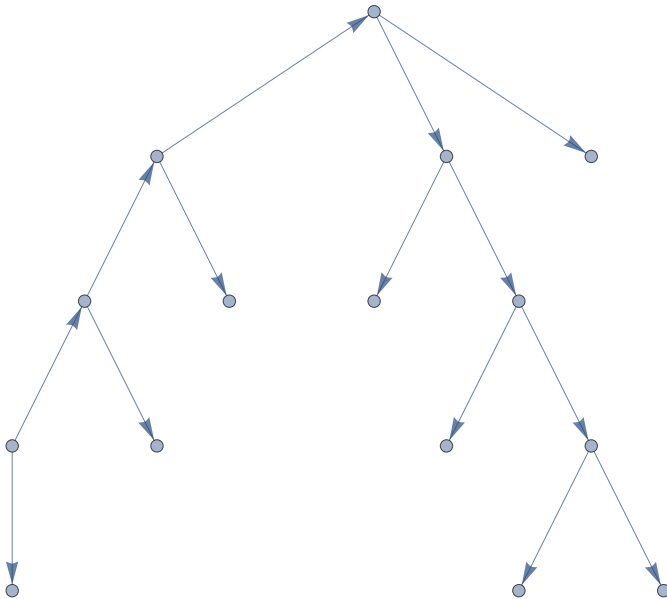
$$\text{Out[1211]} = \left\{ G^5 x^3 + x^6 + G^4 (-1 + 5 x^2 - 4 x^4) + G^3 (x - 10 x^3 + 6 x^5) + G^2 (10 x^4 - 4 x^6) + G (-5 x^5 + x^7) \right\}$$

Out[1213]=

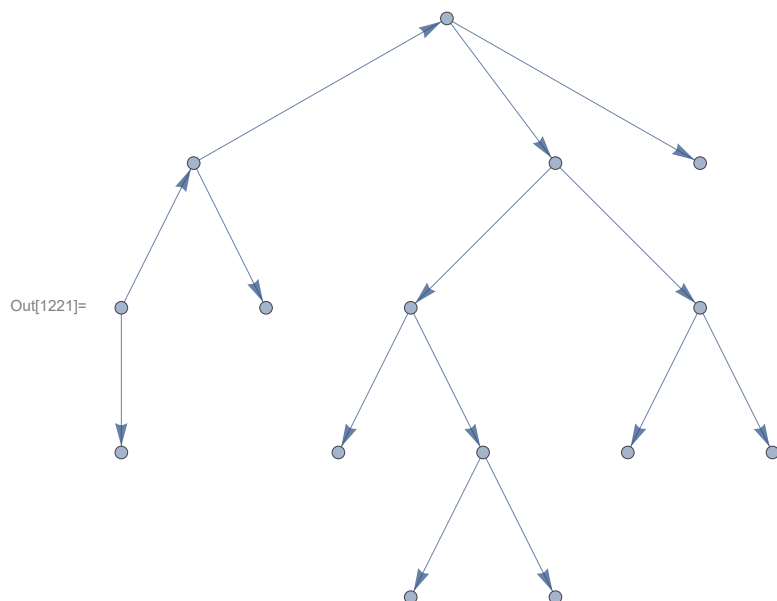


$$\text{Out[1215]} = \left\{ 2 G^4 x^3 - x^5 + x^7 + G^3 (-1 + 4 x^2 - 7 x^4) + G^2 (x - 6 x^3 + 9 x^5) + G (4 x^4 - 5 x^6) \right\}$$

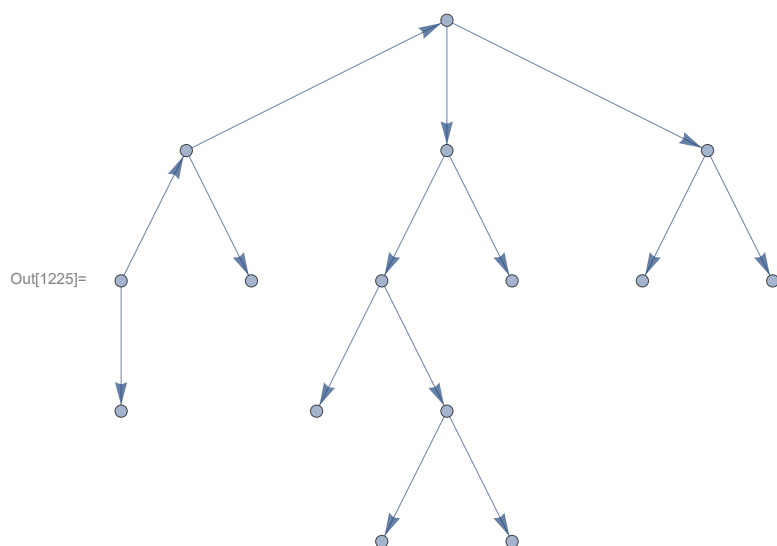
Out[1217]=



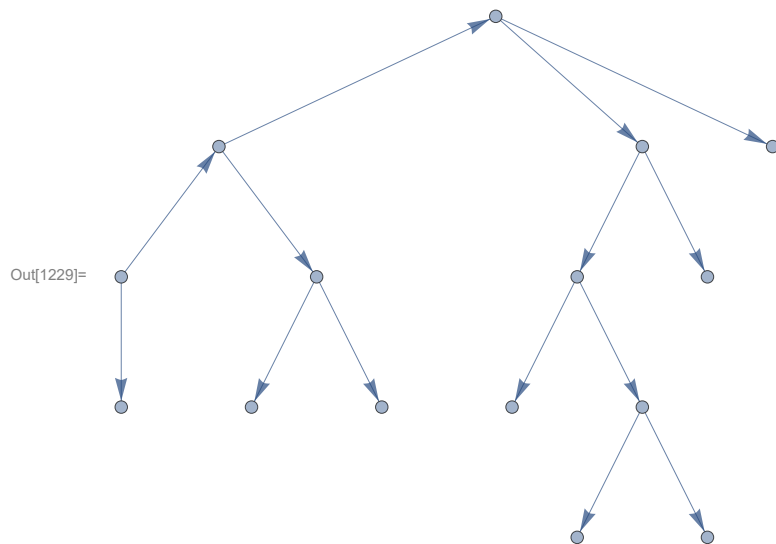
$$\text{Out[1219]} = \left\{ x^5 + G^4 (-2 x^3 + x^5) + G^3 (1 - 4 x^2 + 6 x^4 - 2 x^6) + G (-4 x^4 + 2 x^6) + G^2 (-x + 6 x^3 - 6 x^5 + x^7) \right\}$$



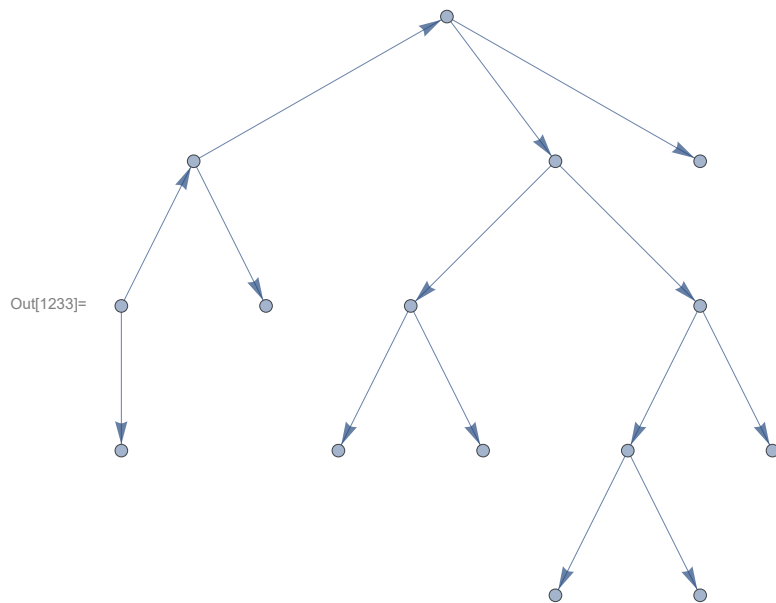
$$\text{Out[1223]} = \left\{ x^5 + G^4 \left(-2x^3 + x^5 \right) + G^3 \left(1 - 4x^2 + 6x^4 - 2x^6 \right) + G \left(-4x^4 + 2x^6 \right) + G^2 \left(-x + 6x^3 - 6x^5 + x^7 \right) \right\}$$



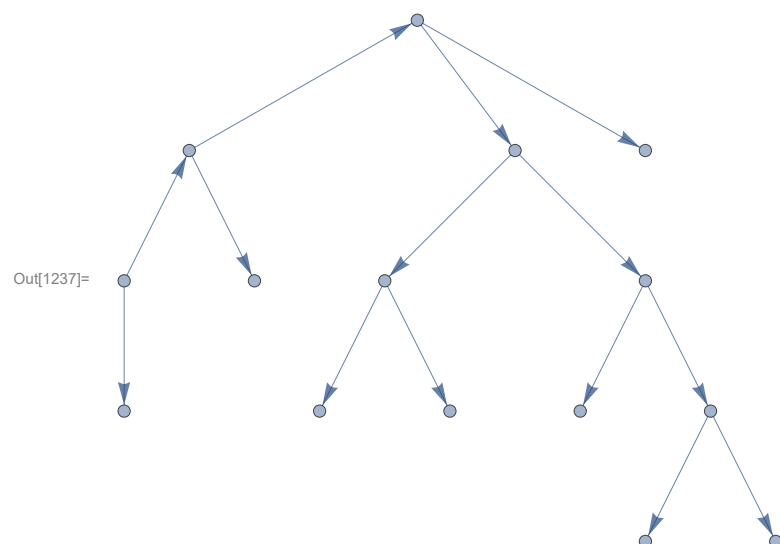
$$\text{Out[1227]} = \left\{ x^5 + G^4 \left(-2x^3 + x^5 \right) + G^3 \left(1 - 4x^2 + 6x^4 - 2x^6 \right) + G \left(-4x^4 + 2x^6 \right) + G^2 \left(-x + 6x^3 - 6x^5 + x^7 \right) \right\}$$



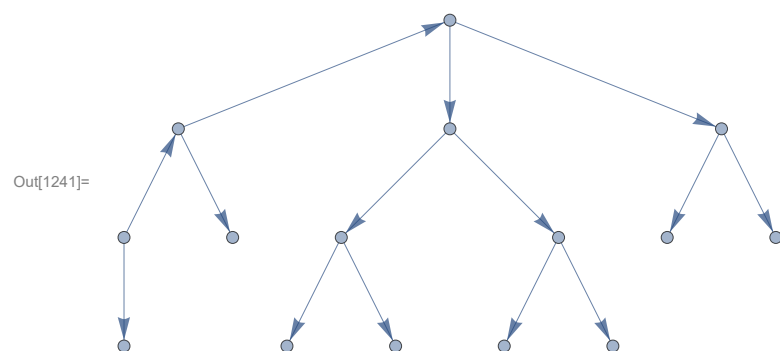
$$\text{Out[1231]} = \left\{ x^5 + G^4 \left(-2x^3 + x^5 \right) + G^3 \left(1 - 4x^2 + 6x^4 - 2x^6 \right) + G \left(-4x^4 + 2x^6 \right) + G^2 \left(-x + 6x^3 - 6x^5 + x^7 \right) \right\}$$



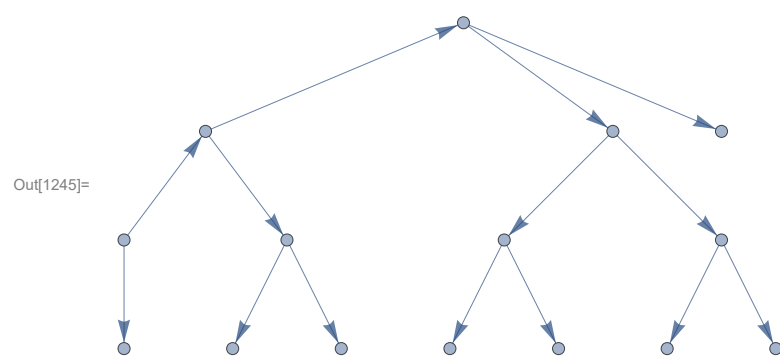
$$\text{Out[1235]} = \left\{ 2G^4x^3 - x^5 + x^7 + G^3 \left(-1 + 4x^2 - 7x^4 \right) + G^2 \left(x - 6x^3 + 9x^5 \right) + G \left(4x^4 - 5x^6 \right) \right\}$$



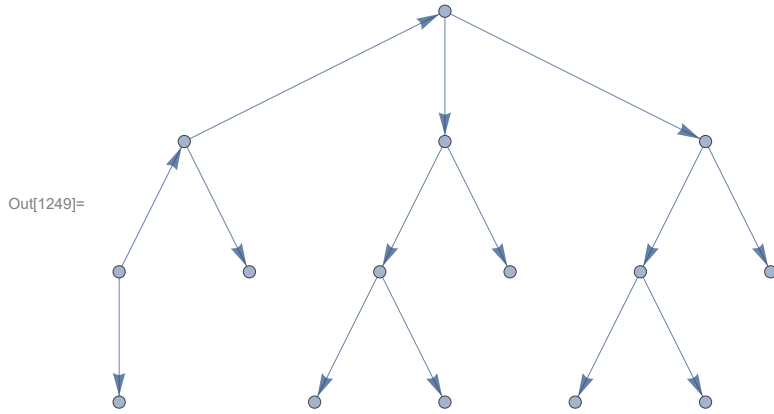
$$\text{Out[1239]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$



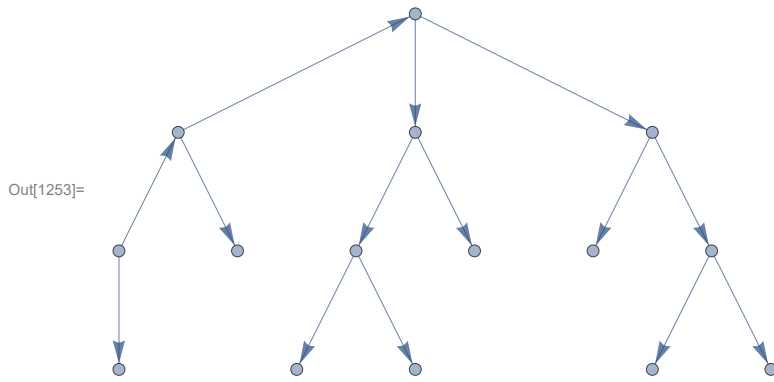
$$\text{Out[1243]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$



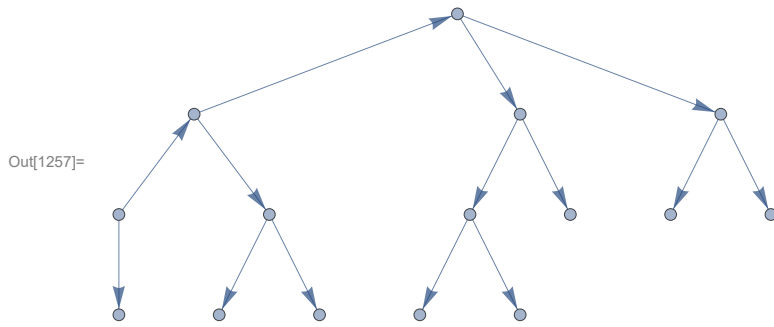
$$\text{Out[1247]} = \left\{ x^5 + G^4 (-2x^3 + x^5) + G^3 (1 - 4x^2 + 6x^4 - 2x^6) + G (-4x^4 + 2x^6) + G^2 (-x + 6x^3 - 6x^5 + x^7) \right\}$$



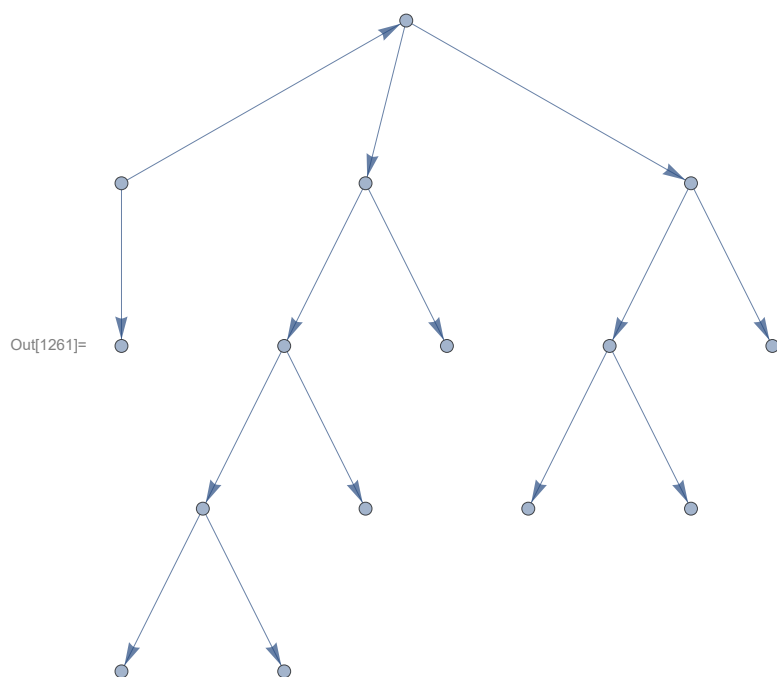
$$\text{Out[1251]} = \left\{ 2 G^4 x^3 - x^5 + x^7 + G^3 (-1 + 4 x^2 - 7 x^4) + G^2 (x - 6 x^3 + 9 x^5) + G (4 x^4 - 5 x^6) \right\}$$



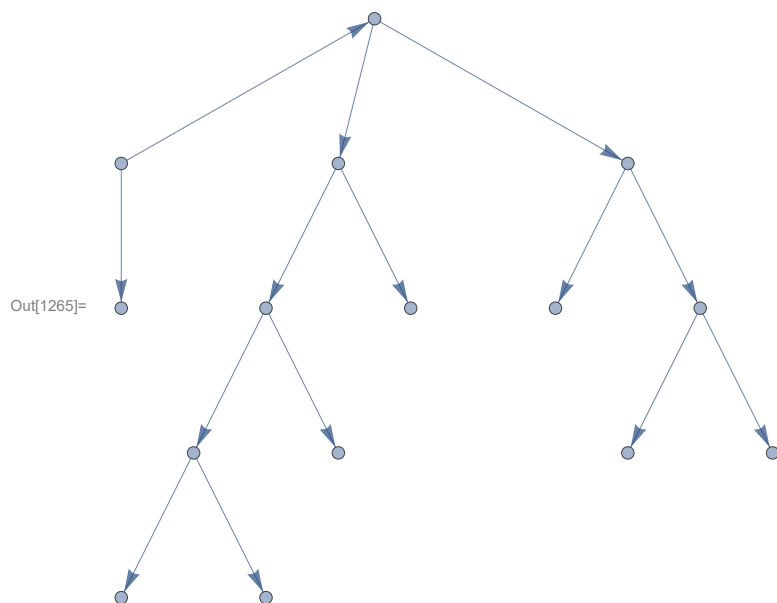
$$\text{Out[1255]} = \left\{ x^5 + G^4 (-2 x^3 + x^5) + G^3 (1 - 4 x^2 + 6 x^4 - 2 x^6) + G (-4 x^4 + 2 x^6) + G^2 (-x + 6 x^3 - 6 x^5 + x^7) \right\}$$



$$\text{Out[1259]} = \left\{ x^5 + G^4 (-2 x^3 + x^5) + G^3 (1 - 4 x^2 + 6 x^4 - 2 x^6) + G (-4 x^4 + 2 x^6) + G^2 (-x + 6 x^3 - 6 x^5 + x^7) \right\}$$

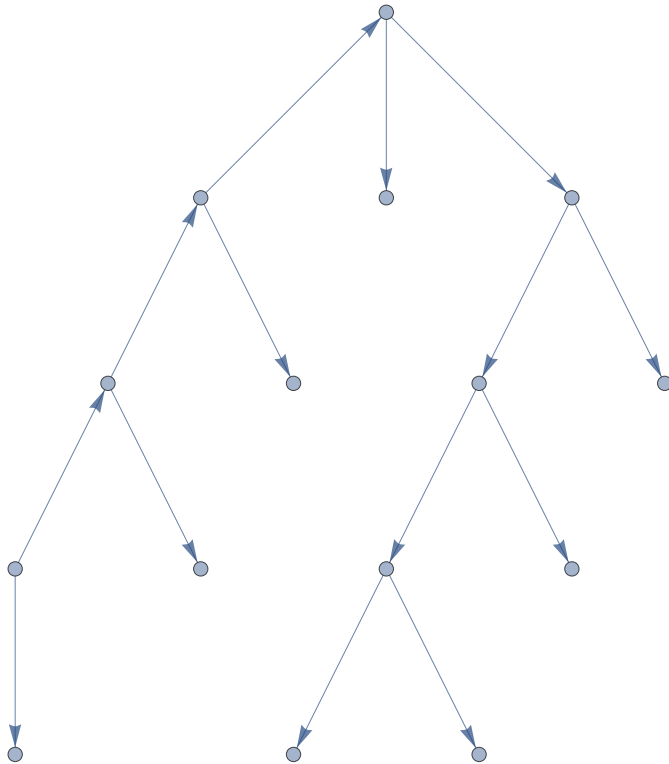


$$\text{Out[1263]} = \left\{ 2 G^4 x^3 - x^5 + x^7 + G^3 (-1 + 4 x^2 - 7 x^4) + G^2 (x - 6 x^3 + 9 x^5) + G (4 x^4 - 5 x^6) \right\}$$



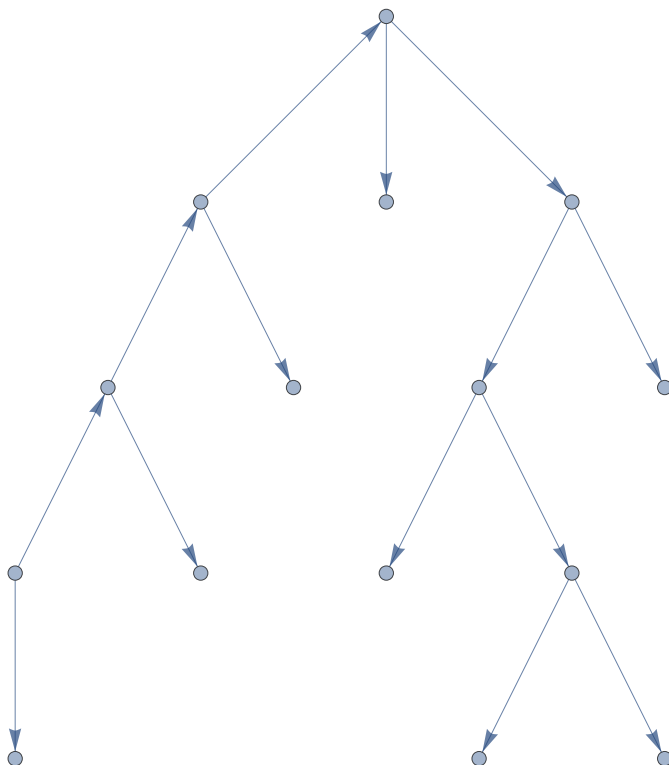
$$\text{Out[1267]} = \left\{ -G^5 x^4 + x^5 + G^4 (-x^3 + 3 x^5) + G^3 (1 - 4 x^2 + 3 x^4 - 3 x^6) + G (-4 x^4 + x^6) + G^2 (-x + 6 x^3 - 3 x^5 + x^7) \right\}$$

Out[1269]=

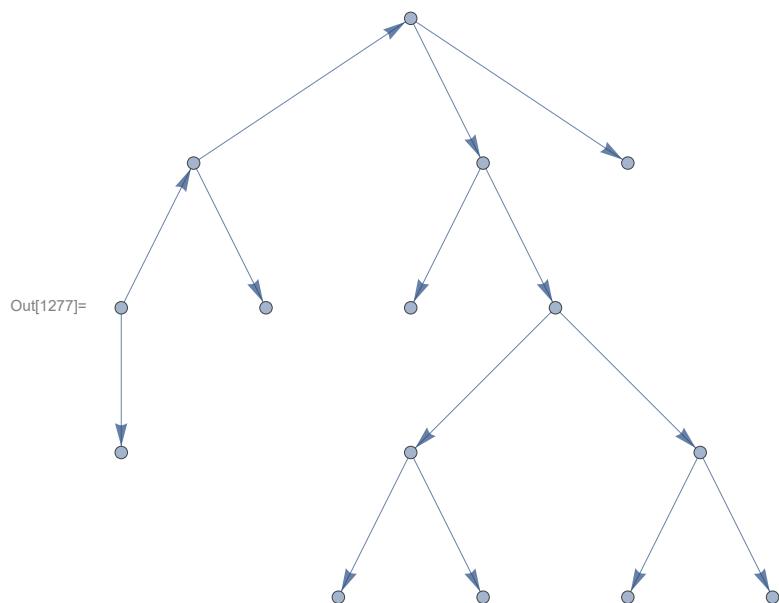


$$\text{Out[1271]} = \left\{ 3 G^4 x^3 + x^7 + G^3 (-1 + 3 x^2 - 9 x^4) + G^2 (x - 3 x^3 + 10 x^5) + G (x^4 - 5 x^6) \right\}$$

