In[1]:=
```
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,15->31,15->32,31->63,31->64}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - b1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,15->31,15->32,32->65,32->66}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
Graph[{0->1,0->2,1->3,1->4,3->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 * G), b1 == x * (c1 * G - d1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * G - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,7->15,7->16,16->33,16->34,34->69,34->70}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - d
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * G - d
```

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Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (

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}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c

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}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c

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}]

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

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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}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (

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}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c

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}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * d1 - b

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c

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}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (

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}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (

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}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - b

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (

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}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c

Graph[{0->1,0->2,1->3,1->4,3->7,3->8,8->17,8->18,17->35,17->36,36->73,36->74}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
```

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Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - d
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * G - d
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,3->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 * G), b1 == x * (c1 * G - d1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * G - d1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * a1 - d
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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}]
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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}]
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Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (c1 * c1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (c1 * a1 -
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (
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}]
```

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Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (d1 * G - e
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (c1 * G - d
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (a
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (a
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (a
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (a1 * c1 - |
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,10->21,10->22,21->43,21->44}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (a
Graph[{0->1,0->2,1->3,1->4,3->7,3->8,4->9,4->10,10->21,10->22,22->45,22->46}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (a1 * c1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (a
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,4->9,4->10,10->21,10->22}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (a1 * c1 - |
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (a1 * a1 - |
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (a1 * a1 - |
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,11->23,11->24}]
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Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (a1 * G - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,5->11,5->12,12->25,12->26}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (a1 * G - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (a1 * G - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,3->7,3->8,6->13,6->14,13->27,13->28}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (a1 * G - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (a1 * G - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (G * c1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,4->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 * (G * c1 - b1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F
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Graph[{0->1,0->2,1->3,1->4,4->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 * (G * c1 - b1

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F

Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,10->21,10->22,20->41,20->42}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F

Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,9->19,9->20,20->41,20->42}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (

Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,10->21,10->22,21->43,21->44}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F

Graph[{0->1,0->2,1->3,1->4,4->9,4->10,9->19,9->20,10->21,10->22,22->45,22->46}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F

Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,9->19,9->20,10->21,10->22}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (

Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,5->11,5->12,9->19,9->20}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (

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}]

Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * d1 - b

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (

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}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F

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}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F

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}]