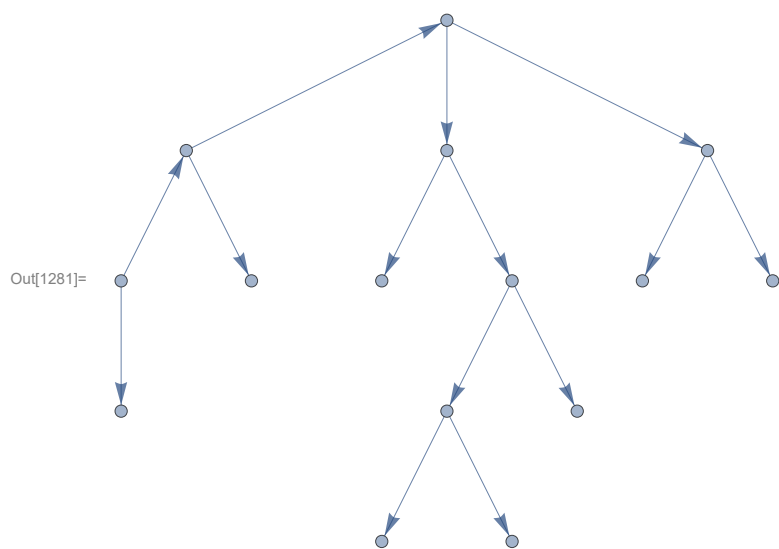
Out[1273]=



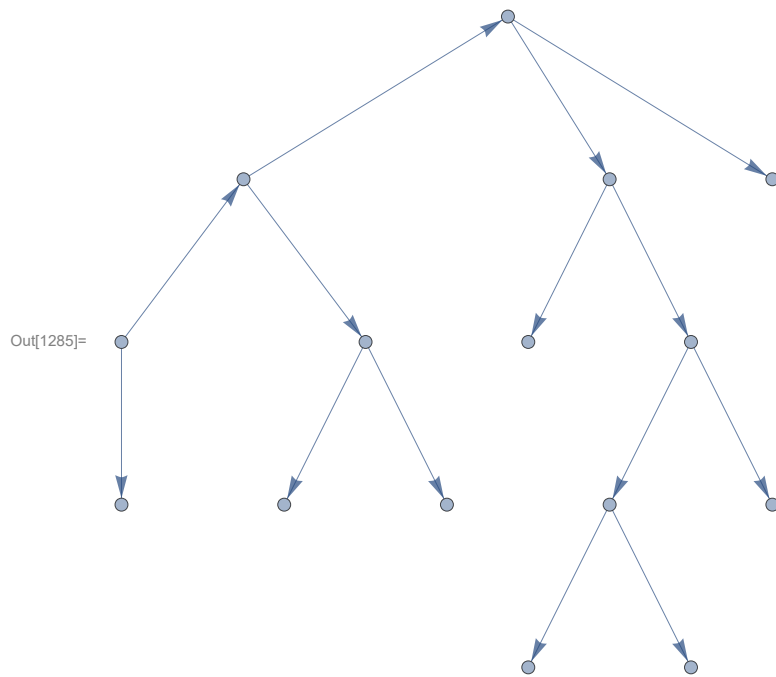
$$\text{Out[1275]} = \left\{ -x^4 + x^6 + G^3 (-3 x^3 + 2 x^5) + G^2 (1 - 3 x^2 + 7 x^4 - 3 x^6) + G (-x + 3 x^3 - 5 x^5 + x^7) \right\}$$



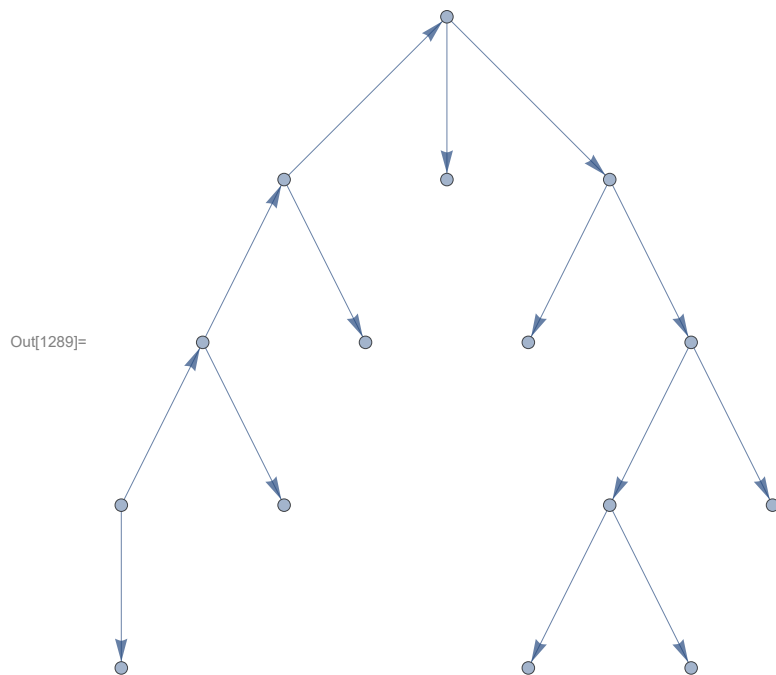
$$\text{Out[1279]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



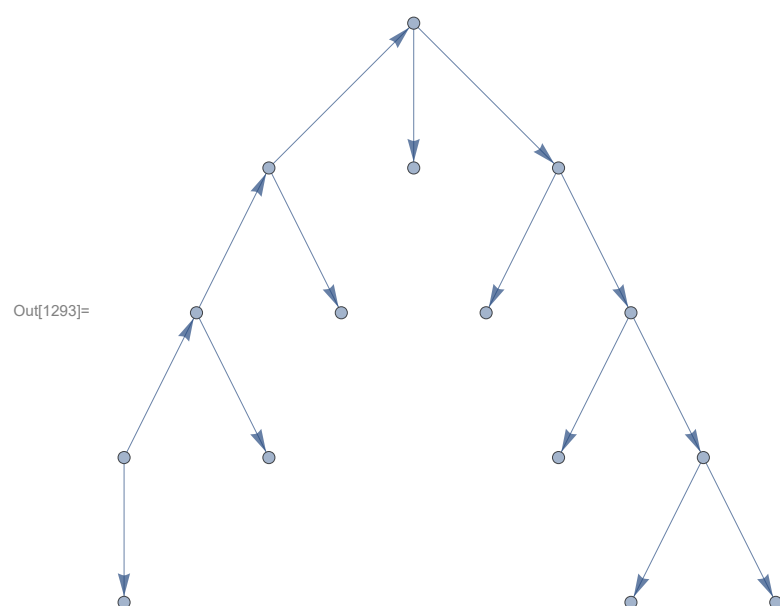
$$\text{Out[1283]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



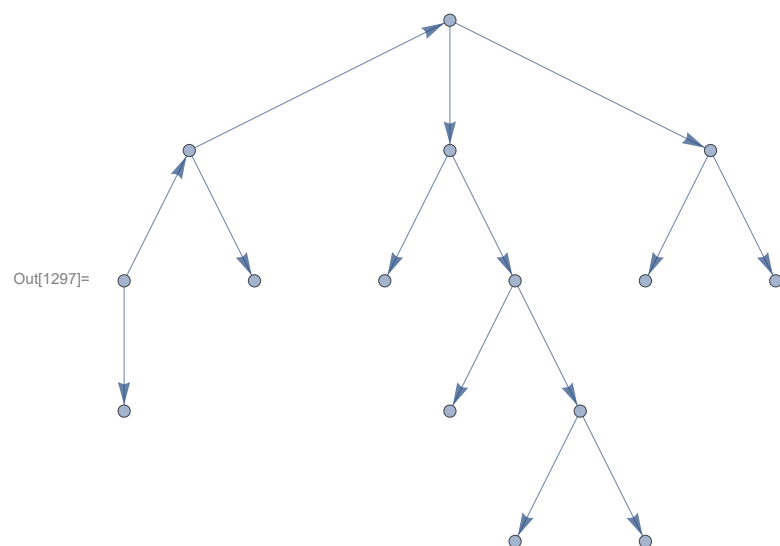
$$\text{Out}[1287]=\left\{-x^4+x^6+G^3\left(-3x^3+2x^5\right)+G^2\left(1-3x^2+7x^4-3x^6\right)+G\left(-x+3x^3-5x^5+x^7\right)\right\}$$



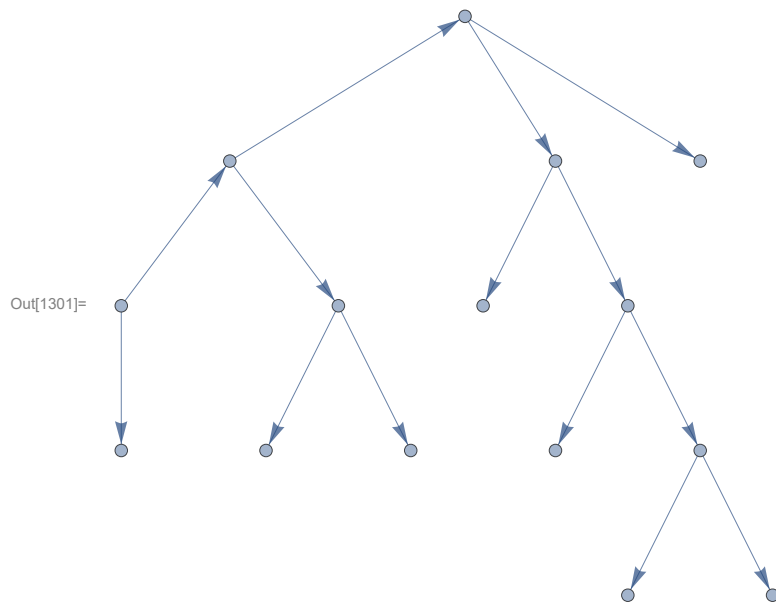
$$\text{Out}[1291] = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



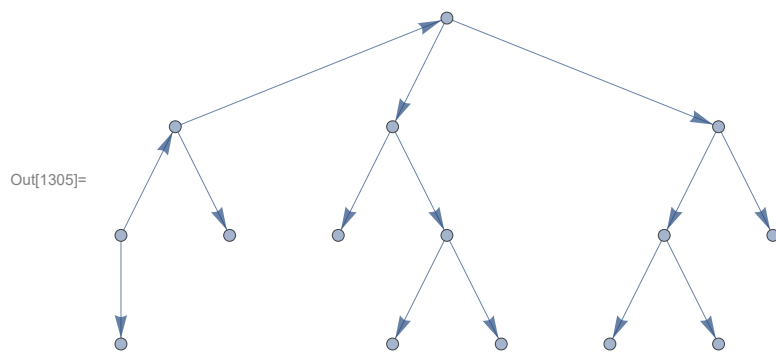
$$\text{Out[1295]} = \left\{ x^4 + G \left(x - 3x^3 + 3x^5 \right) + G^2 \left(-1 + 3x^2 - 6x^4 + 3x^6 \right) + G^3 \left(3x^3 - 3x^5 + x^7 \right) \right\}$$



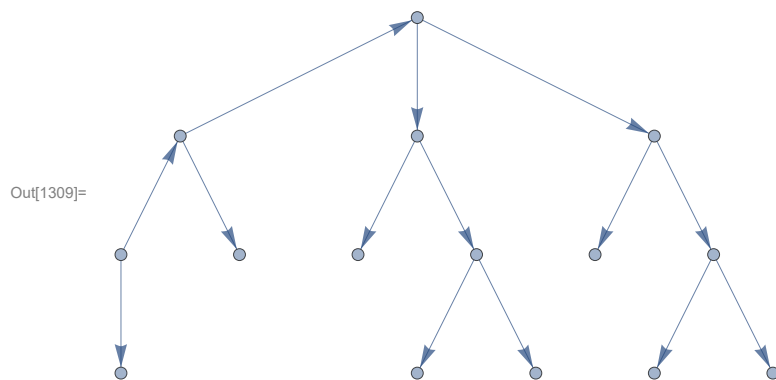
$$\text{Out[1299]} = \left\{ x^4 + G \left(x - 3x^3 + 3x^5 \right) + G^2 \left(-1 + 3x^2 - 6x^4 + 3x^6 \right) + G^3 \left(3x^3 - 3x^5 + x^7 \right) \right\}$$



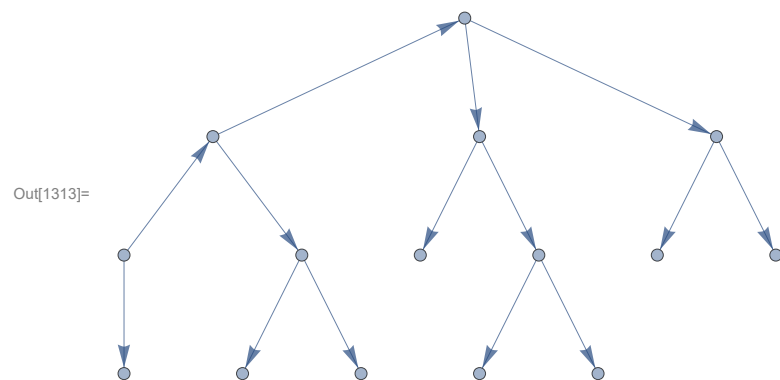
$$\text{Out[1303]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$



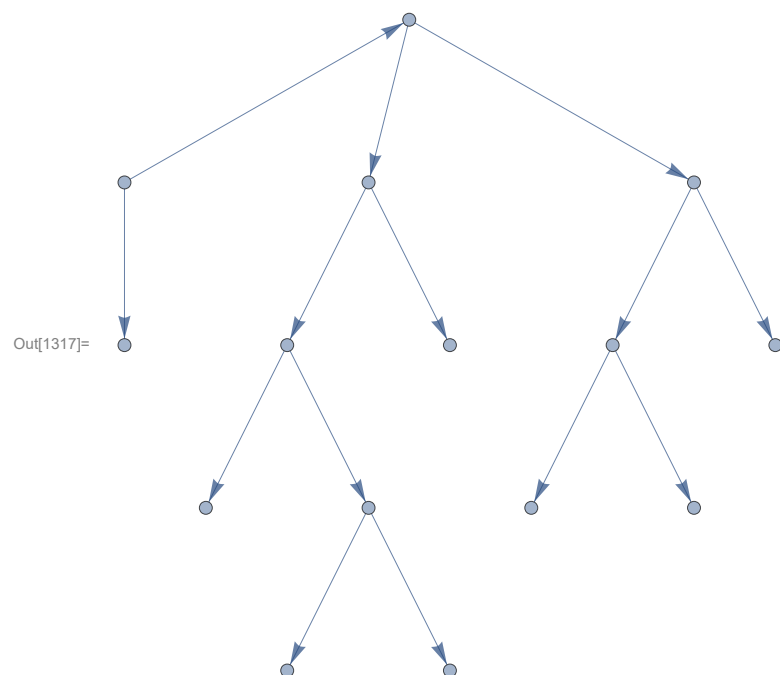
$$\text{Out[1307]} = \left\{ -x^4 + x^6 + G^3 \left(-3 x^3 + 2 x^5 \right) + G^2 \left(1 - 3 x^2 + 7 x^4 - 3 x^6 \right) + G \left(-x + 3 x^3 - 5 x^5 + x^7 \right) \right\}$$



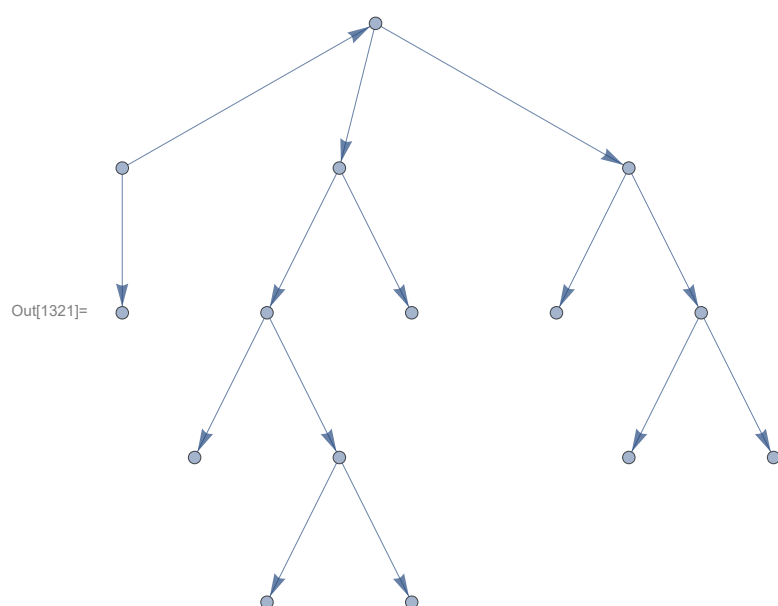
$$\text{Out[1311]} = \left\{ x^4 + G \left(x - 3 x^3 + 3 x^5 \right) + G^2 \left(-1 + 3 x^2 - 6 x^4 + 3 x^6 \right) + G^3 \left(3 x^3 - 3 x^5 + x^7 \right) \right\}$$



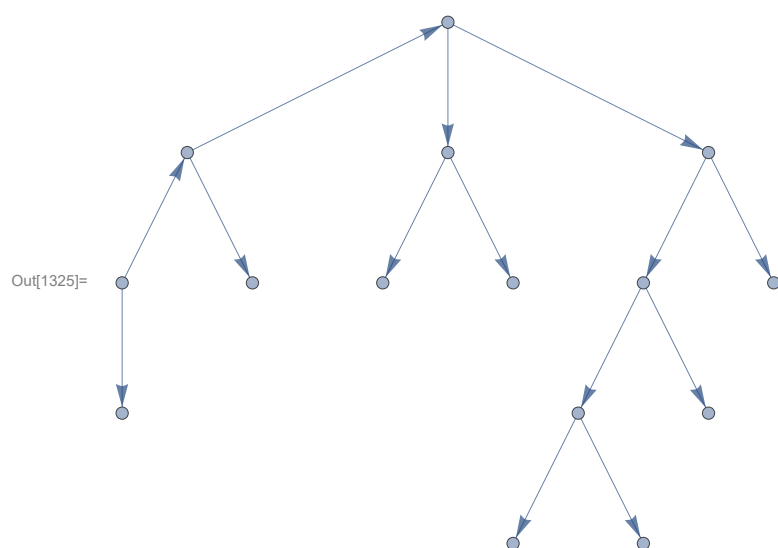
$$\text{Out[1315]} = \left\{ x^4 + G \left(x - 3x^3 + 3x^5 \right) + G^2 \left(-1 + 3x^2 - 6x^4 + 3x^6 \right) + G^3 \left(3x^3 - 3x^5 + x^7 \right) \right\}$$



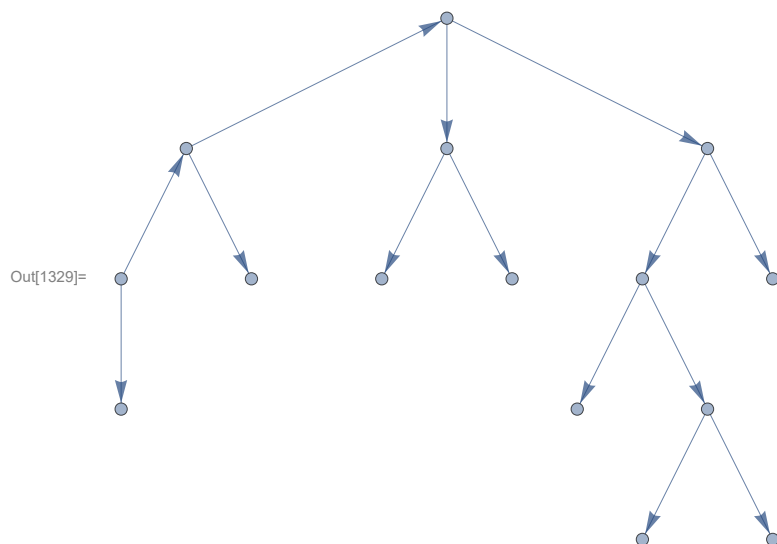
$$\text{Out[1319]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



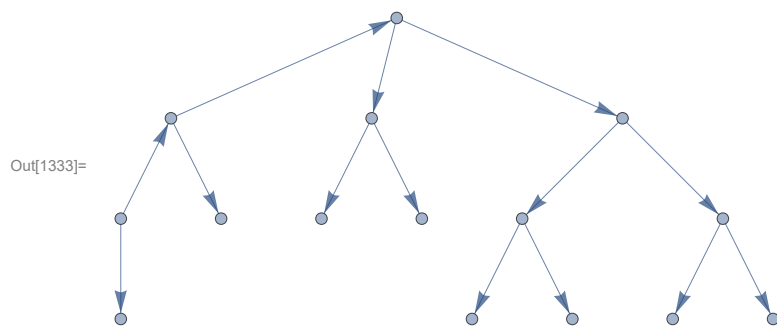
$$\text{Out[1323]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$



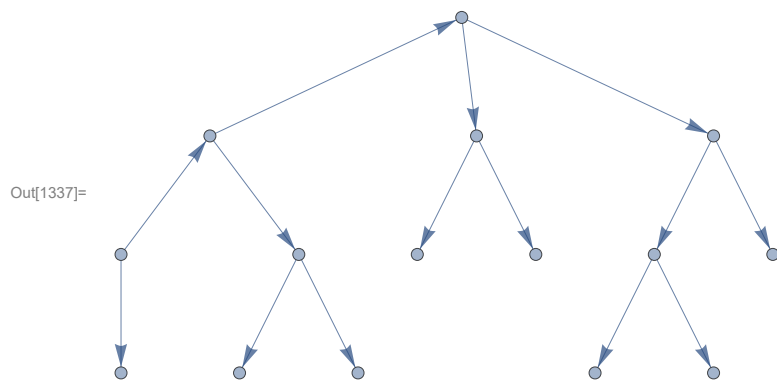
$$\text{Out[1327]} = \left\{ 3 G^4 x^3 + x^7 + G^3 \left(-1 + 3 x^2 - 9 x^4 \right) + G^2 \left(x - 3 x^3 + 10 x^5 \right) + G \left(x^4 - 5 x^6 \right) \right\}$$



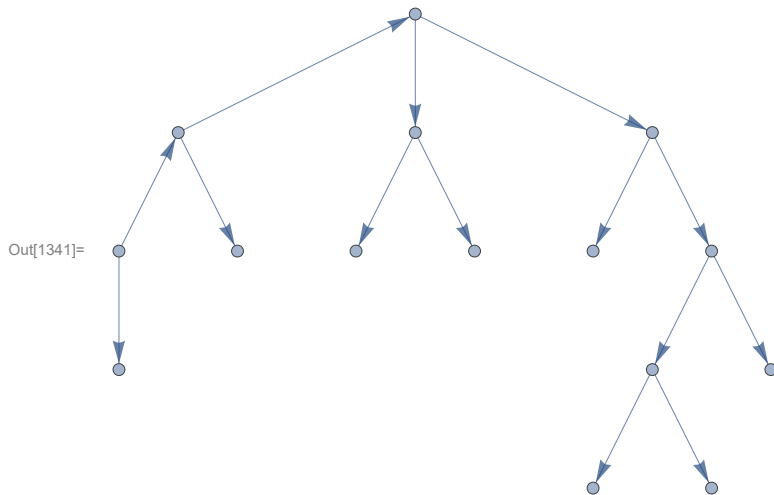
$$\text{Out[1331]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 (-2x^3 + 3x^5) + G^2 (1 - 3x^2 + 5x^4 - 3x^6) + G (-x + 3x^3 - 4x^5 + x^7) \right\}$$



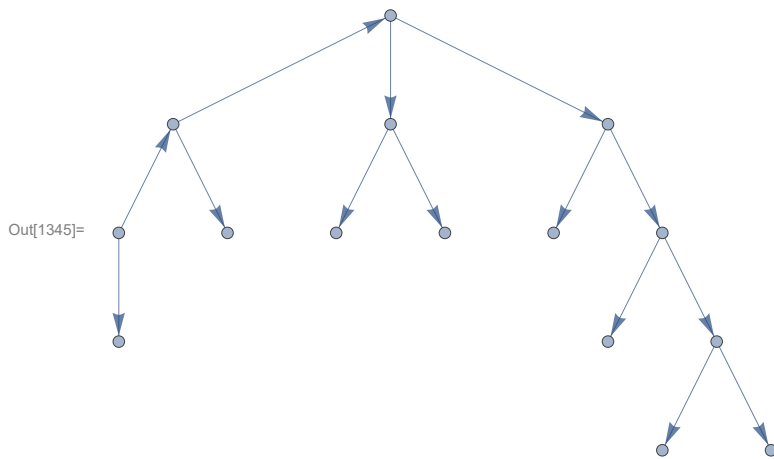
$$\text{Out[1335]} = \left\{ -x^4 + x^6 + G^3 (-3x^3 + 2x^5) + G^2 (1 - 3x^2 + 7x^4 - 3x^6) + G (-x + 3x^3 - 5x^5 + x^7) \right\}$$