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

Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F
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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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (G * c1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F
Graph[{0->1,0->2,1->3,1->4,4->9,4->10,10->21,10->22,22->45,22->46,46->93,46->94}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * G), b1 == x * (G * c1 - b1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * F), b1 == x * (F
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,10->21,10->22,22->45,22->46}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * a1), b1 == x * (G * c1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * a1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * d1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * c1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,5->11,5->12,11->23,11->24}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * a1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,5->11,5->12,12->25,12->26}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * a1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,5->11,5->12,6->13,6->14}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * a1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,6->13,6->14,13->27,13->28}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * a1 - b
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,4->9,4->10,6->13,6->14,14->29,14->30}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - b1 * c1), b1 == x * (G * a1 - b
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Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * b1 * c1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,11->23,11->24,23->47,23->48}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (c1 * G - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,11->23,11->24,24->49,24->50}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (c1 * G - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,11->23,11->24,12->25,12->26}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (c1 * G - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,6->13,6->14,11->23,11->24}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (c1 * a1 -
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,12->25,12->26,25->51,25->52}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (c1 * G - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
Graph[{0->1,0->2,1->3,1->4,2->5,2->6,5->11,5->12,12->25,12->26,26->53,26->54}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (c1 * G - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (c1 * a1 -
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (a1 * c1 -
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (a1 * c1 -
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a
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Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - a1 * b1), b1 == x * (G * c1 - a
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * a1 * b1), b1 == x * (
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * a1 - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,24->49,24->50,49->99,49->100}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,24->49,24->50,50->101,50->102}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,12->25,12->26,24->49,24->50}]
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Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,11->23,11->24,24->49,24->50}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * a1 - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,12->25,12->26,25->51,25->52}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,11->23,11->24,12->25,12->26,26->53,26->54}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,11->23,11->24,12->25,12->26}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * a1 - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * c1 - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * d1 - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * a1 - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,26->53,26->54,53->107,53->108}]
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Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,12->25,12->26,26->53,26->54,54->109,54->110}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * G - c1
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,12->25,12->26,26->53,26->54}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * a1 - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * d1 - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,12->25,12->26,14->29,14->30}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (c1 * c1 - c
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (c
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,13->27,13->28,27->55,27->56}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (a1 * c1 - a
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (a
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,13->27,13->28,28->57,28->58}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (a1 * c1 - a
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (a
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,13->27,13->28,14->29,14->30}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (a1 * c1 - a
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (a
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,14->29,14->30,29->59,29->60}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (a1 * c1 - a
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (a
Graph[{0->1,0->2,2->5,2->6,5->11,5->12,6->13,6->14,14->29,14->30,30->61,30->62}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (a1 * c1 - a
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (a
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,27->55,27->56,55->111,55->112}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
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Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,27->55,27->56,56->113,56->114}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,27->55,27->56,28->57,28->58}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,14->29,14->30,27->55,27->56}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
Graph[{0->1,0->2,2->5,2->6,6->13,6->14,13->27,13->28,28->57,28->58,57->115,57->116}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
```

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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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
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}]
Collect[GroebnerBasis[{G == x + a1, a1 == x * (G * G - G * b1), b1 == x * (G * c1 - G
Collect[GroebnerBasis[{F == x + a1, a1 == x * (F * F + (y - 1) * F * b1), b1 == x * (F
```
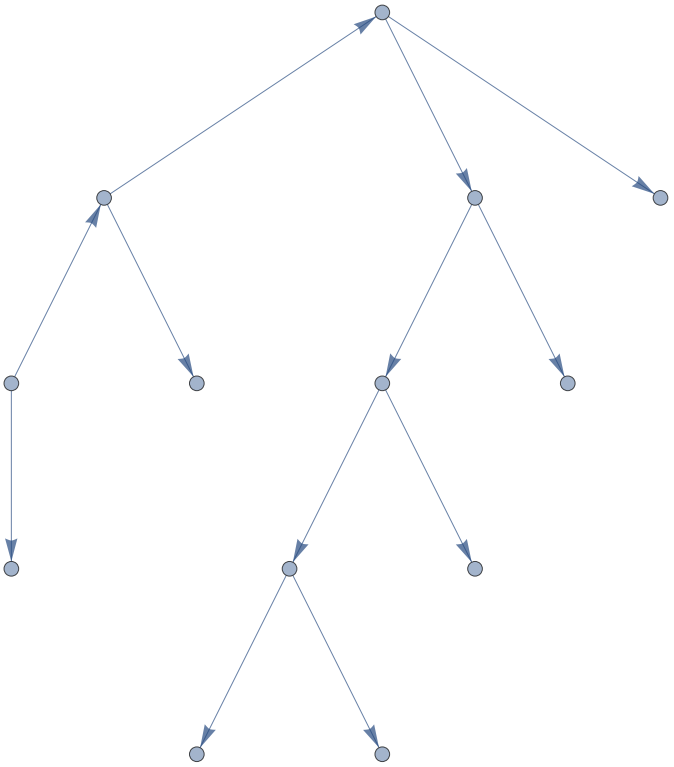
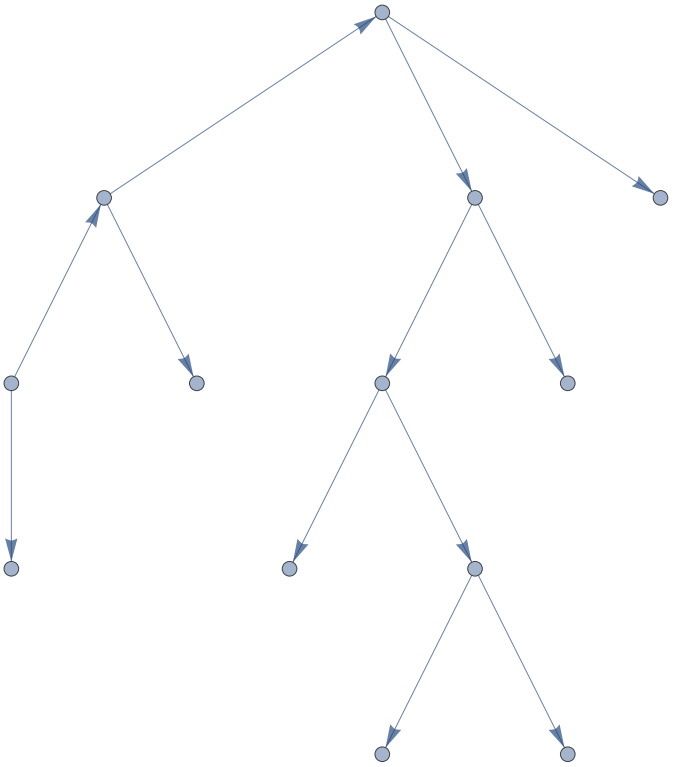

Out[1]=



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

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

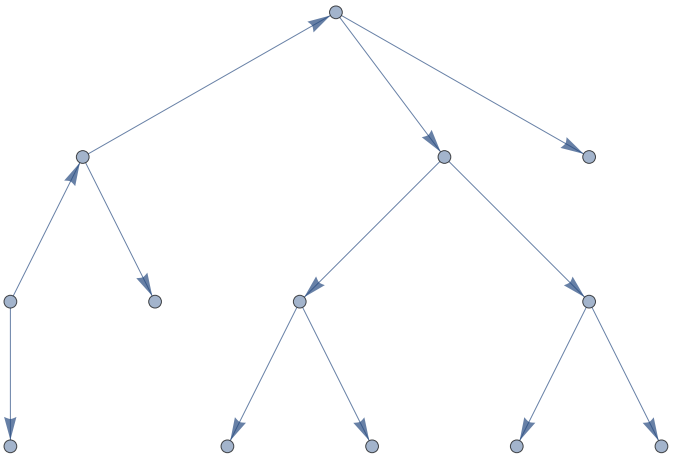
Out[7]=



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

Out[11]= $\left\{x-x^3+x^3\,y+F\left(-1+2\,x^2-x^4-2\,x^2\,y+x^4\,y\right)+\right.$
$\left.F^4\left(x^5-x^5\,y\right)+F^2\left(x^3-x^5+x\,y-x^3\,y+x^5\,y\right)+F^3\left(x^4-x^6-x^4\,y+x^6\,y\right)\right\}$

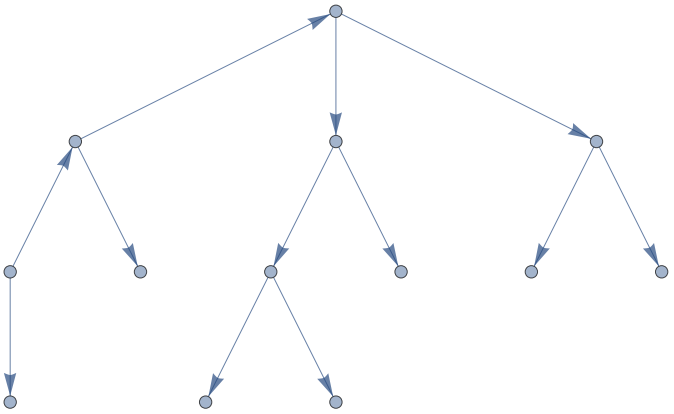
Out[13]=



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

Out[17]= $\left\{x-x^3+x^3\,y+F\left(-1+2\,x^2-x^4-2\,x^2\,y+x^4\,y\right)+\right.$
$\left.F^4\left(x^5-x^5\,y\right)+F^2\left(x^3-x^5+x\,y-x^3\,y+x^5\,y\right)+F^3\left(x^4-x^6-x^4\,y+x^6\,y\right)\right\}$

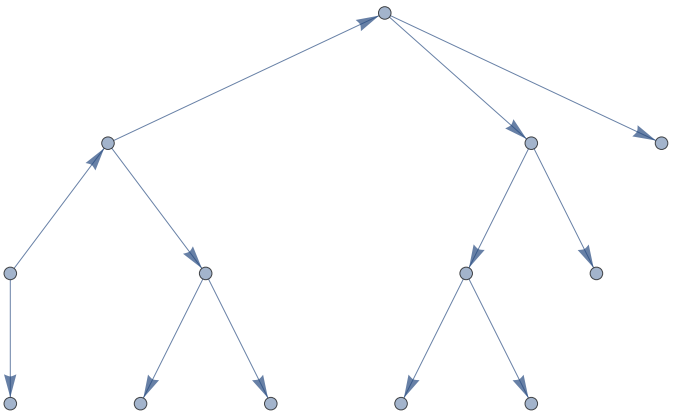
Out[19]=



Out[21]= $\left\{-x+x^3-G^4\,x^5+G\left(1-2\,x^2+x^4\right)+G^2\left(-x^3+x^5\right)+G^3\left(-x^4+x^6\right)\right\}$