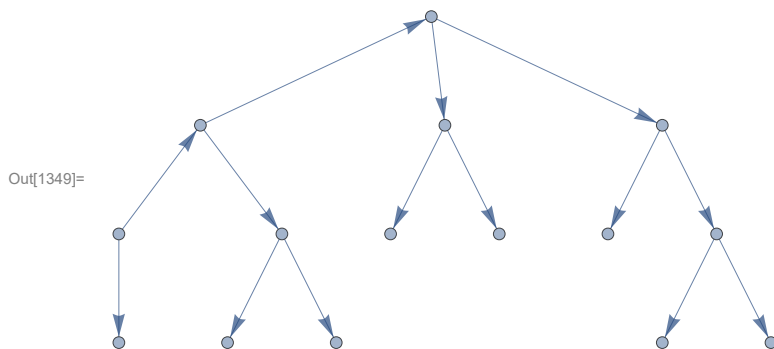
$$\text{Out[1339]} = \left\{ -x^4 + x^6 + G^3 (-3x^3 + 2x^5) + G^2 (1 - 3x^2 + 7x^4 - 3x^6) + G (-x + 3x^3 - 5x^5 + x^7) \right\}$$



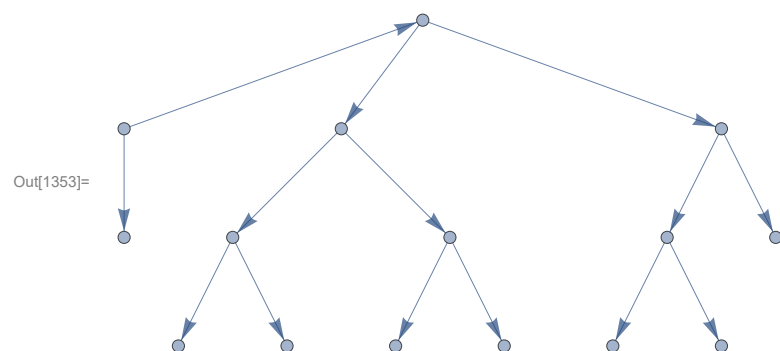
$$\text{Out[1343]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



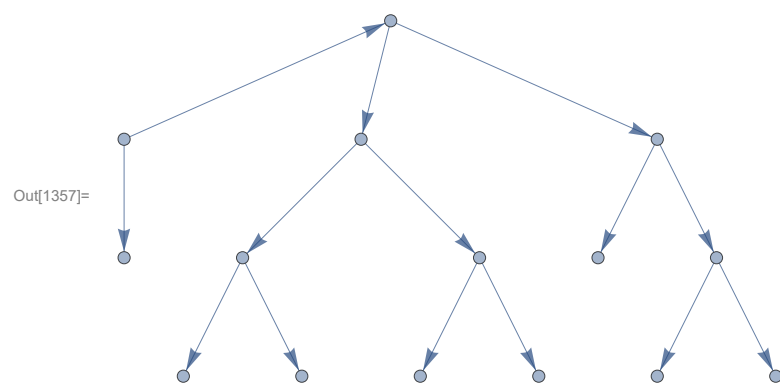
$$\text{Out[1347]} = \left\{ x^4 + G \left(x - 3x^3 + 3x^5 \right) + G^2 \left(-1 + 3x^2 - 6x^4 + 3x^6 \right) + G^3 \left(3x^3 - 3x^5 + x^7 \right) \right\}$$



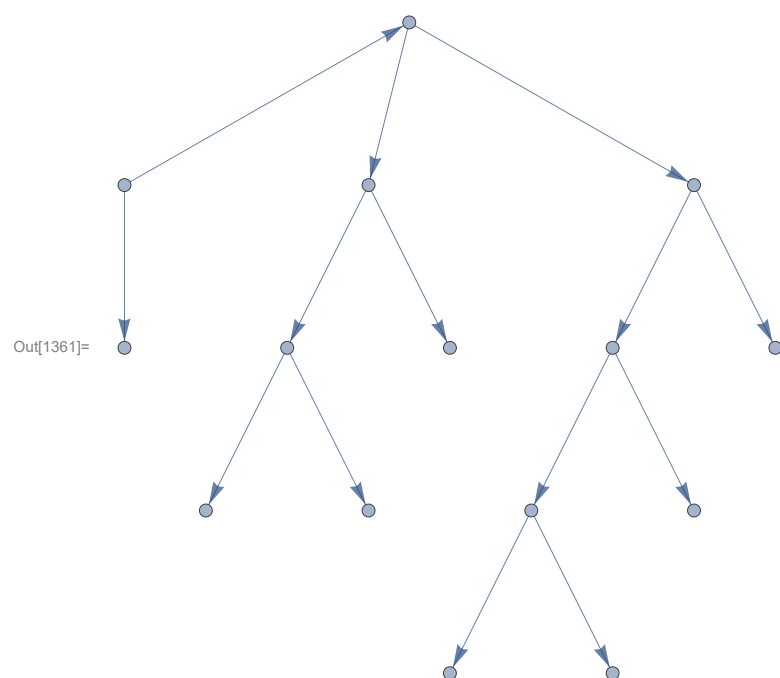
$$\text{Out[1351]} = \left\{ x^4 + G \left(x - 3x^3 + 2x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3x^2 - 4x^4 + 2x^6 \right) + G^3 \left(2x^3 - 3x^5 + x^7 \right) \right\}$$



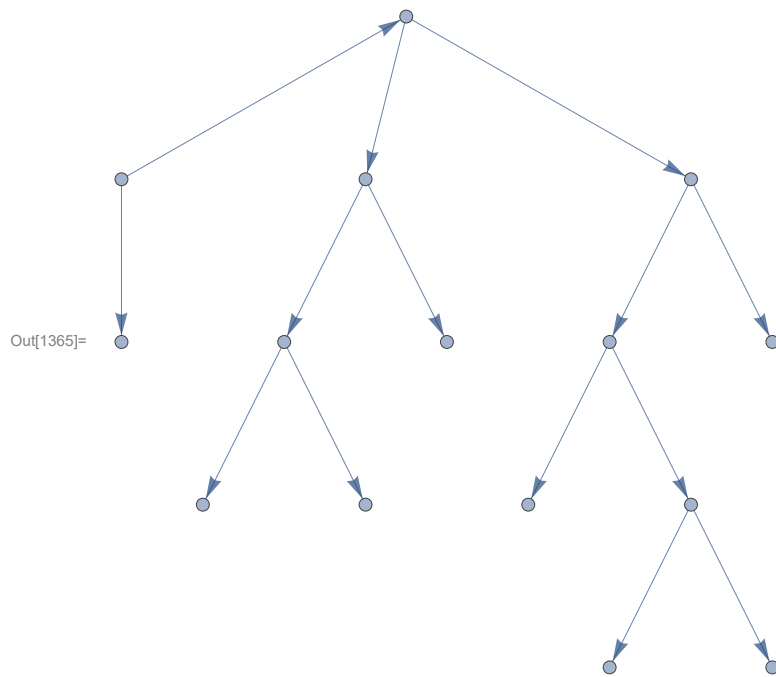
$$\text{Out[1355]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



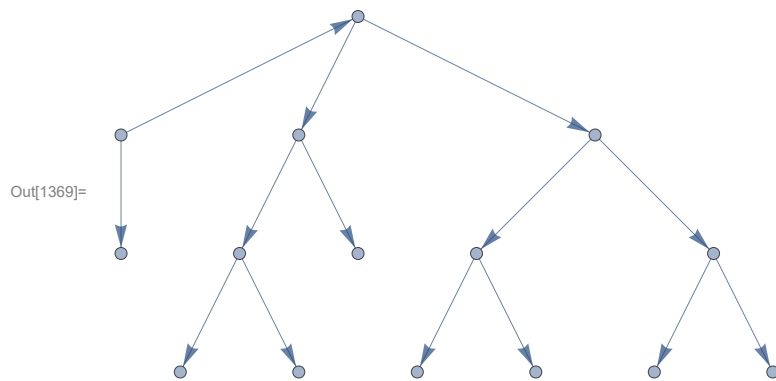
$$\text{Out[1359]} = \left\{ x^4 + G \left(x - 3x^3 + 2x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3x^2 - 4x^4 + 2x^6 \right) + G^3 \left(2x^3 - 3x^5 + x^7 \right) \right\}$$



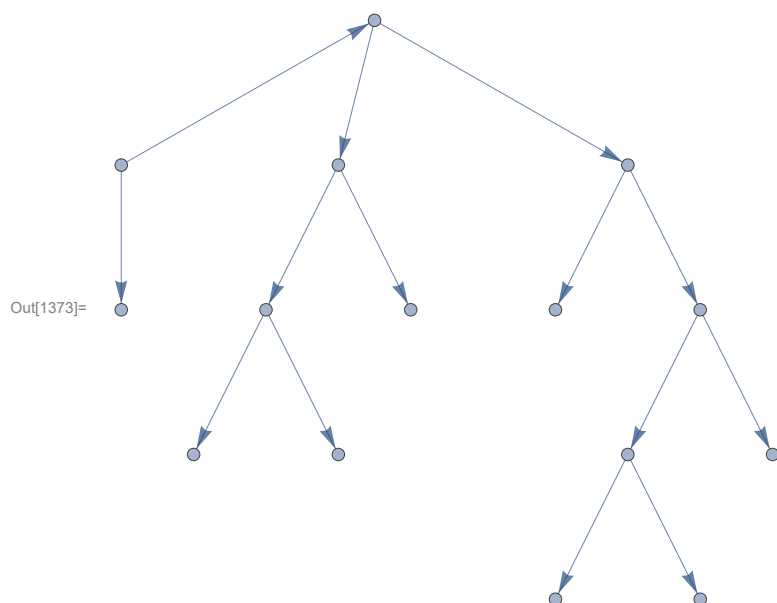
$$\text{Out[1363]} = \left\{ 3G^4 x^3 + x^7 + G^3 \left(-1 + 3x^2 - 9x^4 \right) + G^2 \left(x - 3x^3 + 10x^5 \right) + G \left(x^4 - 5x^6 \right) \right\}$$



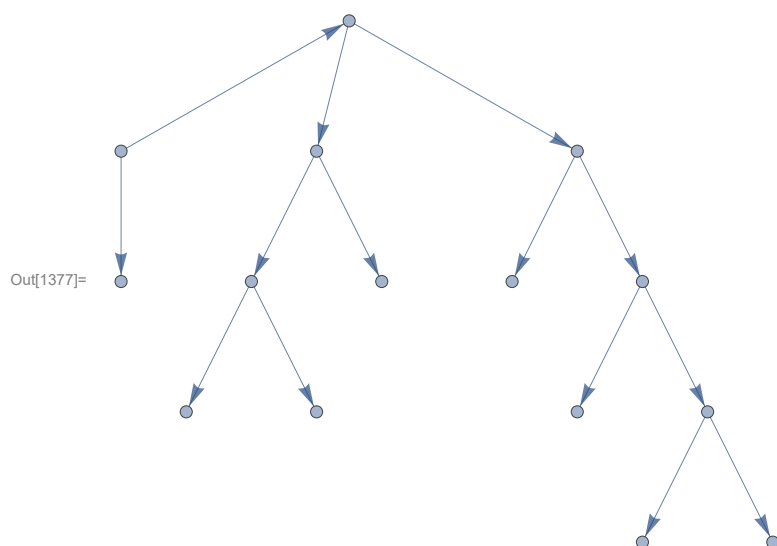
$$\text{Out[1367]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



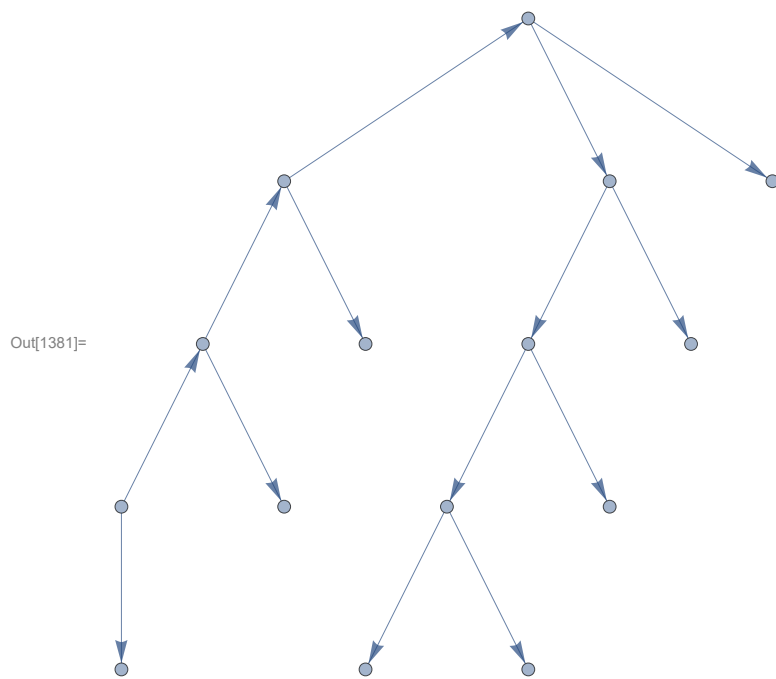
$$\text{Out[1371]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 \left(-2x^3 + 3x^5 \right) + G^2 \left(1 - 3x^2 + 5x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 4x^5 + x^7 \right) \right\}$$



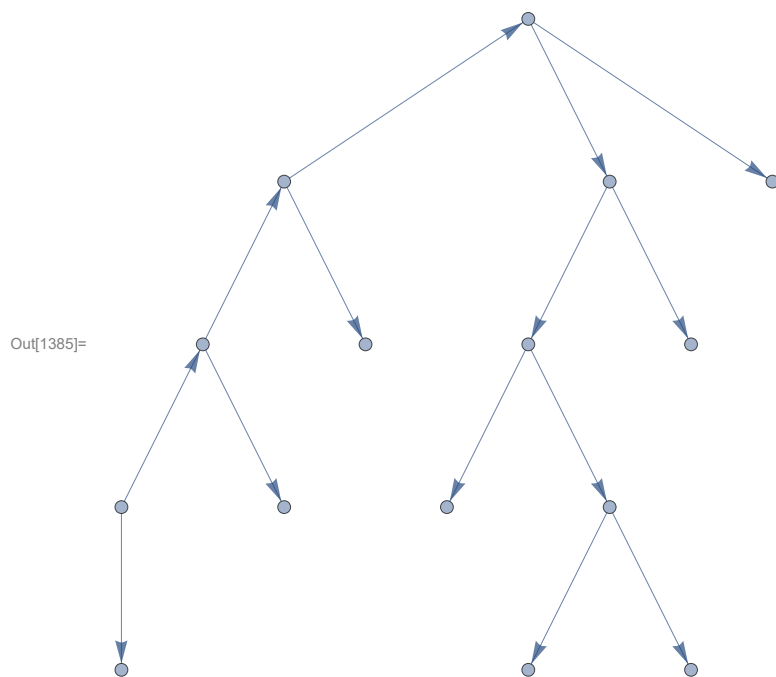
$$\text{Out[1375]} = \left\{ -x^9 + x^{11} + G^5 \left(-x^4 - 2x^6 \right) + G^4 \left(-x^3 + 9x^7 \right) + \right. \\ \left. G^3 \left(1 - 3x^2 + 2x^4 + 6x^6 - 16x^8 \right) + G^2 \left(-x + 3x^3 - x^5 - 9x^7 + 14x^9 \right) + G \left(-x^4 + 5x^8 - 6x^{10} \right) \right\}$$



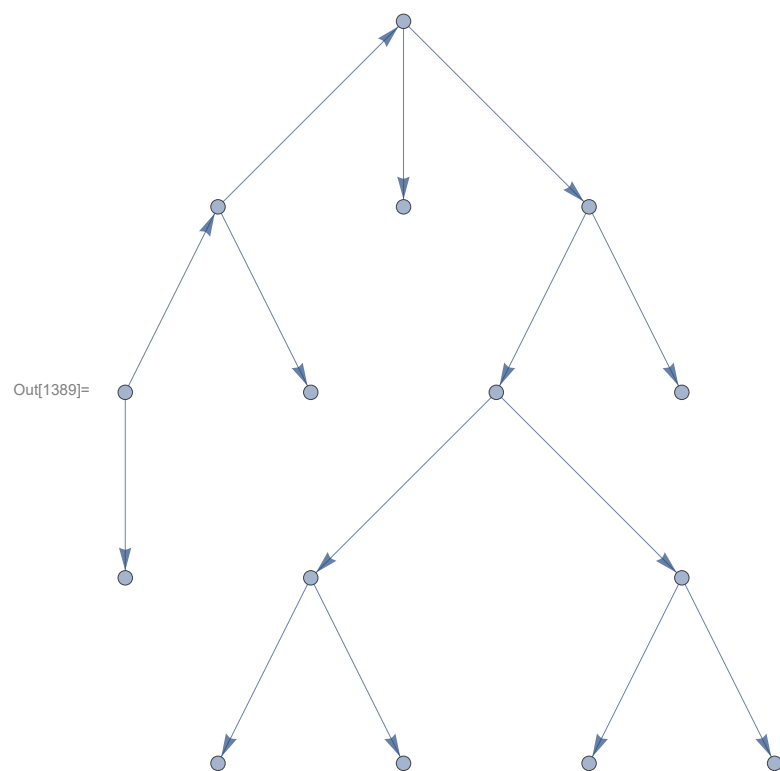
$$\text{Out[1379]} = \left\{ x^4 + G^5 x^5 + G \left(x - 3x^3 + x^5 \right) + G^4 \left(x^4 - 2x^6 \right) + G^2 \left(-1 + 3x^2 - 2x^4 + x^6 \right) + G^3 \left(x^3 - 2x^5 + x^7 \right) \right\}$$



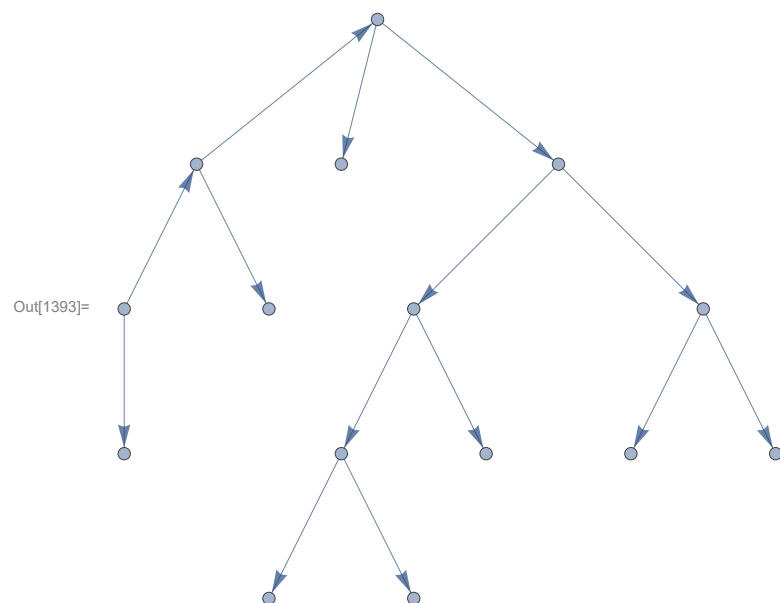
$$\text{Out[1383]} = \left\{ 2 G^4 x^3 - x^5 + x^7 + G^3 \left(-1 + 4 x^2 - 7 x^4 \right) + G^2 \left(x - 6 x^3 + 9 x^5 \right) + G \left(4 x^4 - 5 x^6 \right) \right\}$$



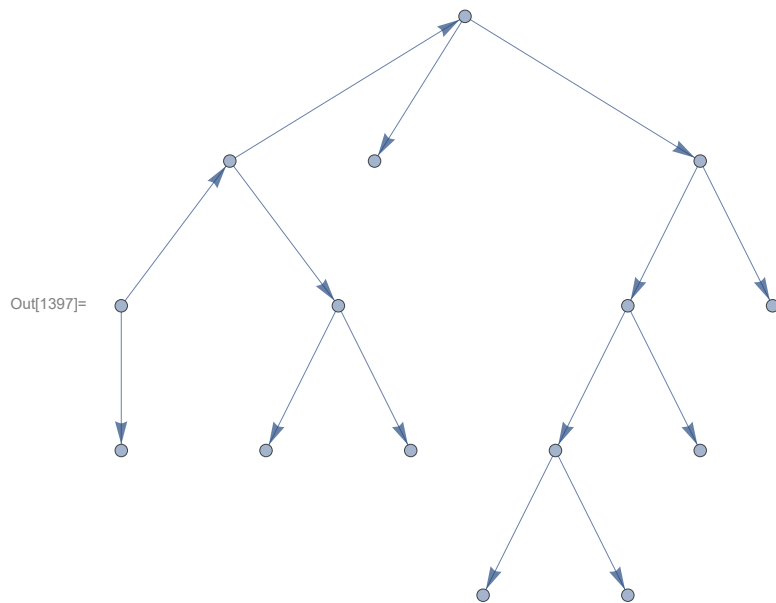
$$\text{Out[1387]} = \left\{ -x^4 + x^6 + G^3 \left(-3 x^3 + 2 x^5 \right) + G^2 \left(1 - 3 x^2 + 7 x^4 - 3 x^6 \right) + G \left(-x + 3 x^3 - 5 x^5 + x^7 \right) \right\}$$



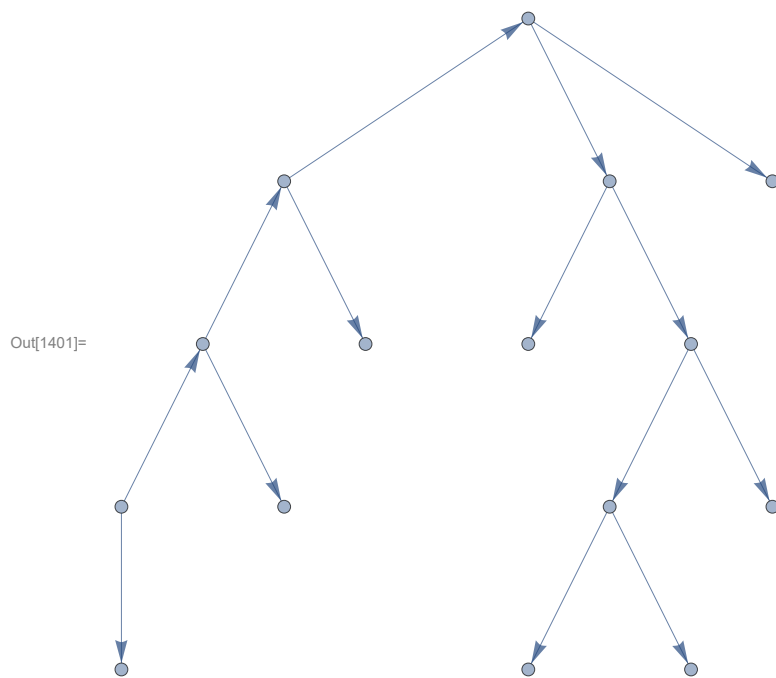
$$\text{Out[1391]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 (-2x^3 + 3x^5) + G^2 (1 - 3x^2 + 5x^4 - 3x^6) + G (-x + 3x^3 - 4x^5 + x^7) \right\}$$



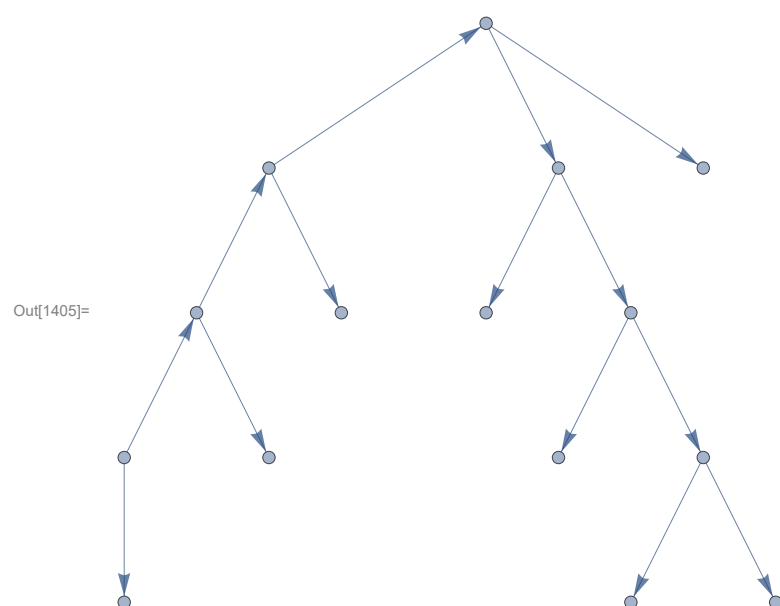
$$\text{Out[1395]} = \left\{ -x^4 + x^6 + G^3 (-3x^3 + 2x^5) + G^2 (1 - 3x^2 + 7x^4 - 3x^6) + G (-x + 3x^3 - 5x^5 + x^7) \right\}$$