Out[23]= $\left\{x-x^3+x^3\,y+F\left(-1+2\,x^2-x^4-2\,x^2\,y+x^4\,y\right)+F^4\left(x^5-x^5\,y\right)+F^2\left(x^3-x^5+x\,y-x^3\,y+x^5\,y\right)+F^3\left(x^4-x^6-x^4\,y+x^6\,y\right)\right\}$

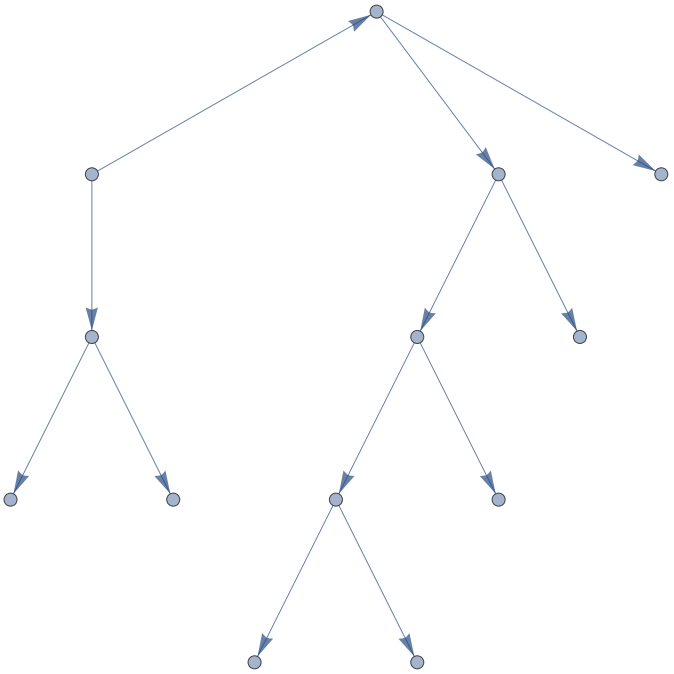
Out[25]=



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

Out[29]= $\left\{x-x^3+x^3\,y+F\left(-1+2\,x^2-x^4-2\,x^2\,y+x^4\,y\right)+F^4\left(x^5-x^5\,y\right)+F^2\left(x^3-x^5+x\,y-x^3\,y+x^5\,y\right)+F^3\left(x^4-x^6-x^4\,y+x^6\,y\right)\right\}$

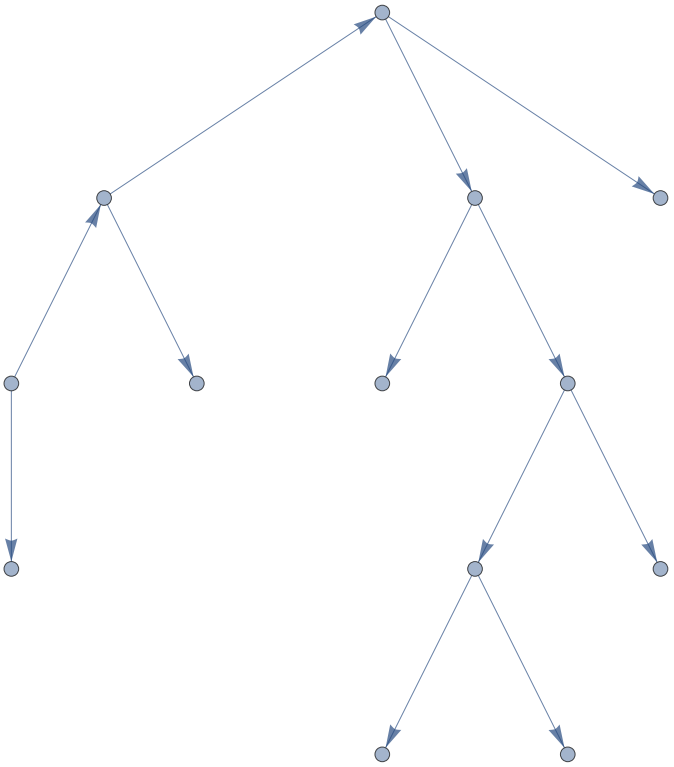
Out[31]=



Out[33]= $\left\{-x+x^3-G^4\,x^5+G\left(1-2\,x^2+x^4\right)+G^2\left(-x^3+x^5\right)+G^3\left(-x^4+x^6\right)\right\}$