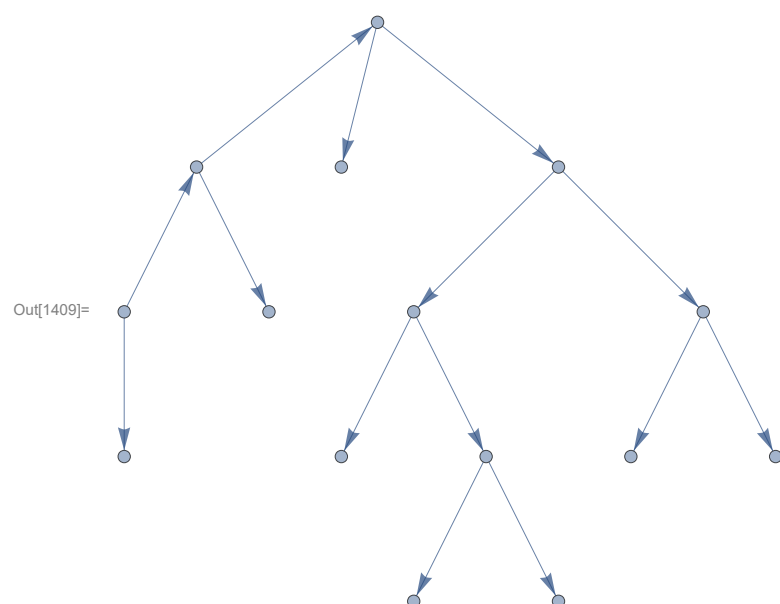
$$\text{Out[1399]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



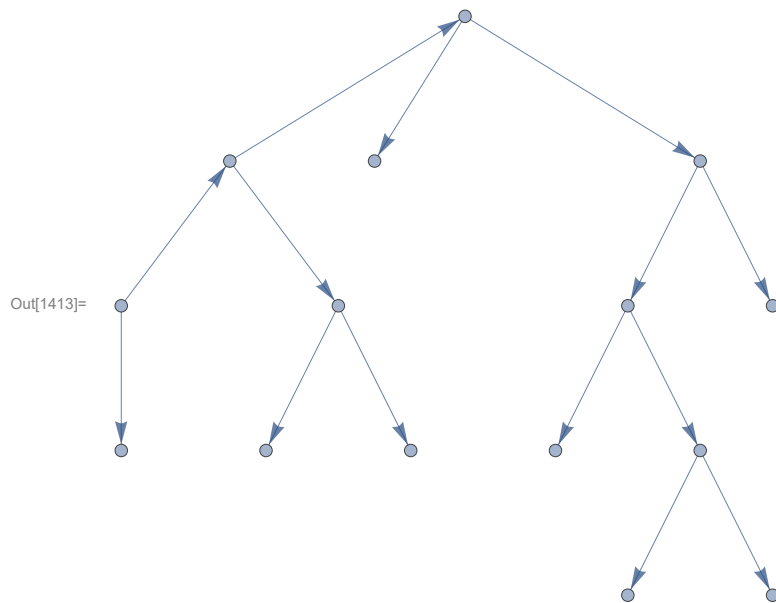
$$\text{Out[1403]} = \left\{ -x + x^3 - 2G^3 x^4 - x^5 + x^7 + G^2 \left(-2x^3 + 5x^5 \right) + G \left(1 - 2x^2 + 3x^4 - 4x^6 \right) \right\}$$



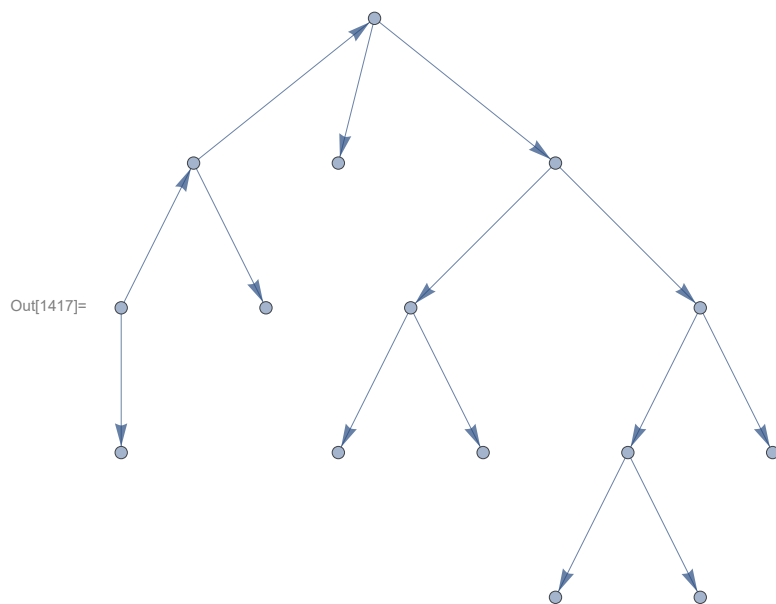
$$\text{Out[1407]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



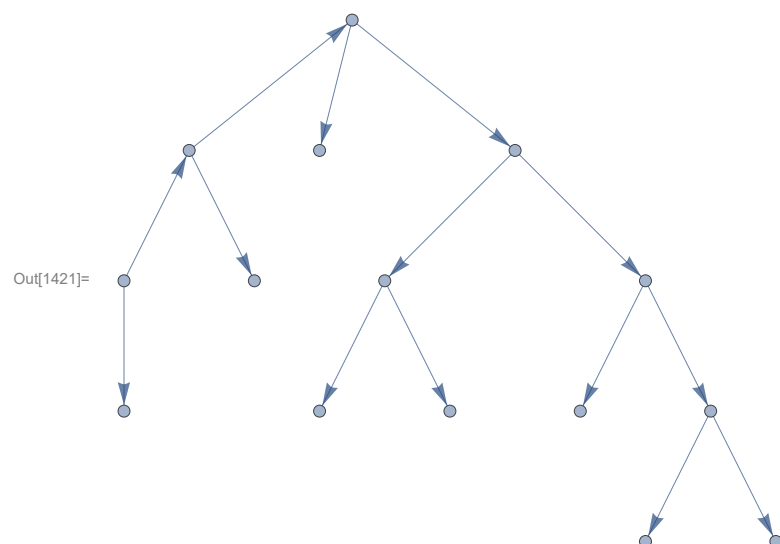
$$\text{Out[1411]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



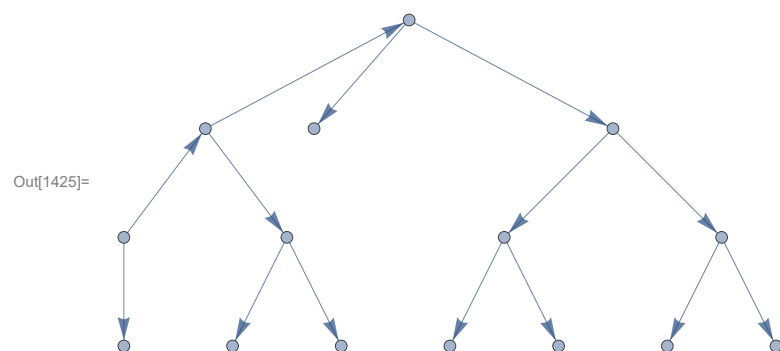
$$\text{Out[1415]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$



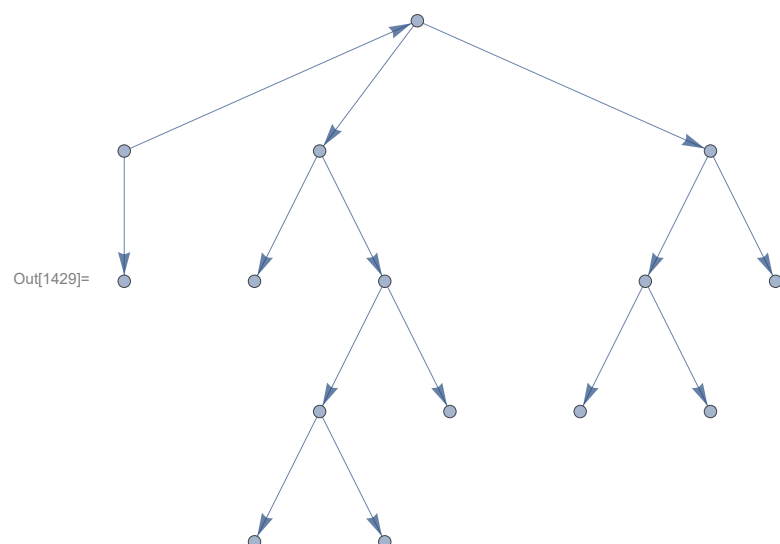
$$\text{Out[1419]} = \left\{ -x + x^3 - 2x^5 + x^7 + G^2 (-4x^3 + 4x^5) + G (1 - 2x^2 + 6x^4 - 4x^6) \right\}$$



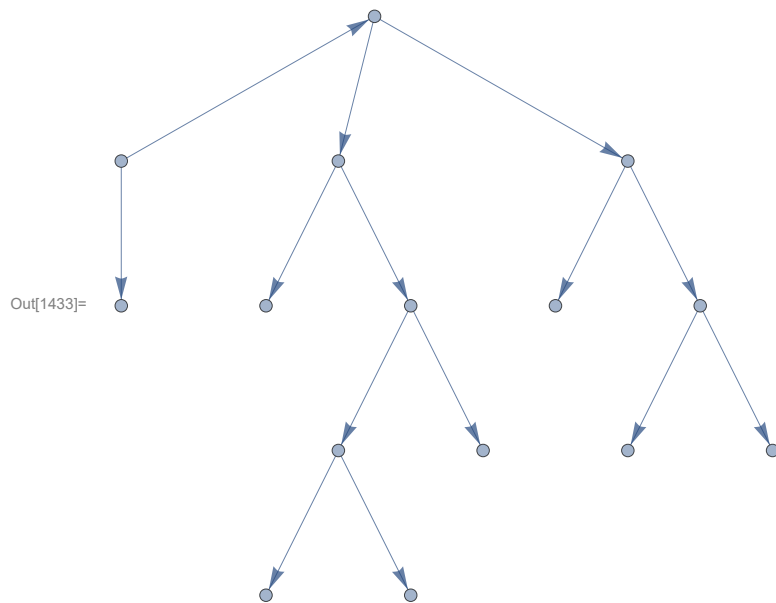
$$\text{Out[1423]} = \left\{ x^2 - x^4 + x^6 + G^3 \left(-4x^3 + 5x^5 - 2x^7 \right) + G \left(-2x + 3x^3 - 6x^5 + 2x^7 \right) + G^2 \left(1 - 2x^2 + 9x^4 - 7x^6 + x^8 \right) \right\}$$



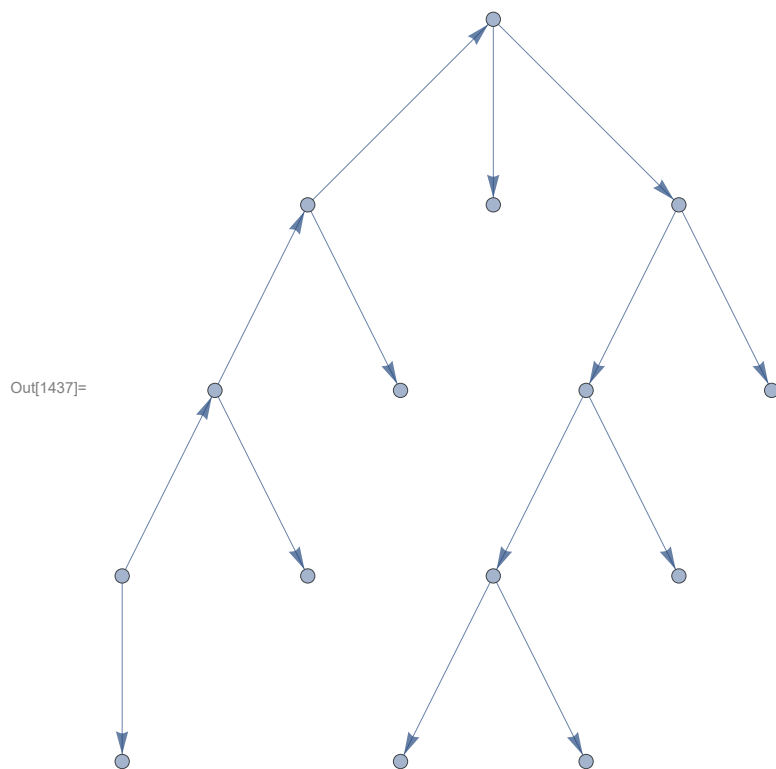
$$\text{Out[1427]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$



$$\text{Out[1431]} = \left\{ -x + x^3 - 2x^5 + x^7 + G^2 \left(-4x^3 + 4x^5 \right) + G \left(1 - 2x^2 + 6x^4 - 4x^6 \right) \right\}$$

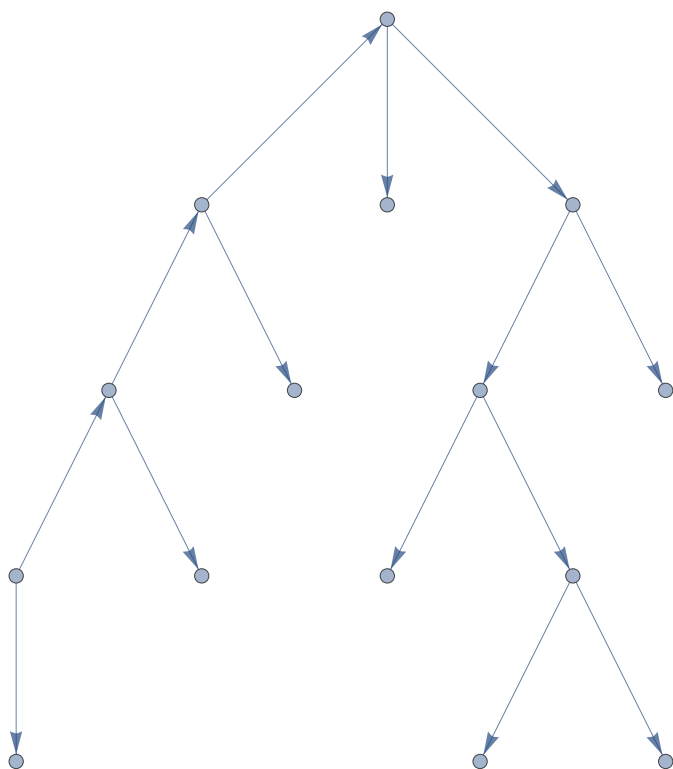


$$\text{Out[1435]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$



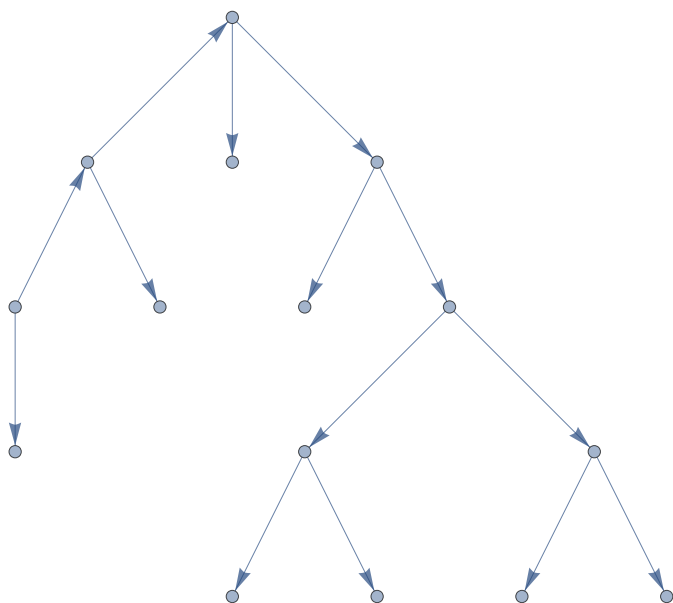
$$\text{Out[1439]} = \left\{ -x^4 + x^6 + G^3 (-3x^3 + 2x^5) + G^2 (1 - 3x^2 + 7x^4 - 3x^6) + G (-x + 3x^3 - 5x^5 + x^7) \right\}$$

Out[1441]=

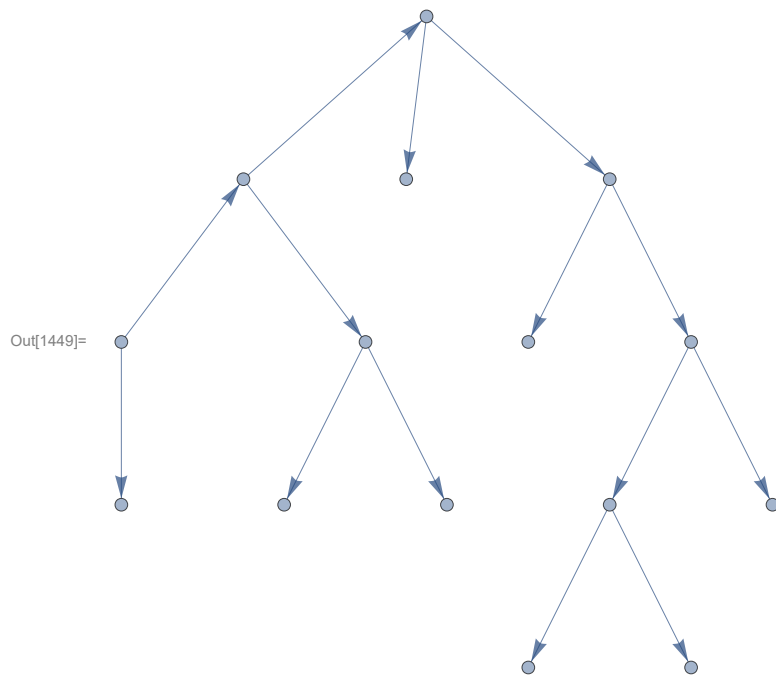


$$\text{Out[1443]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2x^2 - 4x^4 + 2x^6) + G^2 (3x^3 - 4x^5 + x^7) \right\}$$

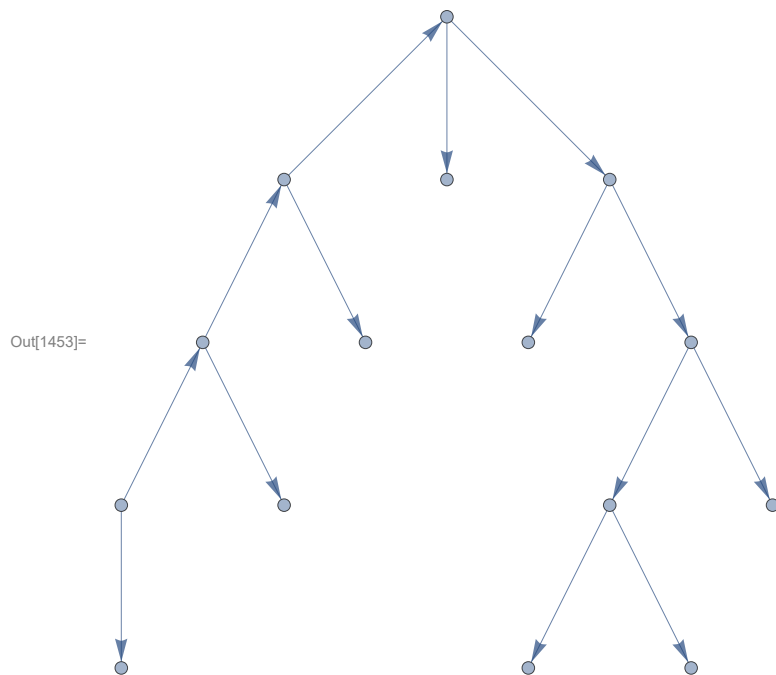
Out[1445]=



$$\text{Out[1447]} = \left\{ x^2 - x^4 + x^6 + G^3 (-4x^3 + 5x^5 - 2x^7) + G (-2x + 3x^3 - 6x^5 + 2x^7) + G^2 (1 - 2x^2 + 9x^4 - 7x^6 + x^8) \right\}$$

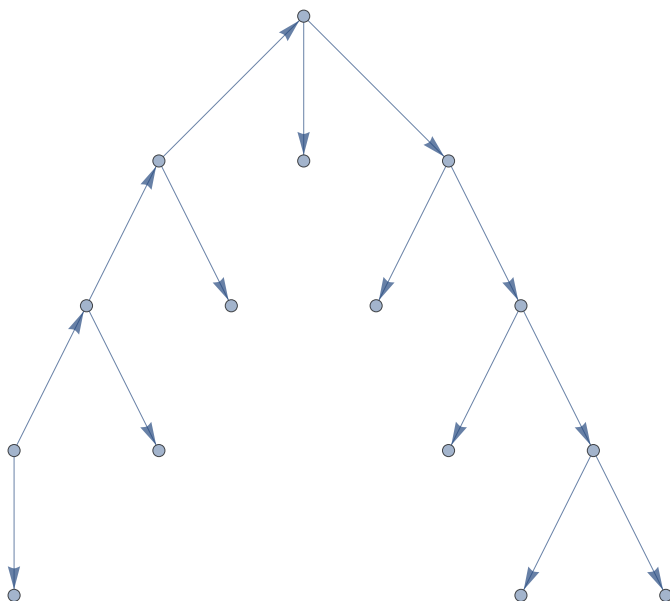


$$\text{Out[1451]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$



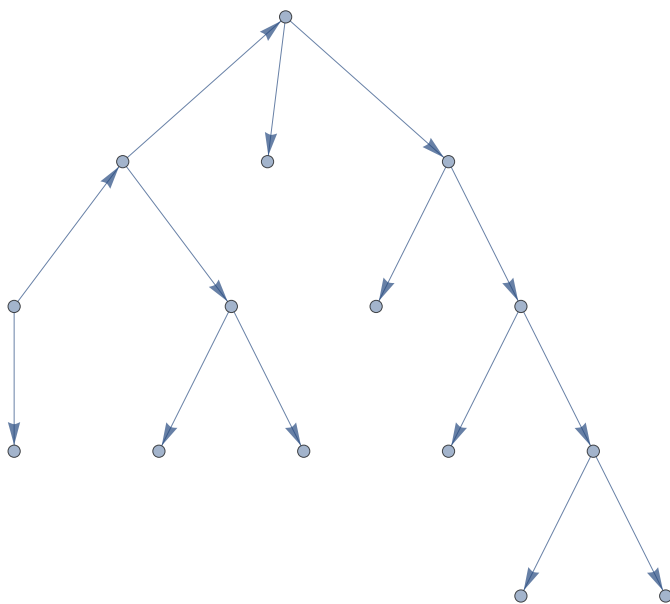
$$\text{Out[1455]} = \left\{ x^2 - x^4 + x^6 + G^3 (-4x^3 + 5x^5 - 2x^7) + G (-2x + 3x^3 - 6x^5 + 2x^7) + G^2 (1 - 2x^2 + 9x^4 - 7x^6 + x^8) \right\}$$

Out[1457]=

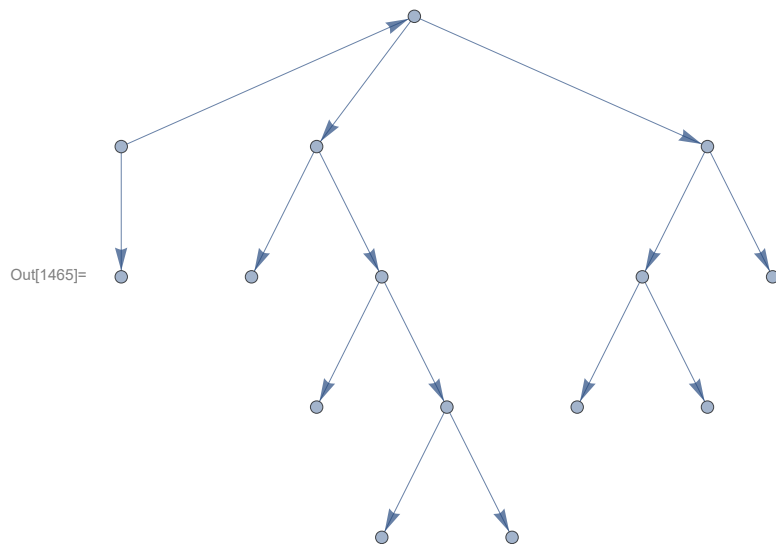


$$\text{Out[1459]} = \left\{ -x^3 + x^5 + G \left(3x^2 - 4x^4 + 4x^6 \right) + G^2 \left(-3x + 5x^3 - 12x^5 + 6x^7 \right) + G^3 \left(1 - 2x^2 + 12x^4 - 12x^6 + 4x^8 \right) + G^4 \left(-4x^3 + 6x^5 - 4x^7 + x^9 \right) \right\}$$