Out[35]= $\left\{x-x^3+x^3\,y+F\left(-1+2\,x^2-x^4-2\,x^2\,y+x^4\,y\right)+\right.$
$\left.F^4\left(x^5-x^5\,y\right)+F^2\left(x^3-x^5+x\,y-x^3\,y+x^5\,y\right)+F^3\left(x^4-x^6-x^4\,y+x^6\,y\right)\right\}$

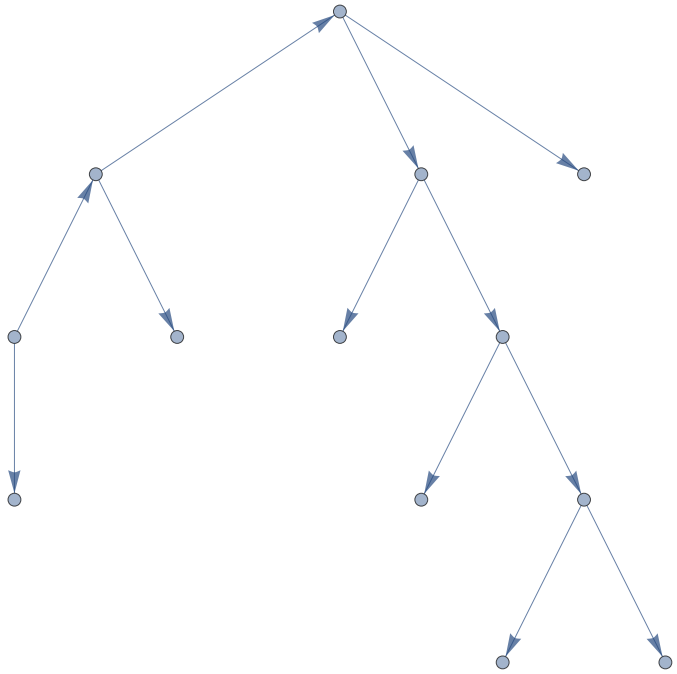
Out[37]=



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

Out[41]= $\left\{x-x^3+x^3\,y+F\left(-1+2\,x^2-2\,x^4-2\,x^2\,y+2\,x^4\,y\right)+\right.$
$\left.F^2\left(2\,x^3-2\,x^5+x\,y-2\,x^3\,y+2\,x^5\,y\right)+F^3\left(x^4-x^6-x^4\,y+x^6\,y\right)\right\}$

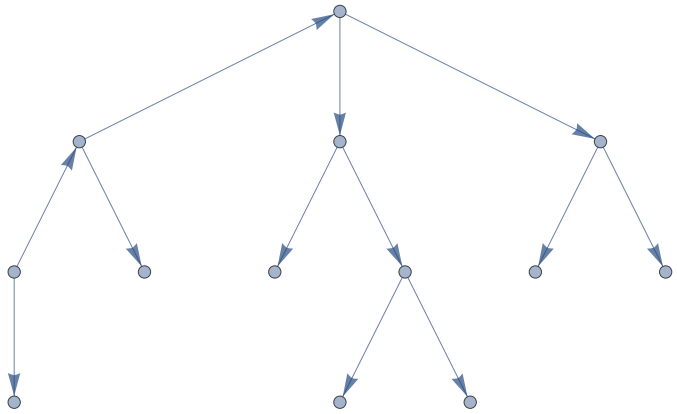
Out[43]=



Out[45]= $\left\{x^4+G^4\,x^4+G^3\,\left(x^3-2\,x^5\right)+G\,\left(x-3\,x^3+x^5\right)+G^2\,\left(-1+3\,x^2-2\,x^4+x^6\right)\right\}$

Out[47]= $\left\{-x^4+x^4\,y+F^4\,\left(-x^4+x^4\,y\right)+F^3\,\left(-x^3+2\,x^5-x\,y+x^3\,y-2\,x^5\,y\right)+\right.$
$\left.F\,\left(-x+3\,x^3-x^5-3\,x^3\,y+x^5\,y\right)+F^2\,\left(1-3\,x^2+2\,x^4-x^6+3\,x^2\,y-2\,x^4\,y+x^6\,y\right)\right\}$