Out[1461]=

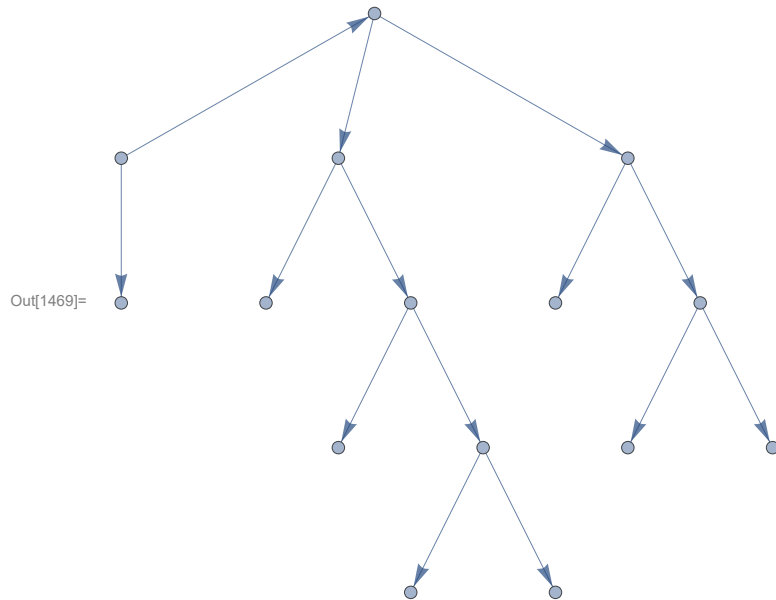


$$\text{Out[1463]} = \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 3x^5 \right) + G^3 \left(-2x^4 + 2x^6 \right) \right\}$$



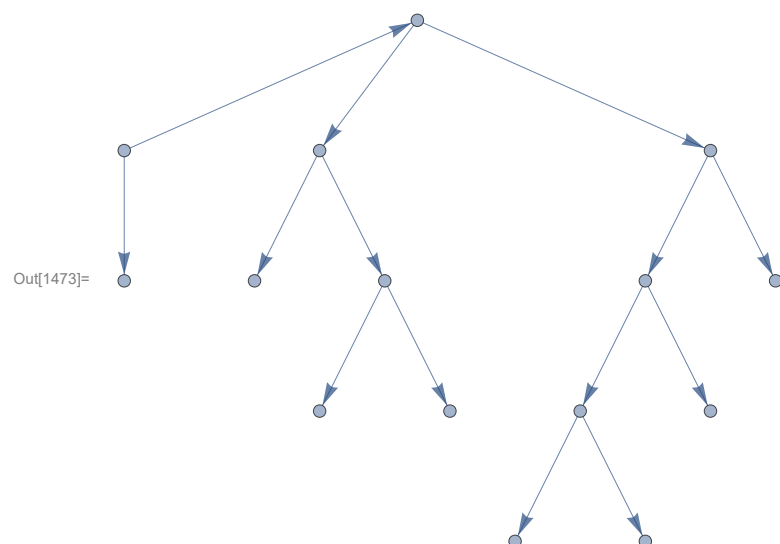
Out[1465]=

$$\text{Out[1467]} = \left\{ x - x^3 + x^5 + G^3 (x^4 - 2x^6) + G (-1 + 2x^2 - 4x^4 + x^6) + G^2 (3x^3 - 3x^5 + x^7) \right\}$$

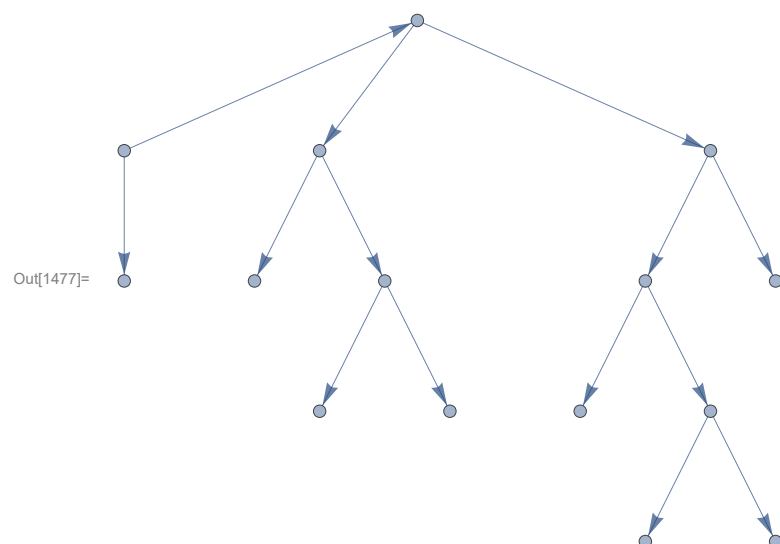


Out[1469]=

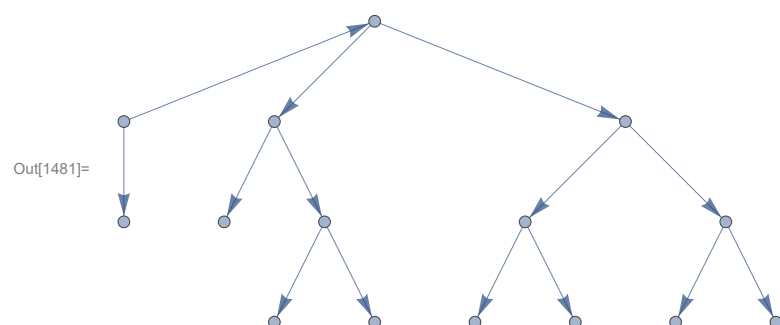
$$\text{Out[1471]} = \left\{ -x + x^3 + G^4 x^7 + G (1 - 2x^2 + 2x^4) + G^2 (-2x^3 + 3x^5) + G^3 (-2x^4 + 2x^6) \right\}$$



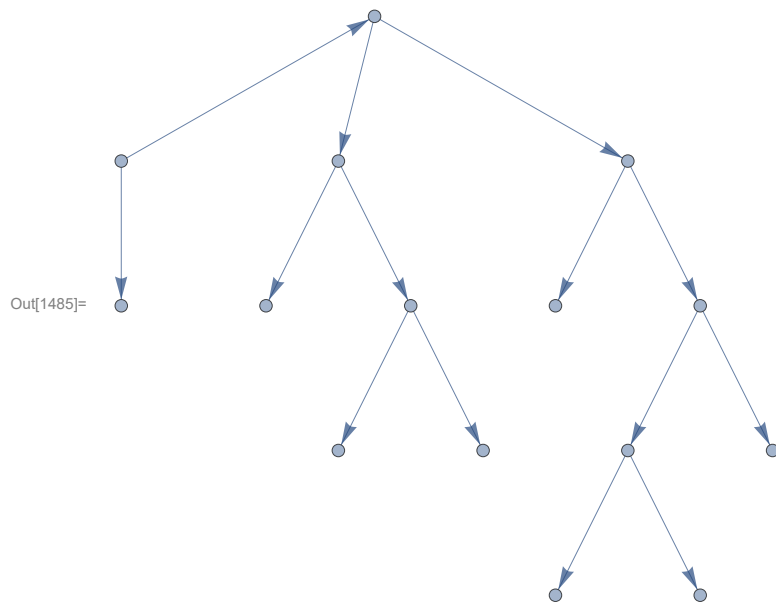
$$\text{Out[1475]} = \left\{ -x^4 + x^6 + G^3 \left(-3x^3 + 2x^5 \right) + G^2 \left(1 - 3x^2 + 7x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 5x^5 + x^7 \right) \right\}$$



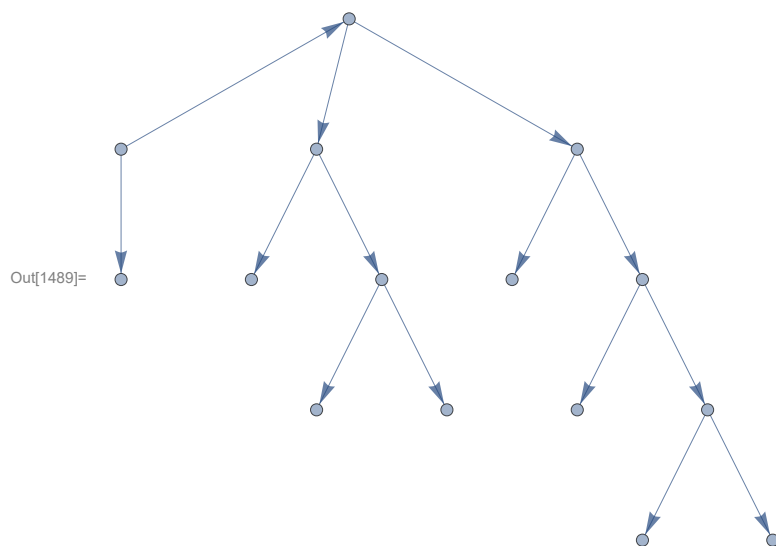
$$\text{Out[1479]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$



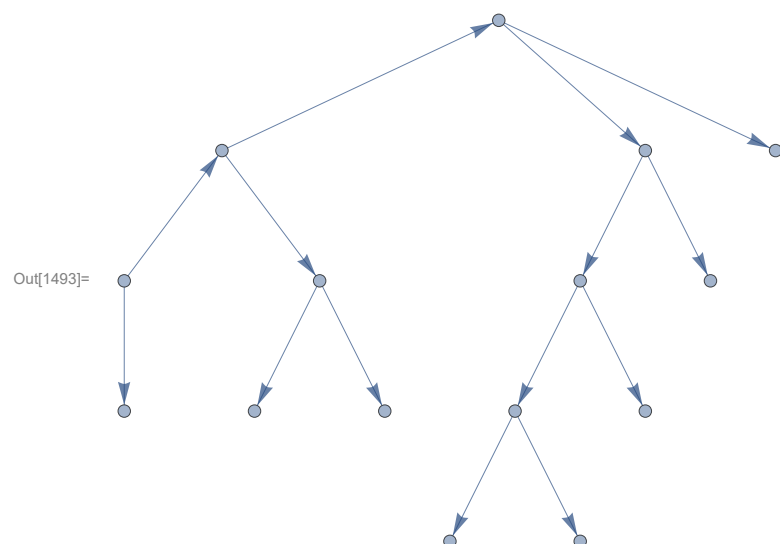
$$\text{Out[1483]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$



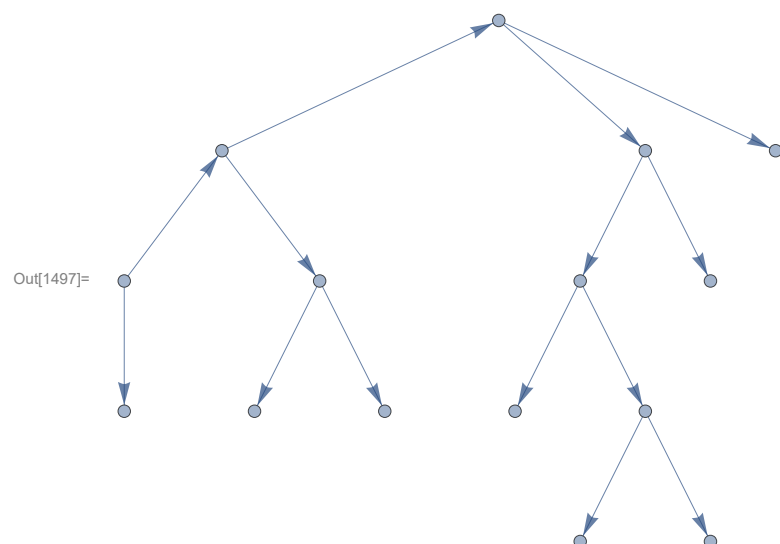
$$\text{Out[1487]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 5x^8 - 2x^{10} \right) + \right. \\ \left. G \left(1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10} \right) + G^2 \left(-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11} \right) \right\}$$



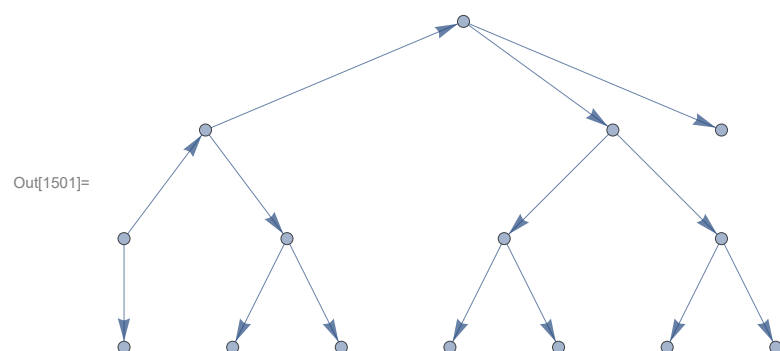
$$\text{Out[1491]} = \left\{ -x + x^3 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 2x^5 \right) + G^3 \left(-x^4 + 2x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



$$\text{Out[1495]} = \left\{ 2 G^4 x^3 - x^5 + x^7 + G^3 (-1 + 4 x^2 - 7 x^4) + G^2 (x - 6 x^3 + 9 x^5) + G (4 x^4 - 5 x^6) \right\}$$

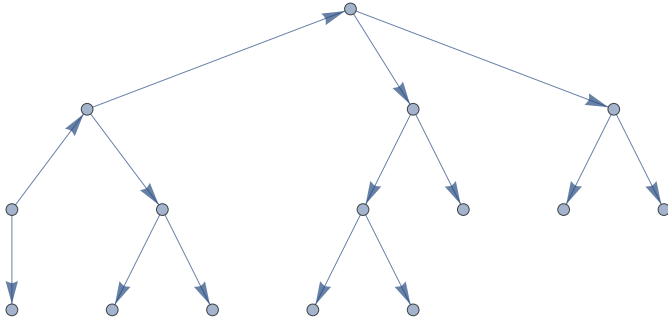


$$\text{Out[1499]} = \left\{ -x^4 + x^6 + G^3 (-3 x^3 + 2 x^5) + G^2 (1 - 3 x^2 + 7 x^4 - 3 x^6) + G (-x + 3 x^3 - 5 x^5 + x^7) \right\}$$



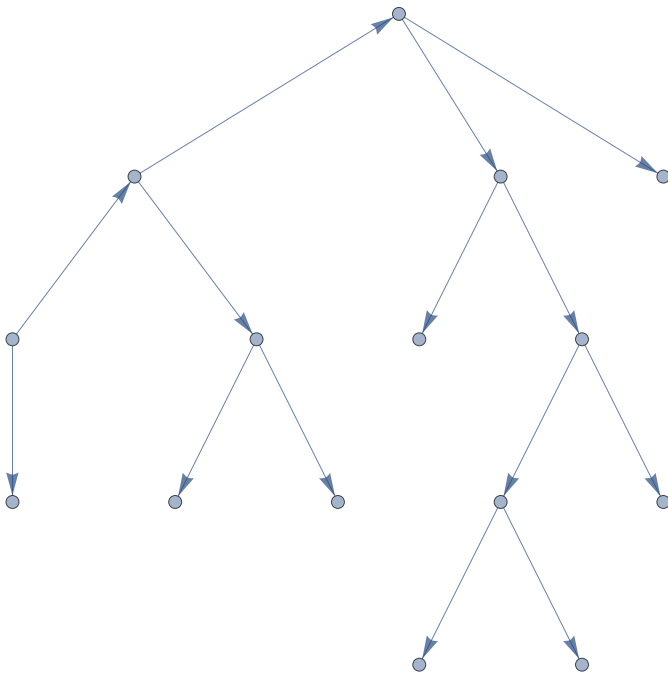
$$\text{Out[1503]} = \left\{ -x^4 + x^6 + G^3 (-3 x^3 + 2 x^5) + G^2 (1 - 3 x^2 + 7 x^4 - 3 x^6) + G (-x + 3 x^3 - 5 x^5 + x^7) \right\}$$

Out[1505]=



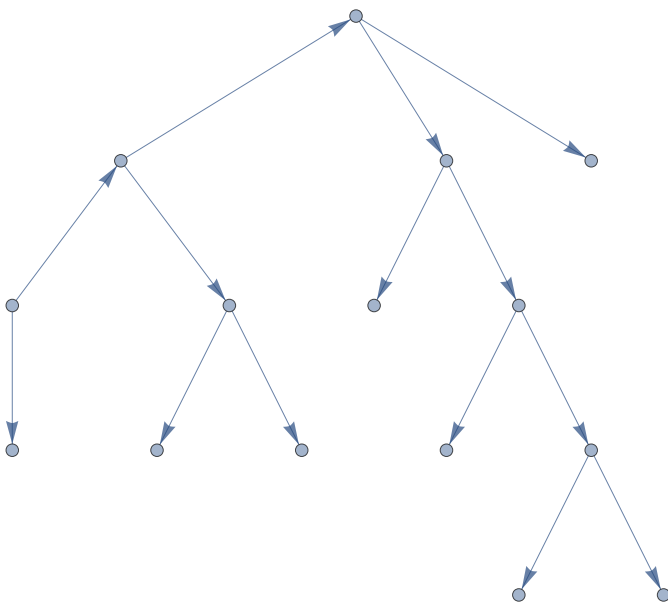
$$\text{Out[1507]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 (-2x^3 + 3x^5) + G^2 (1 - 3x^2 + 5x^4 - 3x^6) + G (-x + 3x^3 - 4x^5 + x^7) \right\}$$

Out[1509]=

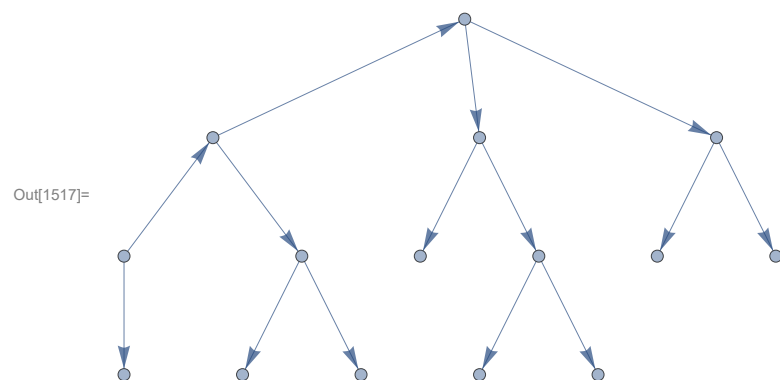


$$\text{Out[1511]} = \left\{ -x + x^3 - 2x^5 + x^7 + G^2 (-4x^3 + 4x^5) + G (1 - 2x^2 + 6x^4 - 4x^6) \right\}$$

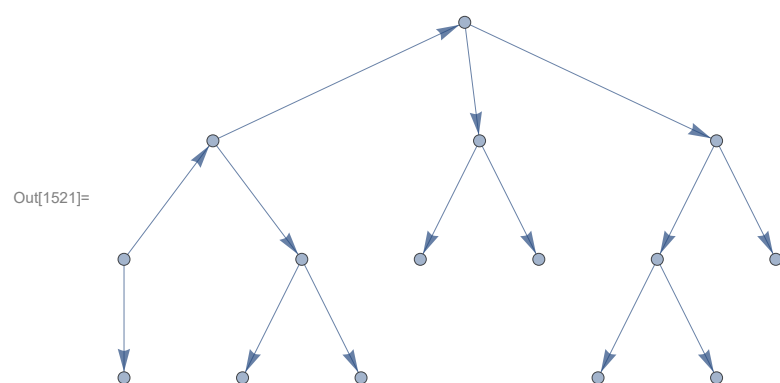
Out[1513]=



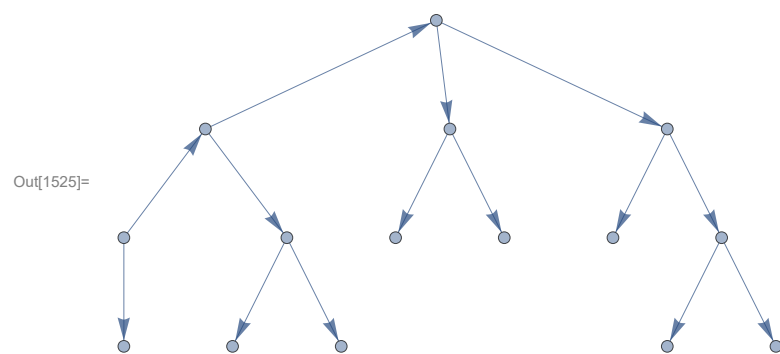
$$\text{Out}[1515]= \left\{ x - x^3 + x^5 + G^3 (x^4 - 2 x^6) + G (-1 + 2 x^2 - 4 x^4 + x^6) + G^2 (3 x^3 - 3 x^5 + x^7) \right\}$$



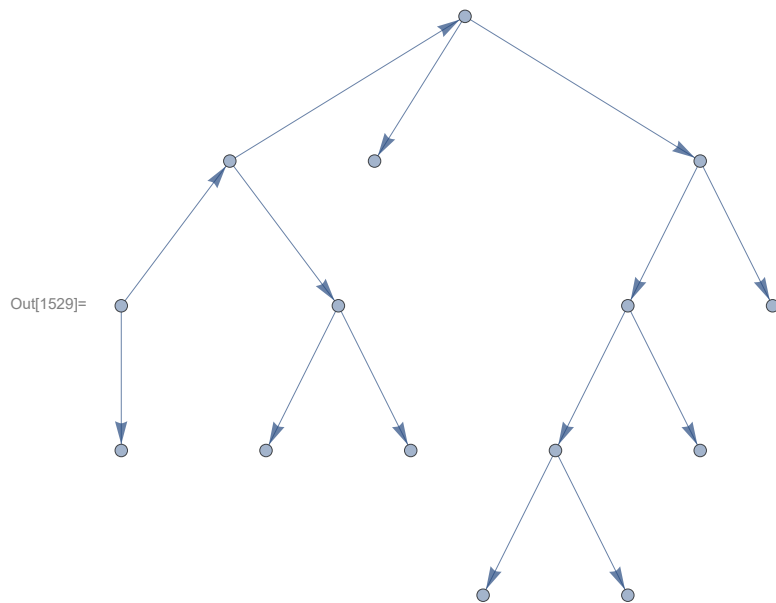
$$\text{Out}[1519]= \left\{ x - x^3 + x^5 + G^3 (x^4 - x^6) + G (-1 + 2 x^2 - 4 x^4 + 2 x^6) + G^2 (3 x^3 - 4 x^5 + x^7) \right\}$$



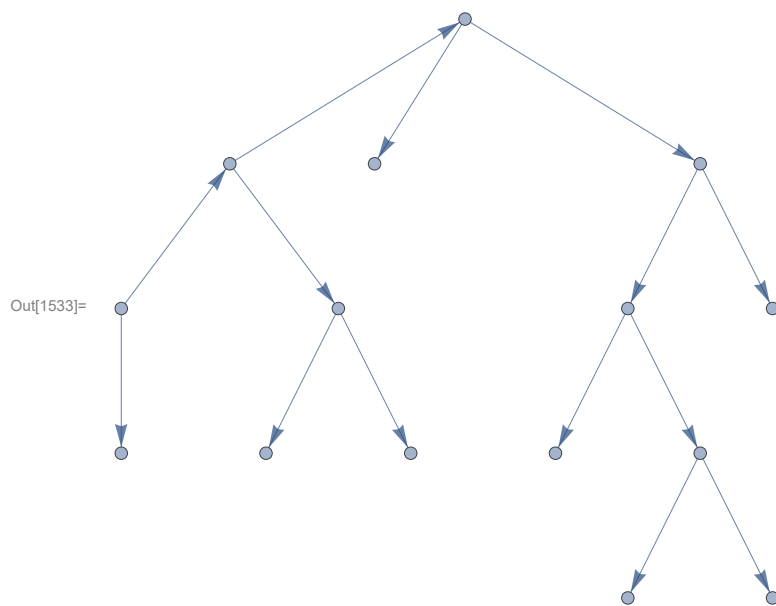
$$\text{Out}[1523]= \left\{ -x + x^3 - 2 G^3 x^4 - x^5 + x^7 + G^2 (-2 x^3 + 5 x^5) + G (1 - 2 x^2 + 3 x^4 - 4 x^6) \right\}$$



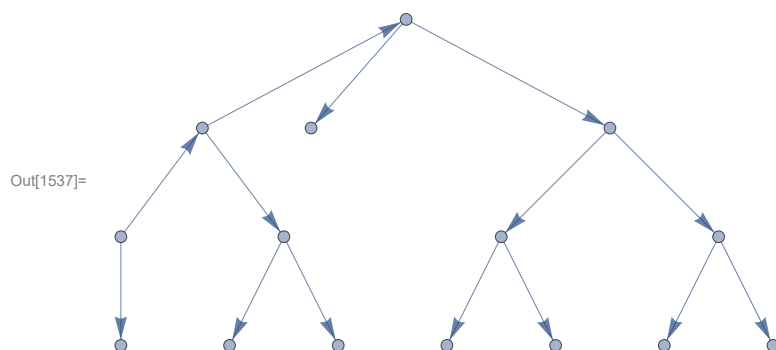
$$\text{Out}[1527]= \left\{ x - x^3 + x^5 + G^4 x^5 + G^3 (x^4 - 2 x^6) + G (-1 + 2 x^2 - 3 x^4 + x^6) + G^2 (2 x^3 - 2 x^5 + x^7) \right\}$$



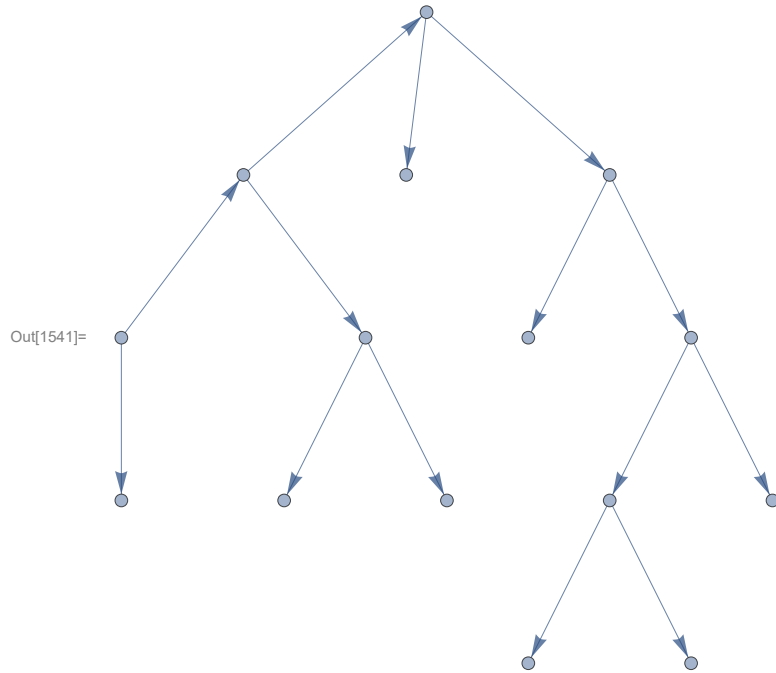
$$\text{Out[1531]} = \left\{ -x^9 + x^{11} + G^5 \left(-x^4 - 2x^6 \right) + G^4 \left(-x^3 + 9x^7 \right) + \right. \\ \left. G^3 \left(1 - 3x^2 + 2x^4 + 6x^6 - 16x^8 \right) + G^2 \left(-x + 3x^3 - x^5 - 9x^7 + 14x^9 \right) + G \left(-x^4 + 5x^8 - 6x^{10} \right) \right\}$$



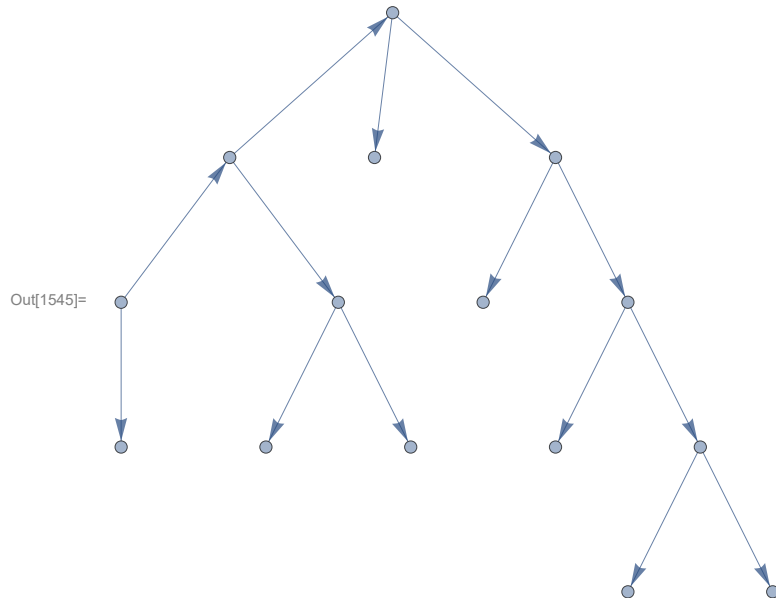
$$\text{Out[1535]} = \left\{ -x + x^3 - x^7 + x^9 + G^3 \left(-x^4 - 2x^6 + 5x^8 - 2x^{10} \right) + \right. \\ \left. G \left(1 - 2x^2 + 2x^4 + 2x^6 - 6x^8 + 2x^{10} \right) + G^2 \left(-2x^3 + x^5 + 8x^7 - 7x^9 + x^{11} \right) \right\}$$



$$\text{Out}[1539]= \left\{ -x + x^3 - x^7 + x^9 + G^4 (-x^5 - x^7) + G^3 (-x^4 + 3x^8) + \right. \\ \left. G^2 (-x^3 + 4x^7 - 3x^9) + G (1 - 2x^2 + x^4 + 2x^6 - 4x^8 + x^{10}) \right\}$$

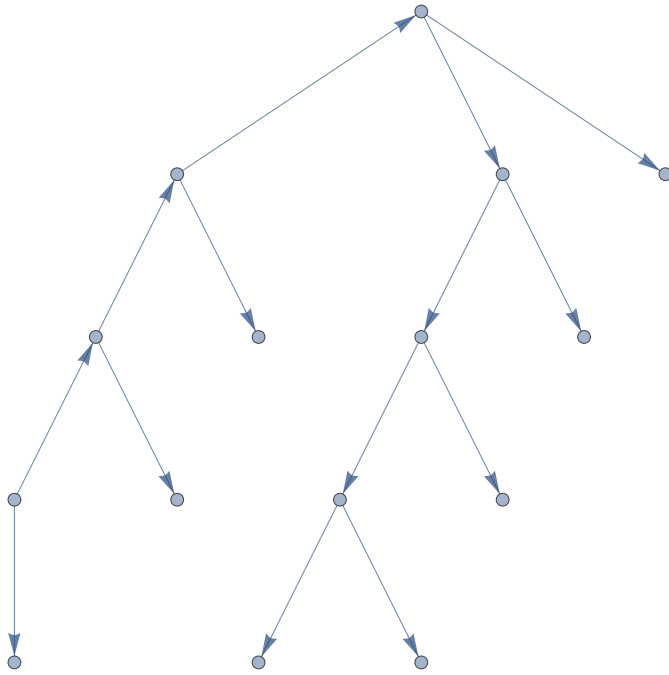


$$\text{Out}[1543]= \left\{ x - x^3 + x^5 - x^7 + x^9 - x^{11} + x^{13} - x^{15} + x^{17} + G^5 (-x^8 - x^{10} - 2x^{12}) + G^4 (x^5 + 5x^9 + 2x^{11} + 9x^{13}) + \right. \\ \left. G^3 (x^4 - 2x^6 + 2x^8 - 10x^{10} + x^{12} - 16x^{14}) + G^2 (2x^3 - 3x^5 + 3x^7 - 5x^9 + 10x^{11} - 5x^{13} + 14x^{15}) + \right. \\ \left. G (-1 + 2x^2 - 3x^4 + 3x^6 - 3x^8 + 4x^{10} - 5x^{12} + 4x^{14} - 6x^{16}) \right\}$$



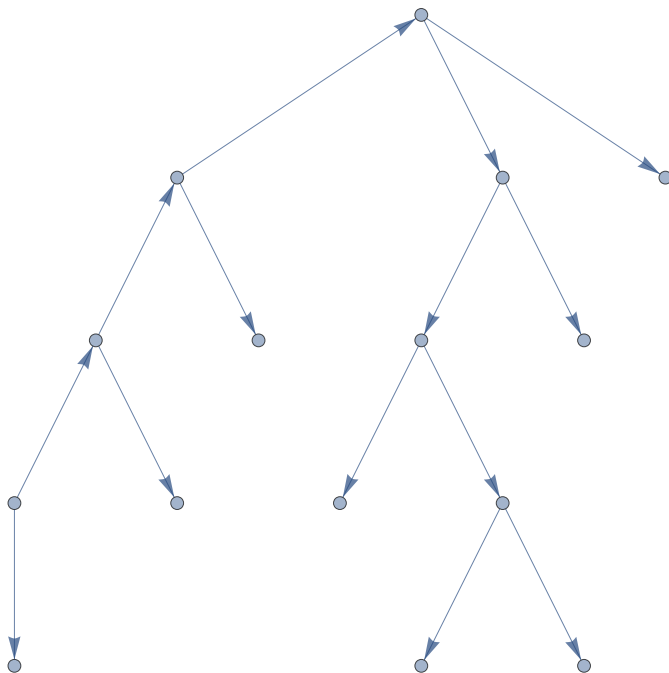
$$\text{Out}[1547]= \left\{ -x + x^3 - G^5 x^6 + G (1 - 2x^2 + x^4) + G^2 (-x^3 + x^5) + G^3 (-x^4 + x^6) + G^4 (-x^5 + x^7) \right\}$$

Out[1549]=

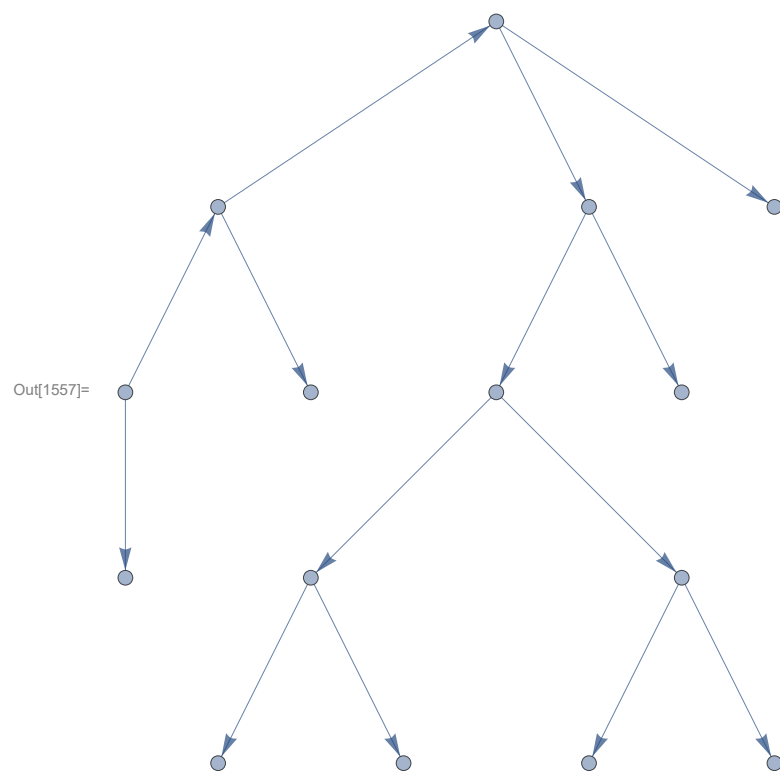


$$\text{Out[1551]} = \left\{ G^5 x^3 + x^6 + G^4 (-1 + 5 x^2 - 4 x^4) + G^3 (x - 10 x^3 + 6 x^5) + G^2 (10 x^4 - 4 x^6) + G (-5 x^5 + x^7) \right\}$$

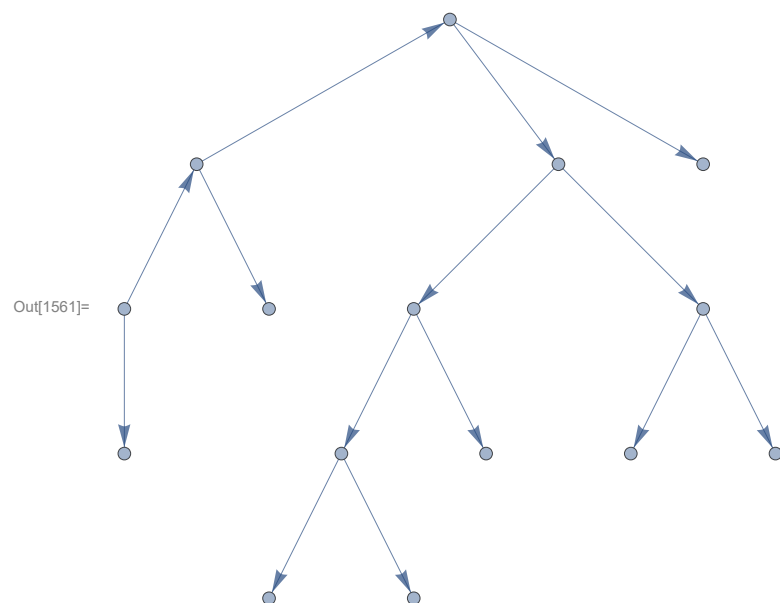
Out[1553]=



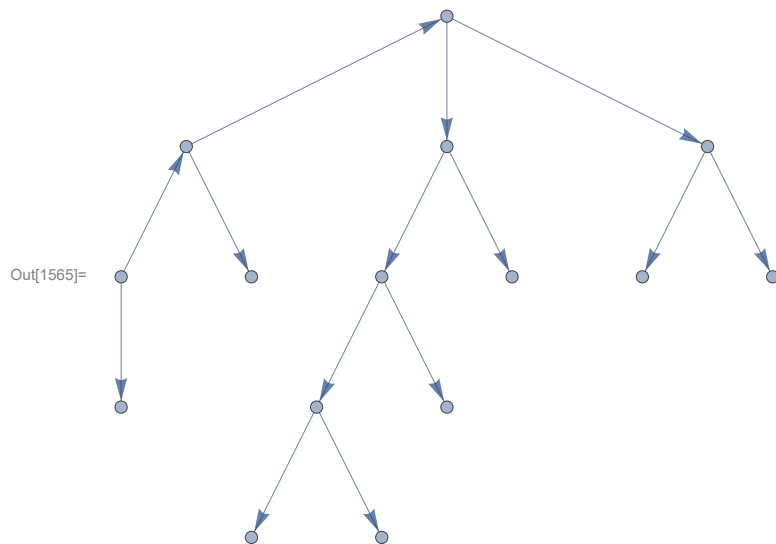
$$\text{Out[1555]} = \left\{ x^5 + G^4 (-2 x^3 + x^5) + G^3 (1 - 4 x^2 + 6 x^4 - 2 x^6) + G (-4 x^4 + 2 x^6) + G^2 (-x + 6 x^3 - 6 x^5 + x^7) \right\}$$



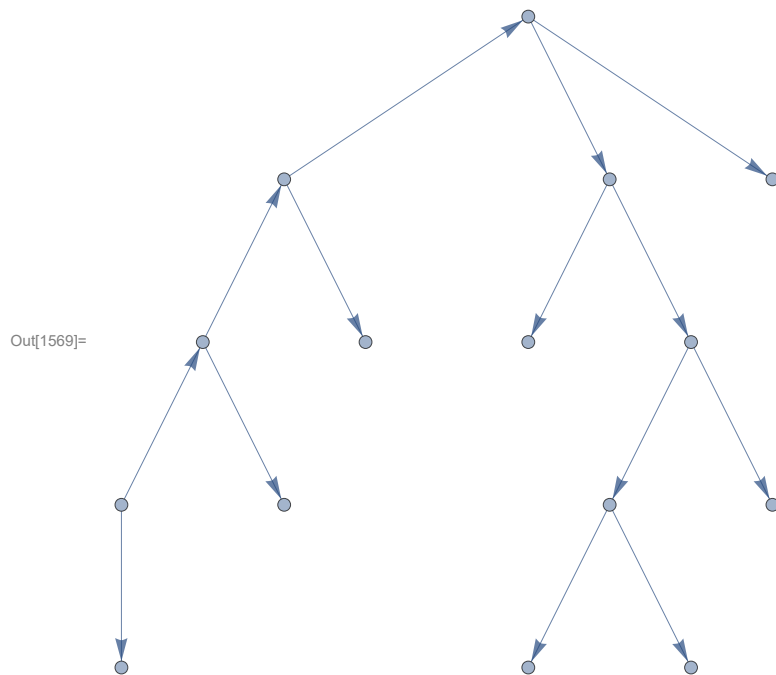
$$\text{Out[1559]} = \left\{ x^5 + G^4 \left(-2 x^3 + x^5 \right) + G^3 \left(1 - 4 x^2 + 6 x^4 - 2 x^6 \right) + G \left(-4 x^4 + 2 x^6 \right) + G^2 \left(-x + 6 x^3 - 6 x^5 + x^7 \right) \right\}$$



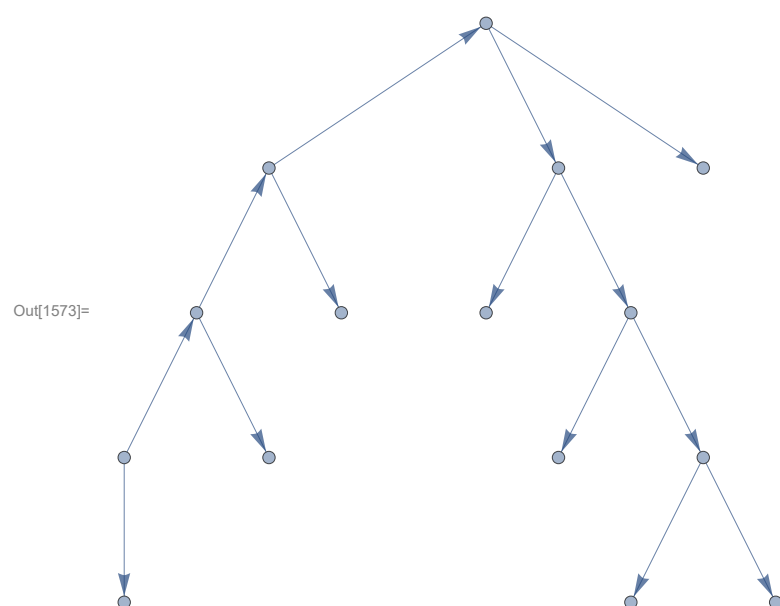
$$\text{Out[1563]} = \left\{ x^5 + G^4 \left(-2 x^3 + x^5 \right) + G^3 \left(1 - 4 x^2 + 6 x^4 - 2 x^6 \right) + G \left(-4 x^4 + 2 x^6 \right) + G^2 \left(-x + 6 x^3 - 6 x^5 + x^7 \right) \right\}$$



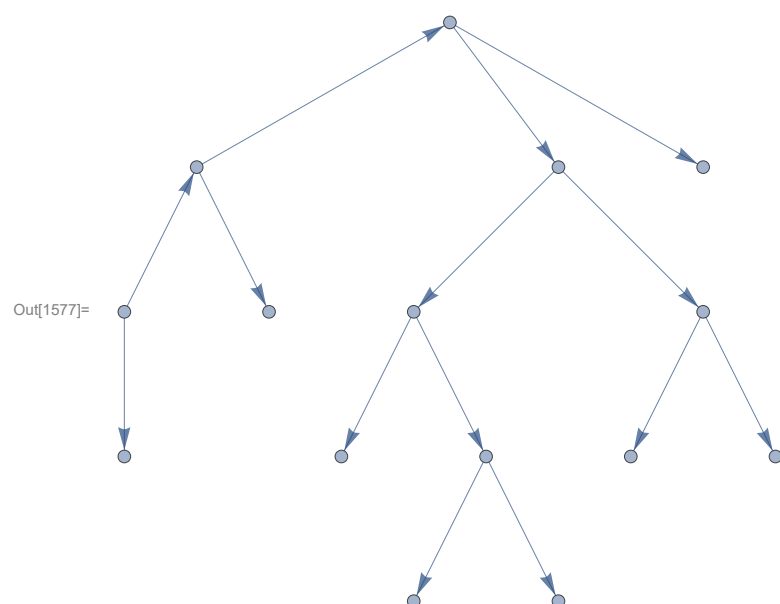
$$\text{Out[1567]} = \left\{ -G^5 x^4 + x^5 + G^4 \left(-x^3 + 3x^5 \right) + G^3 \left(1 - 4x^2 + 3x^4 - 3x^6 \right) + G \left(-4x^4 + x^6 \right) + G^2 \left(-x + 6x^3 - 3x^5 + x^7 \right) \right\}$$



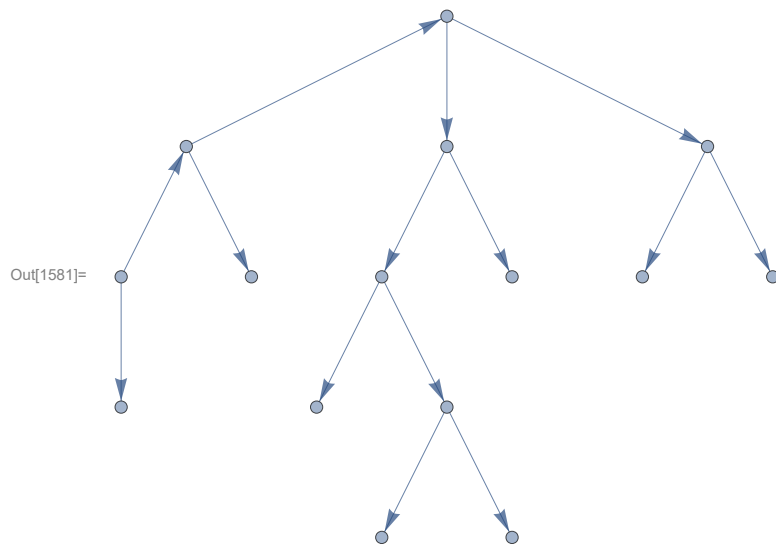
$$\text{Out[1571]} = \left\{ x^5 + G^4 \left(-2x^3 + x^5 \right) + G^3 \left(1 - 4x^2 + 6x^4 - 2x^6 \right) + G \left(-4x^4 + 2x^6 \right) + G^2 \left(-x + 6x^3 - 6x^5 + x^7 \right) \right\}$$



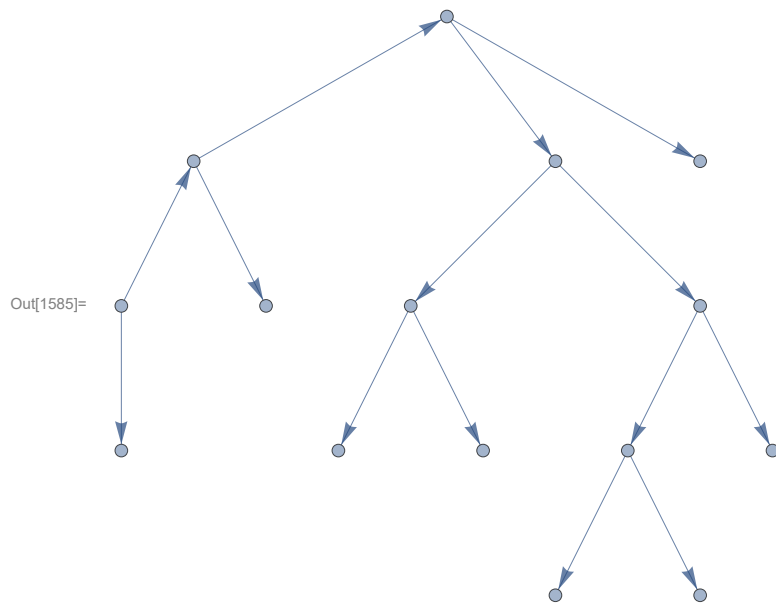
$$\text{Out[1575]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$



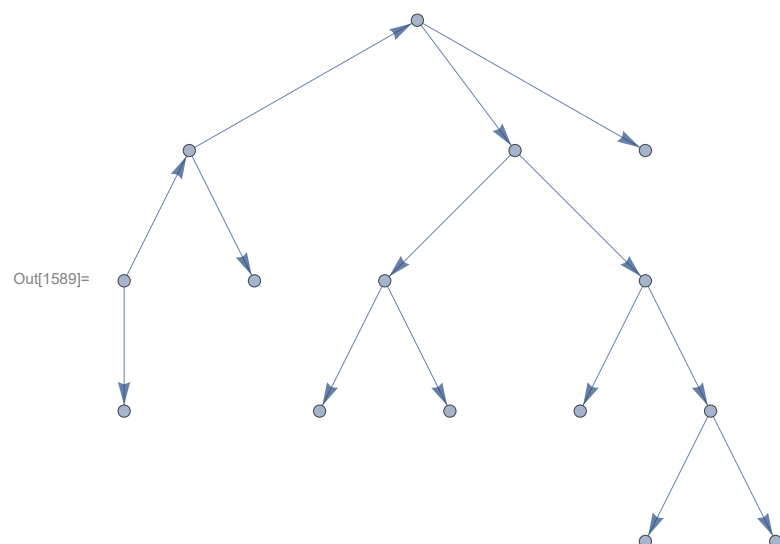
$$\text{Out[1579]} = \left\{ x^4 + G \left(x - 3 x^3 + 3 x^5 \right) + G^2 \left(-1 + 3 x^2 - 6 x^4 + 3 x^6 \right) + G^3 \left(3 x^3 - 3 x^5 + x^7 \right) \right\}$$



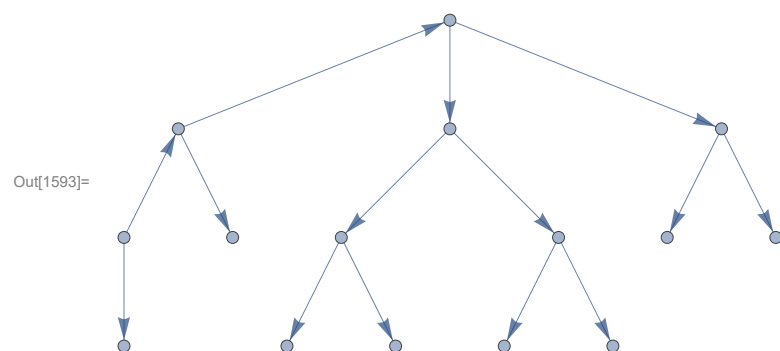
$$\text{Out[1583]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$