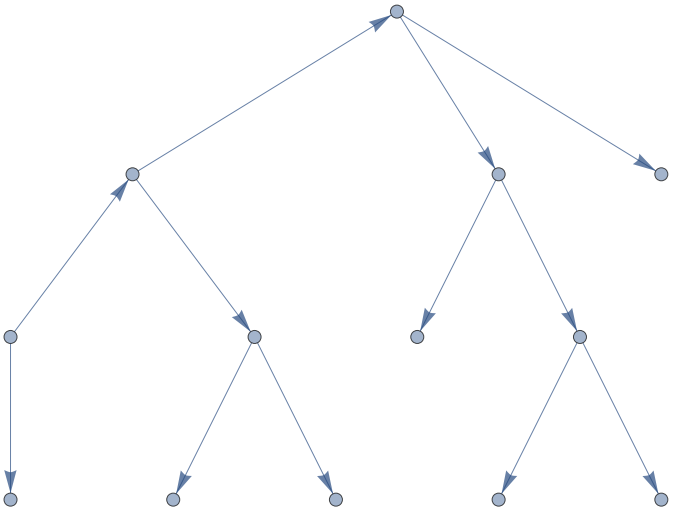
Out[49]=



Out[51]= $\left\{x-x^3+G^3\,x^4+x^5+G^2\,\left(2\,x^3-2\,x^5\right)+G\,\left(-1+2\,x^2-3\,x^4+x^6\right)\right\}$

Out[53]= $\left\{-x+x^3-x^5-x^3\,y+x^5\,y+F^3\,\left(-x^4+x^4\,y\right)+\right.$
$\left.F^2\,\left(-2\,x^3+2\,x^5-x\,y+2\,x^3\,y-2\,x^5\,y\right)+F\,\left(1-2\,x^2+3\,x^4-x^6+2\,x^2\,y-3\,x^4\,y+x^6\,y\right)\right\}$

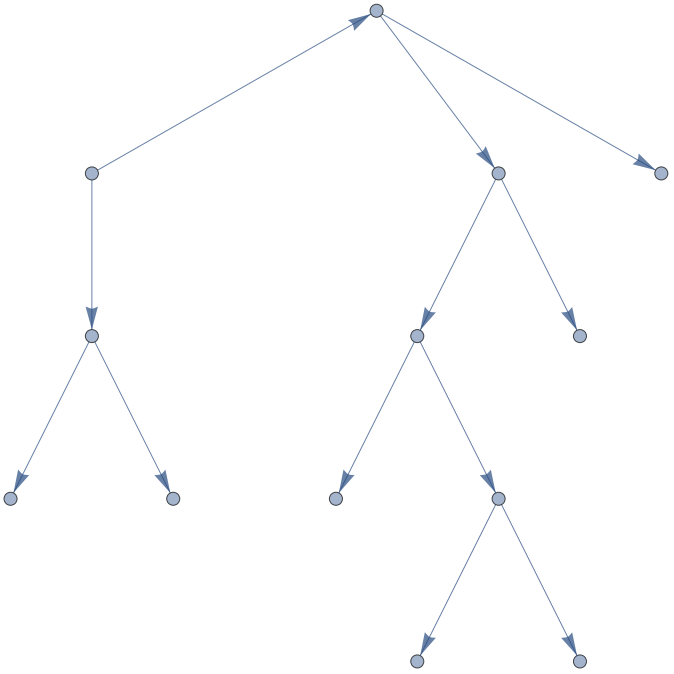
Out[55]=



Out[57]= $\left\{-x+x^3-x^7+x^9+G^3\left(-x^4-2x^6\right)+G^2\left(-x^3+5x^7\right)+G\left(1-2x^2+x^4+2x^6-4x^8\right)\right\}$

Out[59]= $\left\{-x+x^3-x^7+x^9-x^3y+2x^7y-2x^9y-x^7y^2+x^9y^2+F^3\left(-x^4-2x^6+4x^6y+x^4y^2-2x^6y^2\right)+\right.$
$F^2\left(-x^3+5x^7-xy+x^3y+3x^5y-10x^7y-3x^5y^2+5x^7y^2\right)+$
$\left.F\left(1-2x^2+x^4+2x^6-4x^8+2x^2y-x^4y-5x^6y+8x^8y+3x^6y^2-4x^8y^2\right)\right\}$