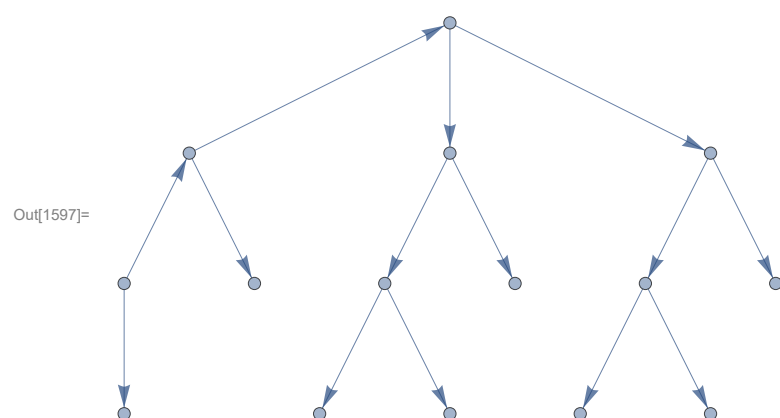
$$\text{Out[1587]} = \left\{ x^5 + G^4 \left(-2 x^3 + x^5 \right) + G^3 \left(1 - 4 x^2 + 6 x^4 - 2 x^6 \right) + G \left(-4 x^4 + 2 x^6 \right) + G^2 \left(-x + 6 x^3 - 6 x^5 + x^7 \right) \right\}$$



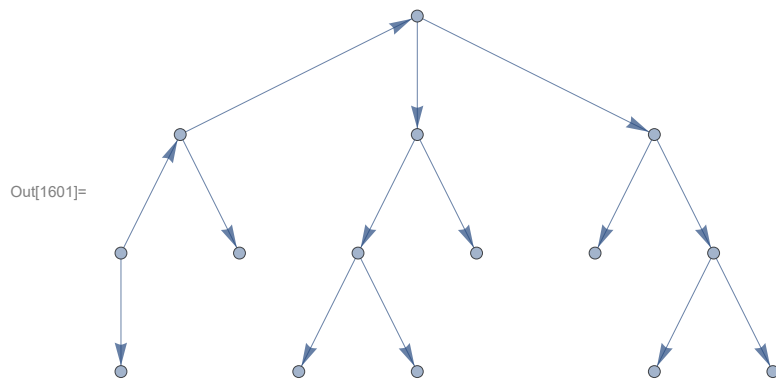
$$\text{Out[1591]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$



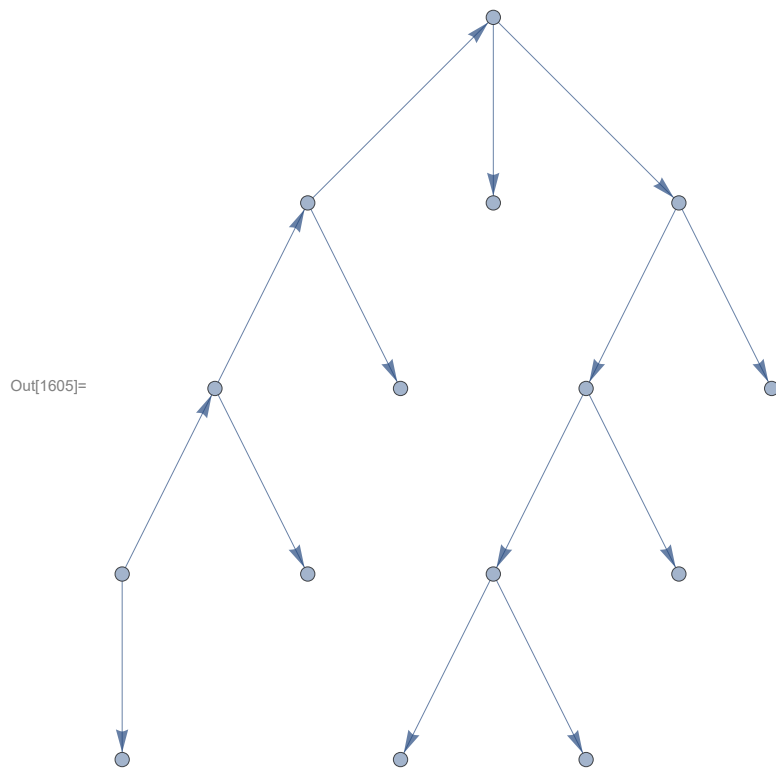
$$\text{Out[1595]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$



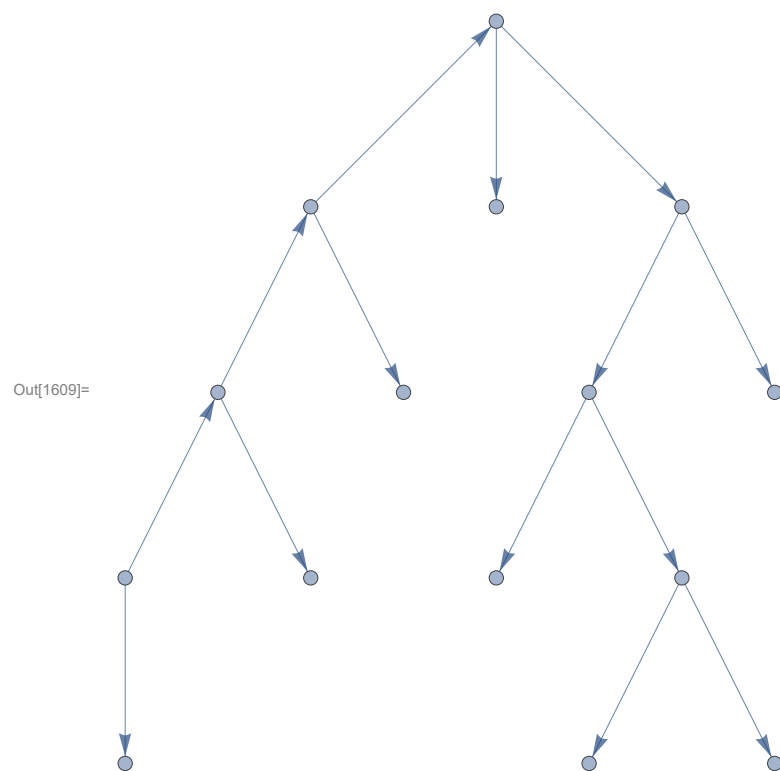
$$\text{Out[1599]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 \left(-2 x^3 + 3 x^5 \right) + G^2 \left(1 - 3 x^2 + 5 x^4 - 3 x^6 \right) + G \left(-x + 3 x^3 - 4 x^5 + x^7 \right) \right\}$$



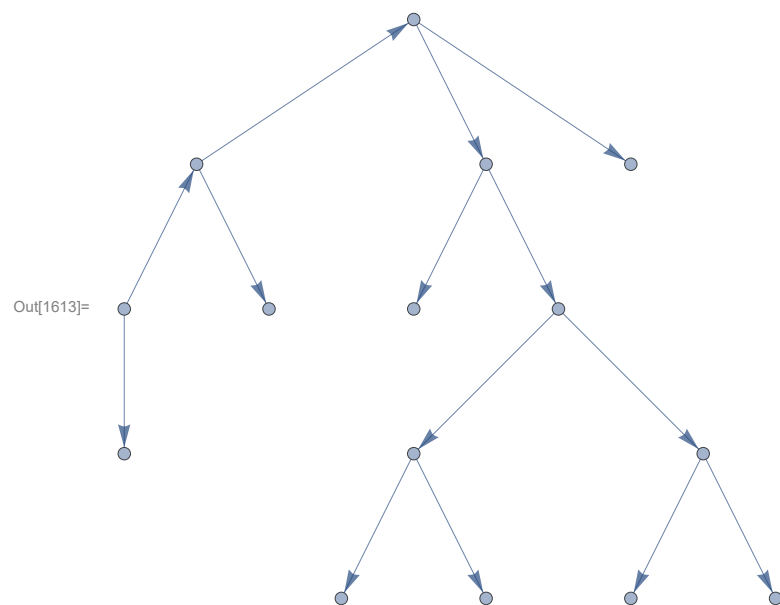
$$\text{Out[1603]} = \left\{ x^4 + G^5 x^5 + G (x - 3 x^3 + x^5) + G^4 (x^4 - 2 x^6) + G^2 (-1 + 3 x^2 - 2 x^4 + x^6) + G^3 (x^3 - 2 x^5 + x^7) \right\}$$



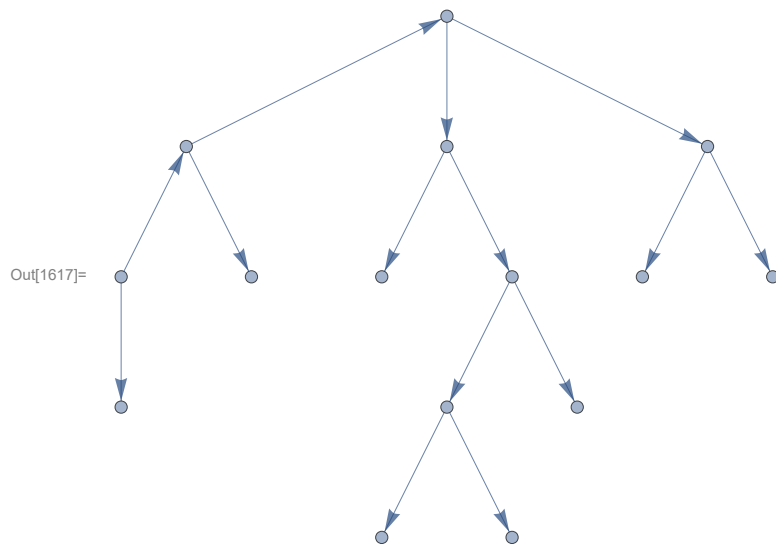
$$\text{Out[1607]} = \left\{ x^5 + G^4 (-2 x^3 + x^5) + G^3 (1 - 4 x^2 + 6 x^4 - 2 x^6) + G (-4 x^4 + 2 x^6) + G^2 (-x + 6 x^3 - 6 x^5 + x^7) \right\}$$



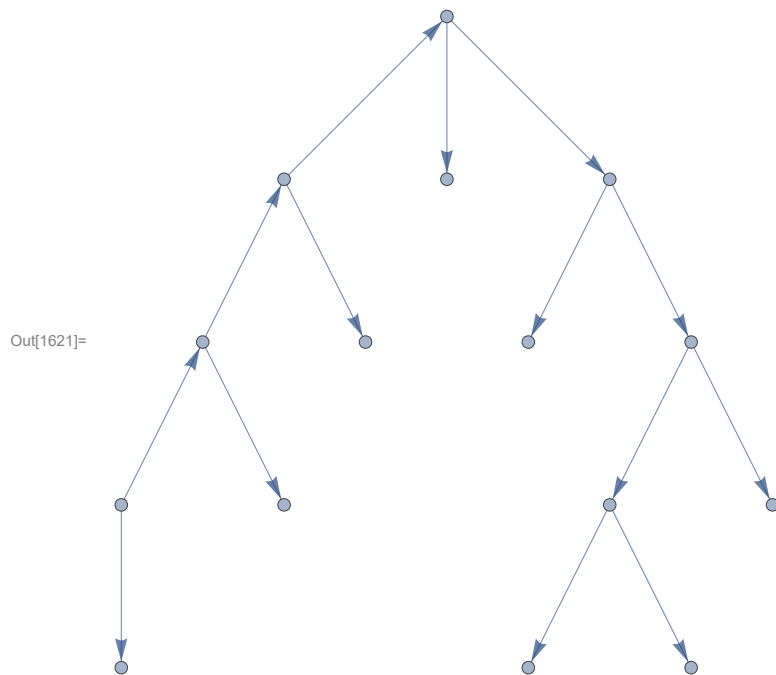
$$\text{Out[1611]} = \left\{ x^4 + G \left(x - 3 x^3 + 3 x^5 \right) + G^2 \left(-1 + 3 x^2 - 6 x^4 + 3 x^6 \right) + G^3 \left(3 x^3 - 3 x^5 + x^7 \right) \right\}$$



$$\text{Out[1615]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$

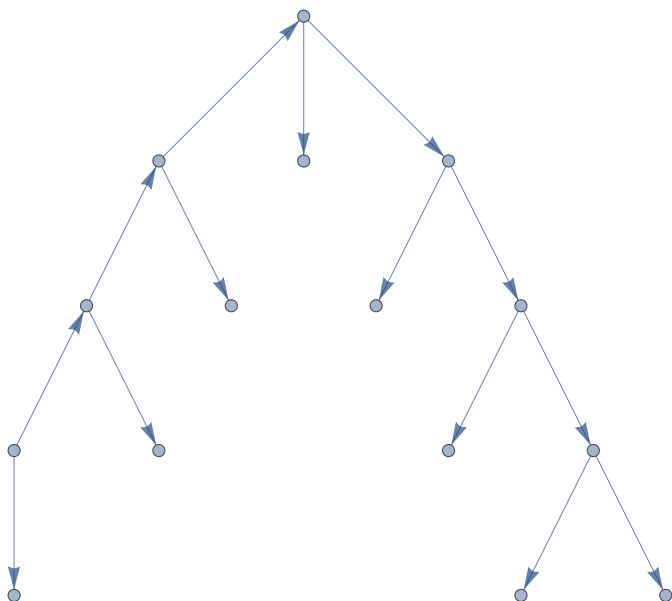


$$\text{Out[1619]} = \left\{ x^4 + G \left(x - 3x^3 + 2x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3x^2 - 4x^4 + 2x^6 \right) + G^3 \left(2x^3 - 3x^5 + x^7 \right) \right\}$$



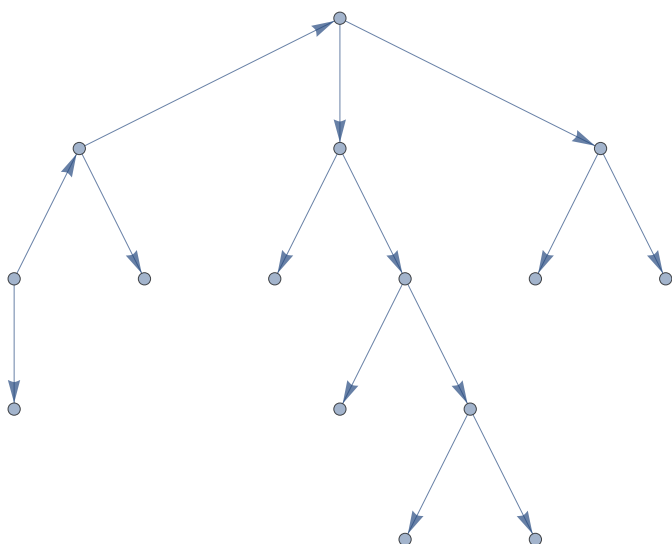
$$\text{Out[1623]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$

Out[1625]=



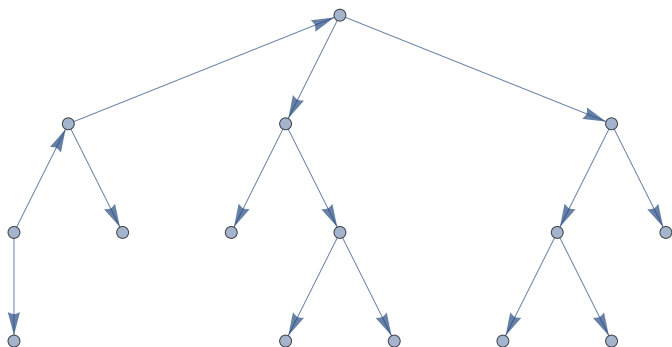
$$\text{Out[1627]} = \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 3x^5 \right) + G^3 \left(-2x^4 + 2x^6 \right) \right\}$$

Out[1629]=

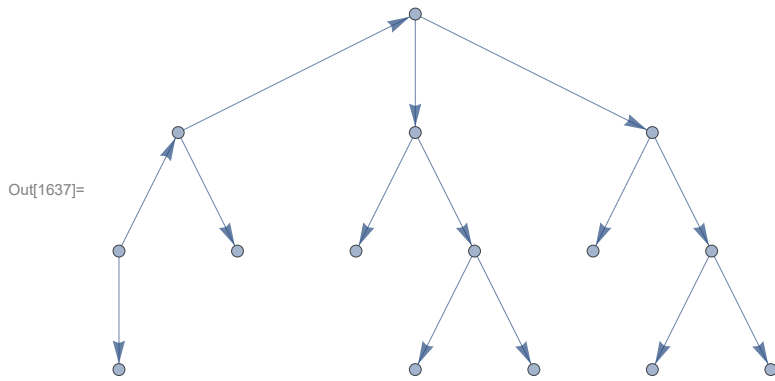


$$\text{Out[1631]} = \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 3x^5 \right) + G^3 \left(-2x^4 + 2x^6 \right) \right\}$$

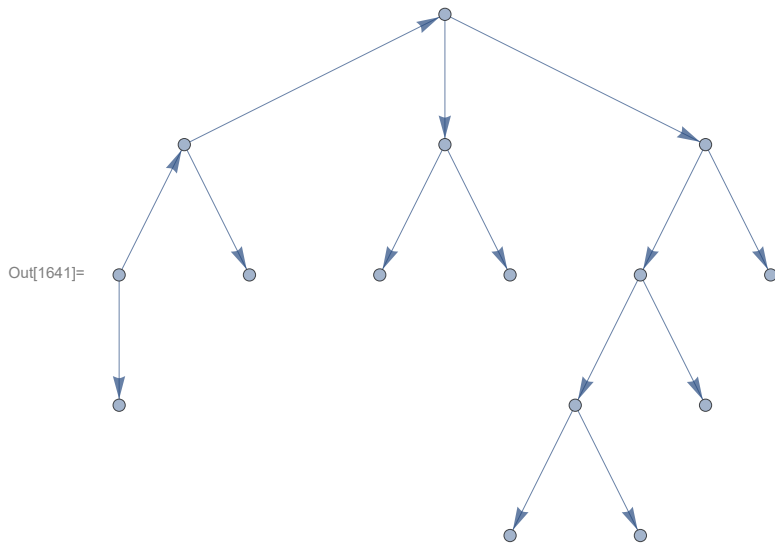
Out[1633]=



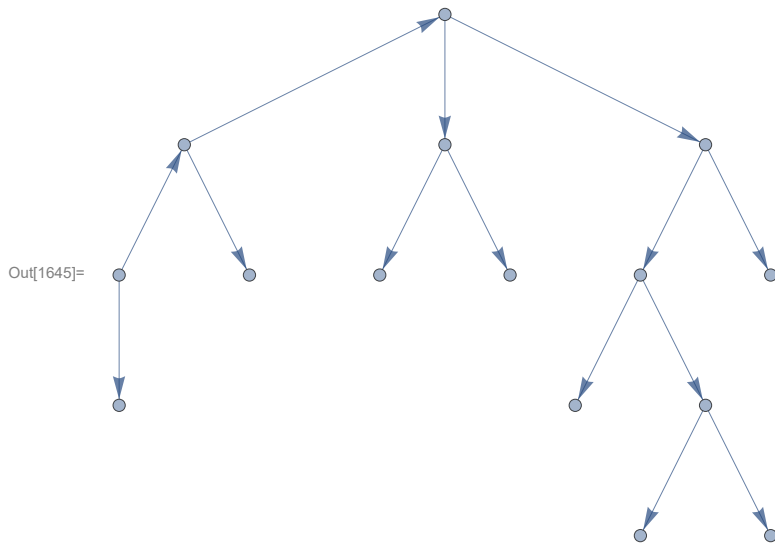
$$\text{Out[1635]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$



$$\text{Out[1639]} = \left\{ -x + x^3 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 2x^5 \right) + G^3 \left(-x^4 + 2x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$

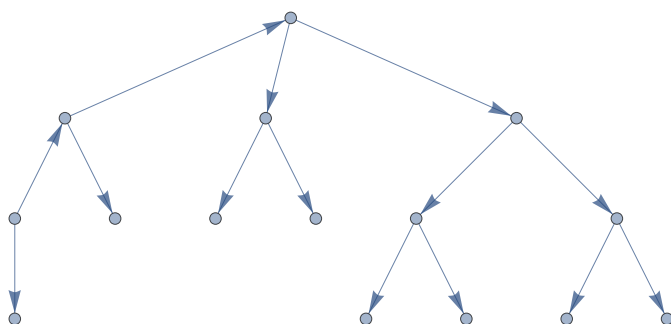


$$\text{Out[1643]} = \left\{ -x^4 - G^4 x^4 + x^6 + G^3 \left(-2x^3 + 3x^5 \right) + G^2 \left(1 - 3x^2 + 5x^4 - 3x^6 \right) + G \left(-x + 3x^3 - 4x^5 + x^7 \right) \right\}$$



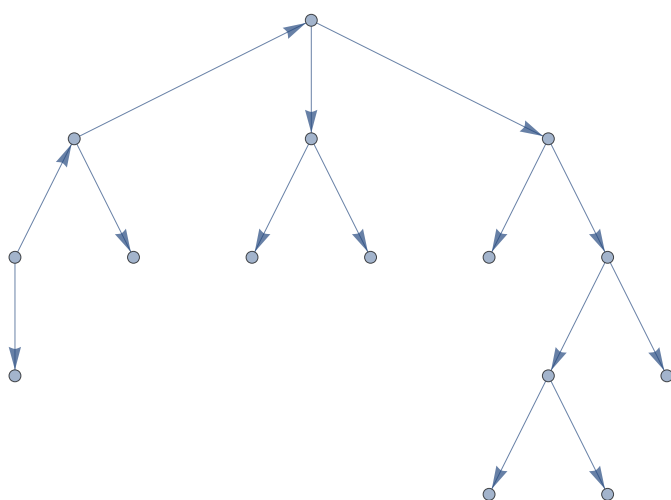
$$\text{Out[1647]} = \left\{ x - x^3 + x^5 + G^3 \left(x^4 - x^6 \right) + G \left(-1 + 2x^2 - 4x^4 + 2x^6 \right) + G^2 \left(3x^3 - 4x^5 + x^7 \right) \right\}$$

Out[1649]=



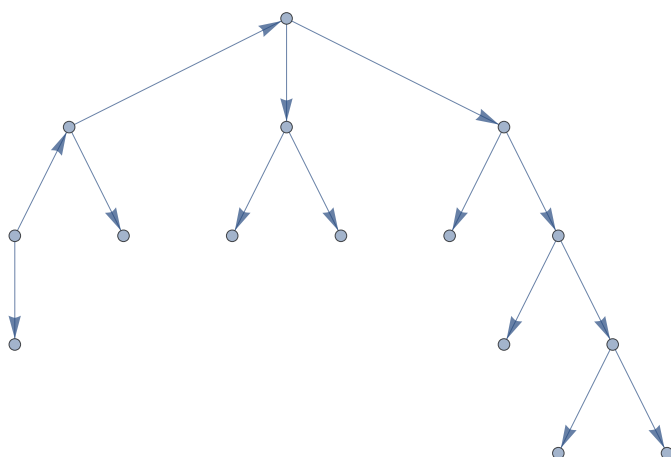
$$\text{Out[1651]} = \left\{ x - x^3 + x^5 + G^4 x^5 + G^3 (x^4 - 2 x^6) + G (-1 + 2 x^2 - 3 x^4 + x^6) + G^2 (2 x^3 - 2 x^5 + x^7) \right\}$$

Out[1653]=

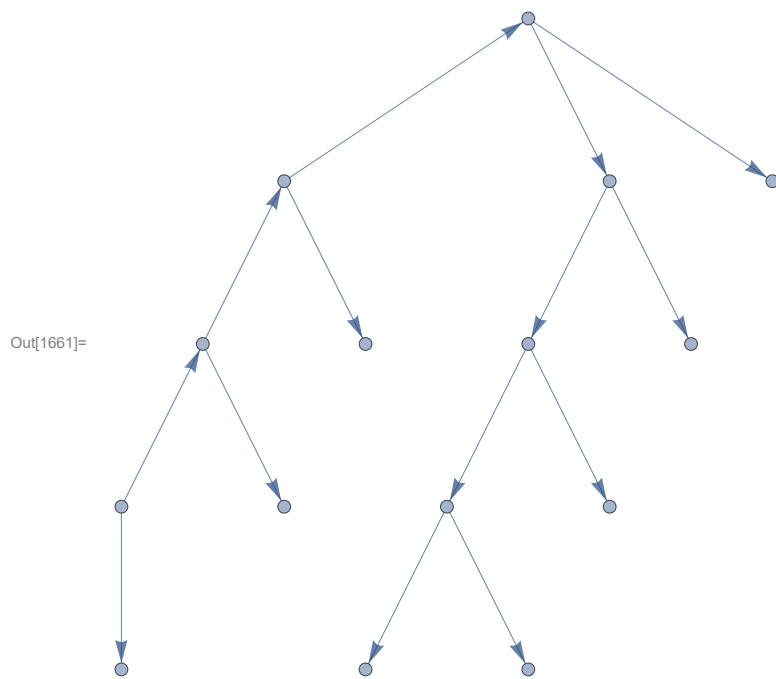


$$\text{Out[1655]} = \left\{ -x + x^3 - x^7 + x^9 + G^4 (-x^5 - x^7) + G^3 (-x^4 + 3 x^8) + G^2 (-x^3 + 4 x^7 - 3 x^9) + G (1 - 2 x^2 + x^4 + 2 x^6 - 4 x^8 + x^{10}) \right\}$$

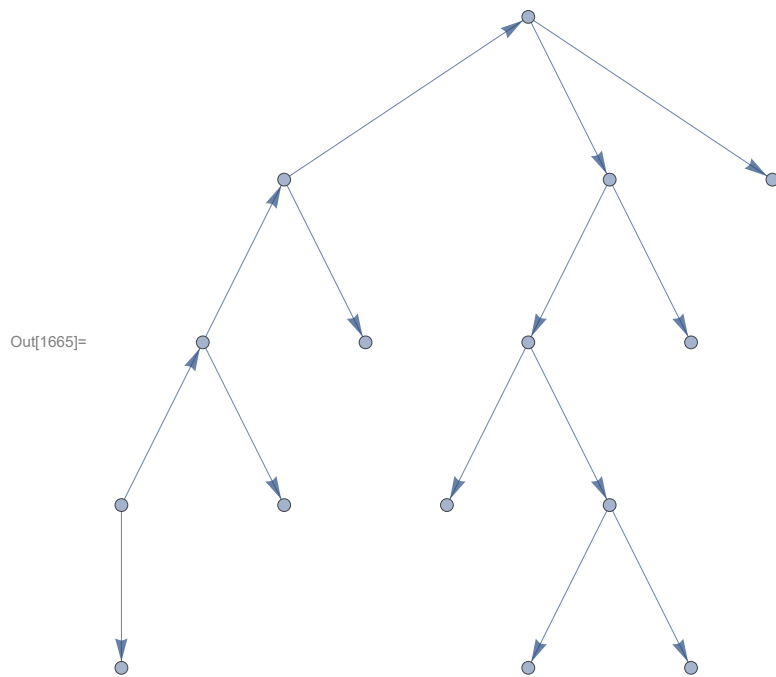
Out[1657]=



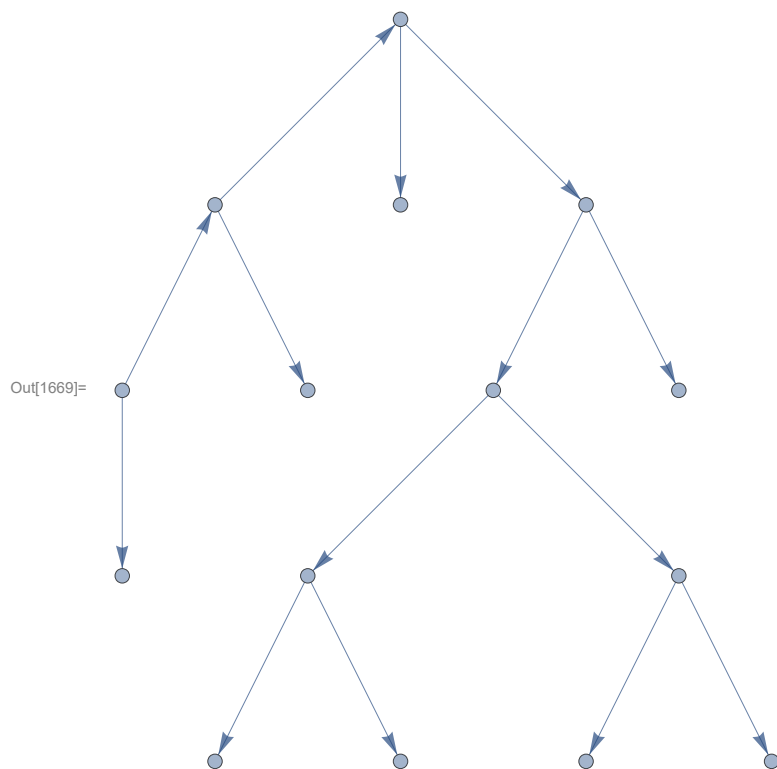
$$\text{Out[1659]} = \left\{ -x + x^3 - G^5 x^6 + G (1 - 2 x^2 + x^4) + G^2 (-x^3 + x^5) + G^3 (-x^4 + x^6) + G^4 (-x^5 + x^7) \right\}$$



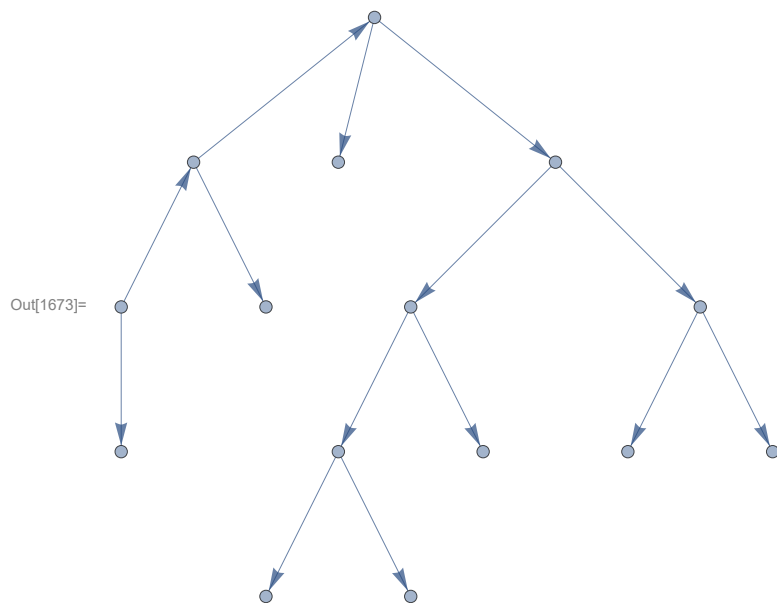
$$\text{Out[1663]} = \left\{ -G^5 x^4 + x^5 + G^4 (-x^3 + 3x^5) + G^3 (1 - 4x^2 + 3x^4 - 3x^6) + G (-4x^4 + x^6) + G^2 (-x + 6x^3 - 3x^5 + x^7) \right\}$$



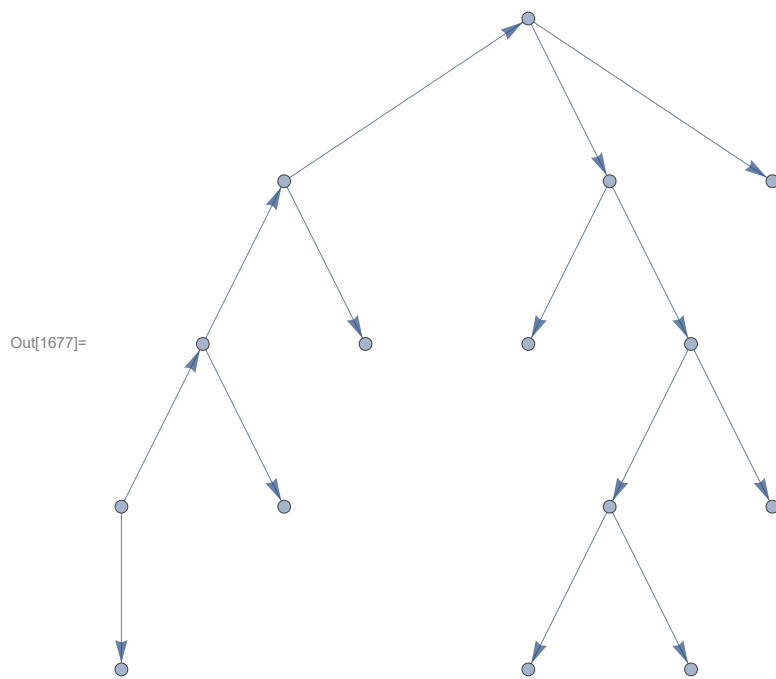
$$\text{Out[1667]} = \left\{ x^4 + G (x - 3x^3 + 2x^5) + G^4 (x^4 - x^6) + G^2 (-1 + 3x^2 - 4x^4 + 2x^6) + G^3 (2x^3 - 3x^5 + x^7) \right\}$$



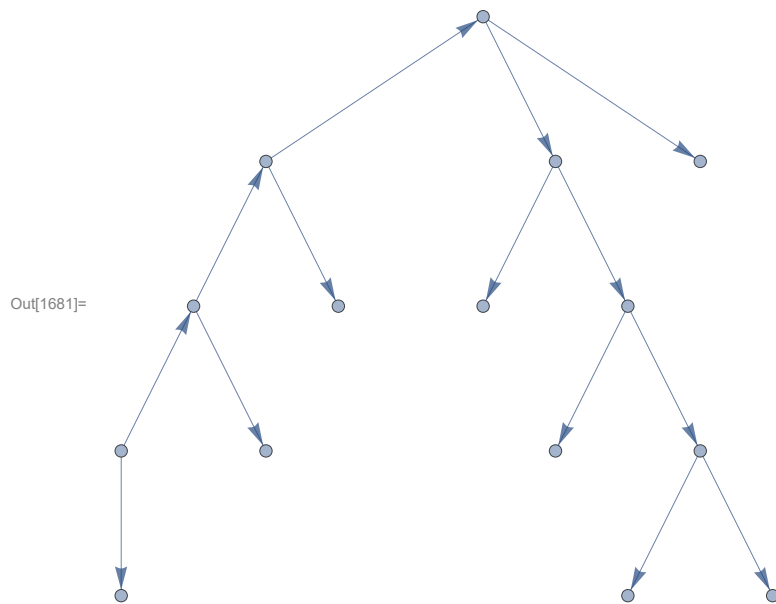
$$\text{Out[1671]} = \left\{ x^4 + G \left(x - 3 x^3 + 2 x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + 2 x^6 \right) + G^3 \left(2 x^3 - 3 x^5 + x^7 \right) \right\}$$



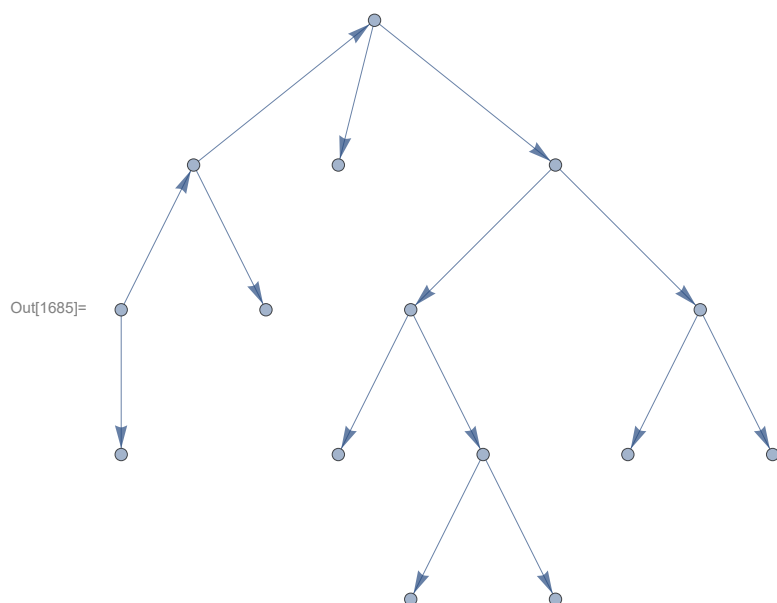
$$\text{Out[1675]} = \left\{ x^4 + G^5 x^5 + G \left(x - 3 x^3 + x^5 \right) + G^4 \left(x^4 - 2 x^6 \right) + G^2 \left(-1 + 3 x^2 - 2 x^4 + x^6 \right) + G^3 \left(x^3 - 2 x^5 + x^7 \right) \right\}$$



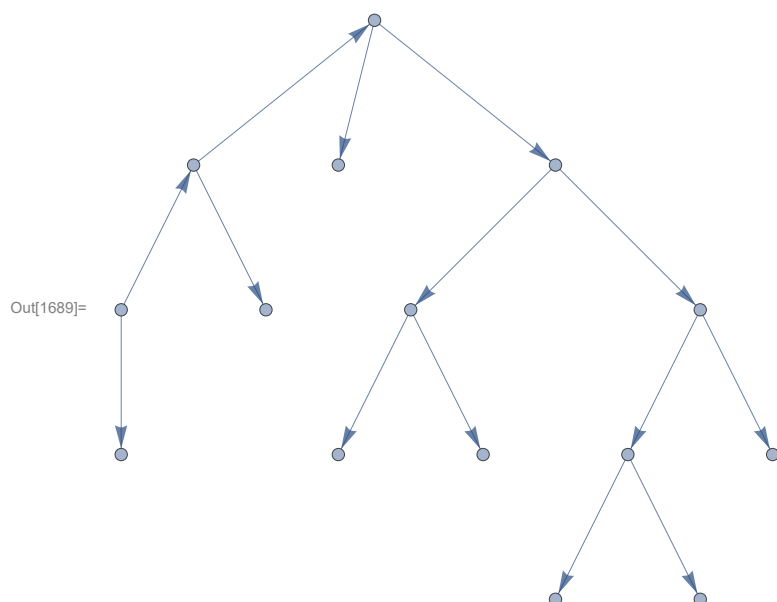
$$\text{Out[1679]} = \left\{ x^4 + G \left(x - 3x^3 + 2x^5 \right) + G^4 \left(x^4 - x^6 \right) + G^2 \left(-1 + 3x^2 - 4x^4 + 2x^6 \right) + G^3 \left(2x^3 - 3x^5 + x^7 \right) \right\}$$



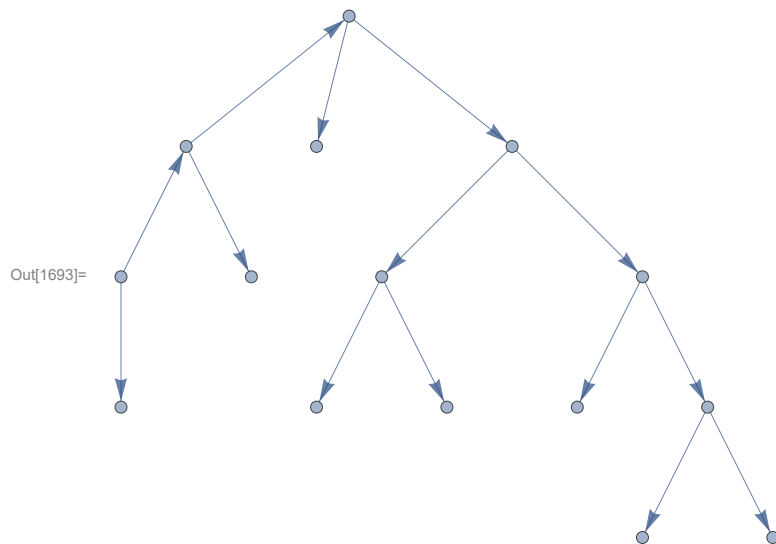
$$\text{Out[1683]} = \left\{ -x + x^3 + G^4 x^7 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 3x^5 \right) + G^3 \left(-2x^4 + 2x^6 \right) \right\}$$



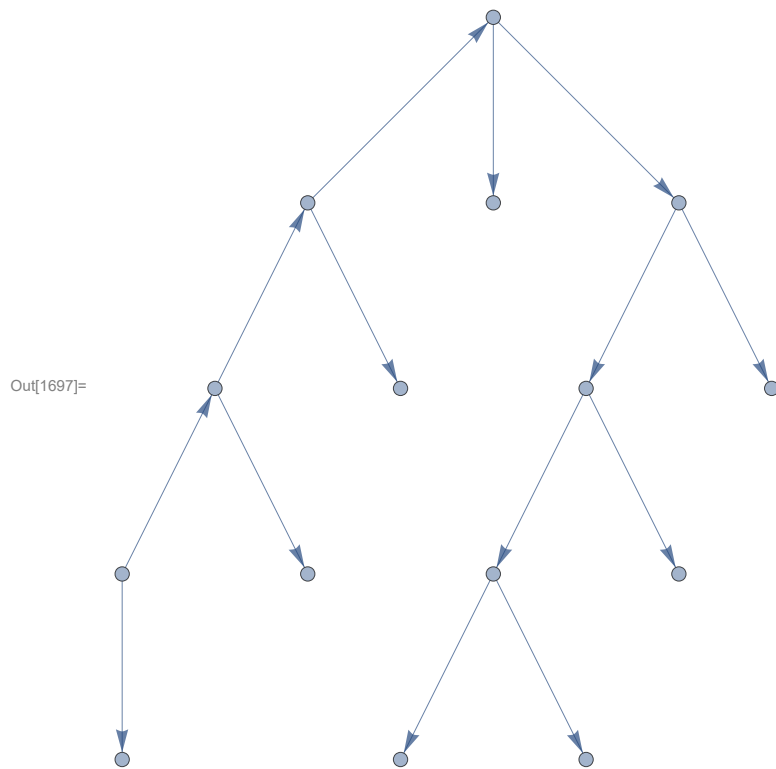
$$\text{Out[1687]} = \left\{ -x + x^3 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 2x^5 \right) + G^3 \left(-x^4 + 2x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



$$\text{Out[1691]} = \left\{ x - x^3 + x^5 + G^4 x^5 + G^3 \left(x^4 - 2x^6 \right) + G \left(-1 + 2x^2 - 3x^4 + x^6 \right) + G^2 \left(2x^3 - 2x^5 + x^7 \right) \right\}$$

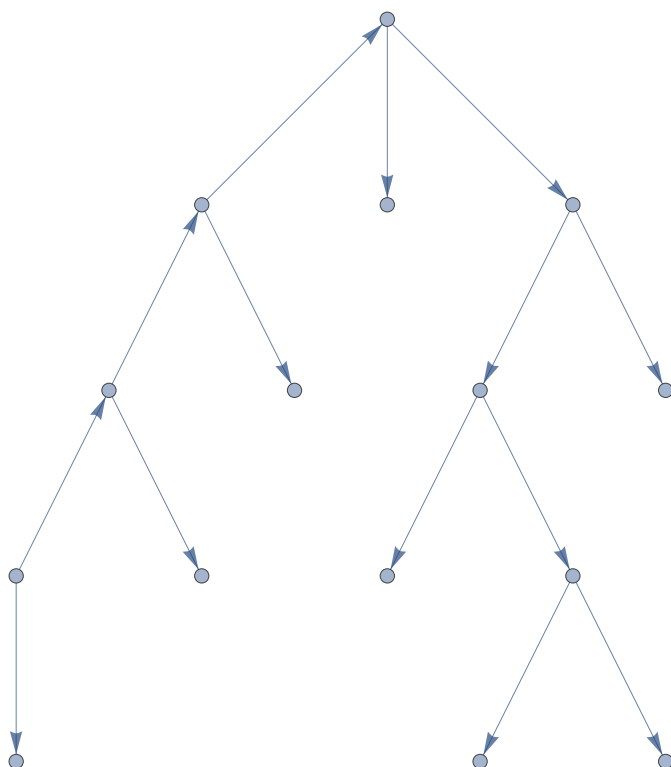


$$\text{Out[1695]} = \left\{ -x + x^3 - G^5 x^6 + G \left(1 - 2x^2 + x^4 \right) + G^2 \left(-x^3 + x^5 \right) + G^3 \left(-x^4 + x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$



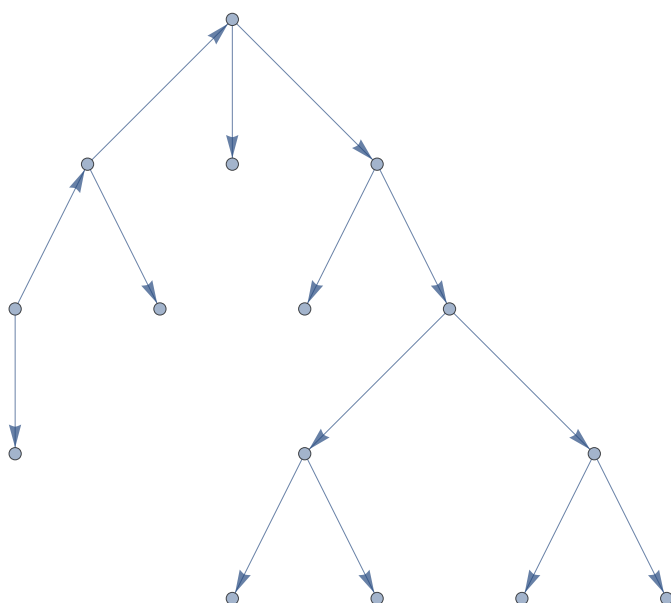
$$\text{Out[1699]} = \left\{ x^4 + G^5 x^5 + G \left(x - 3x^3 + x^5 \right) + G^4 \left(x^4 - 2x^6 \right) + G^2 \left(-1 + 3x^2 - 2x^4 + x^6 \right) + G^3 \left(x^3 - 2x^5 + x^7 \right) \right\}$$

Out[1701]=



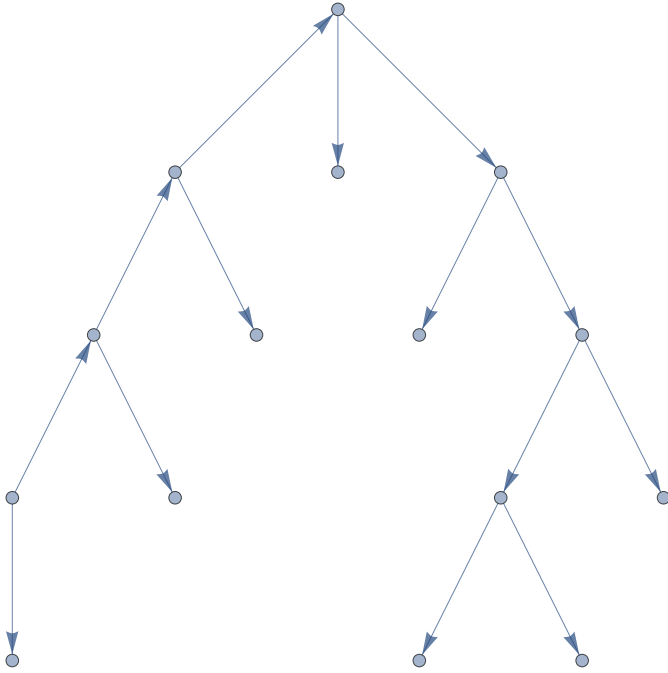
$$\text{Out[1703]} = \left\{ -x + x^3 + G \left(1 - 2x^2 + 2x^4 \right) + G^2 \left(-2x^3 + 2x^5 \right) + G^3 \left(-x^4 + 2x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$

Out[1705]=



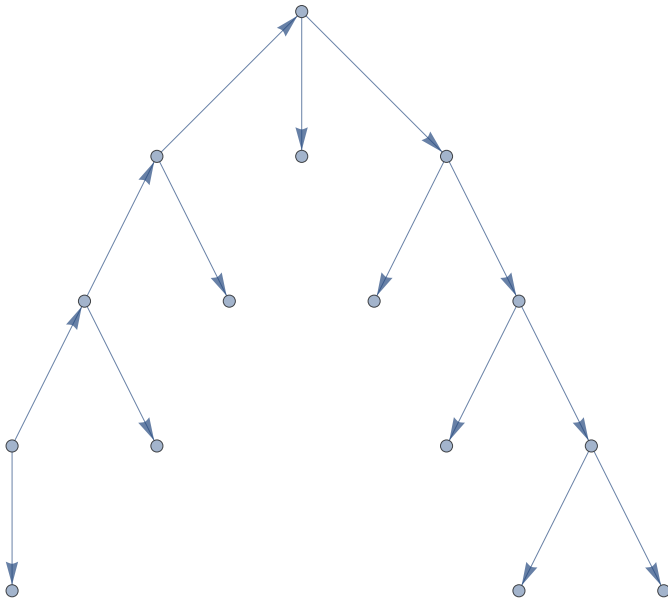
$$\text{Out[1707]} = \left\{ -x + x^3 - G^5 x^6 + G \left(1 - 2x^2 + x^4 \right) + G^2 \left(-x^3 + x^5 \right) + G^3 \left(-x^4 + x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$

Out[1709]=



$$\text{Out[1711]} = \left\{ -x + x^3 - G^5 x^6 + G \left(1 - 2x^2 + x^4 \right) + G^2 \left(-x^3 + x^5 \right) + G^3 \left(-x^4 + x^6 \right) + G^4 \left(-x^5 + x^7 \right) \right\}$$

Out[1713]=



$$\text{Out[1715]} = \left\{ x + G^2 x^3 + G^3 x^4 + G^4 x^5 + G^5 x^6 + G^6 x^7 + G \left(-1 + x^2 \right) \right\}$$