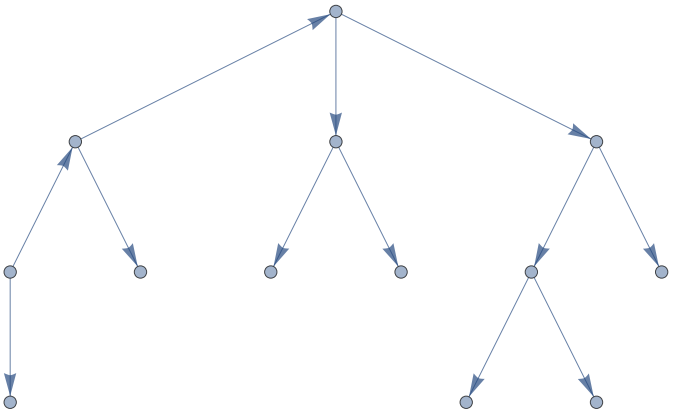
Out[61]=



Out[63]= $\left\{-x+x^3-x^5+x^7-x^9+x^{11}+G^5x^{12}+x^{15}+G^4\left(x^7+2x^{11}-4x^{13}\right)+G^3\left(-x^4-5x^8-7x^{12}+6x^{14}\right)+\right.$
$\left.G^2\left(-2x^3+3x^5-2x^7+8x^9+9x^{13}-4x^{15}\right)+G\left(1-2x^2+3x^4-3x^6+3x^8-5x^{10}-5x^{14}+x^{16}\right)\right\}$

Out[65]=
$$\{-x+x^3-x^5+x^7-x^9+x^{11}+x^{15}-x^3\,y+x^5\,y-2\,x^7\,y+3\,x^9\,y-3\,x^{11}\,y-4\,x^{15}\,y+x^7\,y^2-3\,x^9\,y^2+3\,x^{11}\,y^2+6\,x^{15}\,y^2+x^9\,y^3-x^{11}\,y^3-4\,x^{15}\,y^3+x^{15}\,y^4+F^5\left(x^{12}+x^{10}\,y-4\,x^{12}\,y-3\,x^{10}\,y^2+6\,x^{12}\,y^2+3\,x^{10}\,y^3-4\,x^{12}\,y^3-x^{10}\,y^4+x^{12}\,y^4\right)+F^4\left(x^7+2\,x^{11}-4\,x^{13}-4\,x^7\,y-11\,x^{11}\,y+16\,x^{13}\,y-x^5\,y^2+5\,x^7\,y^2+21\,x^{11}\,y^2-24\,x^{13}\,y^2+x^5\,y^3-2\,x^7\,y^3-17\,x^{11}\,y^3+16\,x^{13}\,y^3+5\,x^{11}\,y^4-4\,x^{13}\,y^4\right)+F^3\left(-x^4-5\,x^8-7\,x^{12}+6\,x^{14}+2\,x^4\,y-3\,x^6\,y+17\,x^8\,y+31\,x^{12}\,y-24\,x^{14}\,y-x^4\,y^2+7\,x^6\,y^2-19\,x^8\,y^2-51\,x^{12}\,y^2+36\,x^{14}\,y^2-4\,x^6\,y^3+7\,x^8\,y^3+37\,x^{12}\,y^3-24\,x^{14}\,y^3-10\,x^{12}\,y^4+6\,x^{14}\,y^4\right)+F^2\left(-2\,x^3+3\,x^5-2\,x^7+8\,x^9+9\,x^{13}-4\,x^{15}-x\,y+2\,x^3\,y-6\,x^5\,y+10\,x^7\,y-25\,x^9\,y-37\,x^{13}\,y+16\,x^{15}\,y+3\,x^5\,y^2-14\,x^7\,y^2+26\,x^9\,y^2+57\,x^{13}\,y^2-24\,x^{15}\,y^2+6\,x^7\,y^3-9\,x^9\,y^3-39\,x^{13}\,y^3+16\,x^{15}\,y^3+10\,x^{13}\,y^4-4\,x^{15}\,y^4\right)+F\left(1-2\,x^2+3\,x^4-3\,x^6+3\,x^8-5\,x^{10}-5\,x^{14}+x^{16}+2\,x^2\,y-3\,x^4\,y+6\,x^6\,y-10\,x^8\,y+15\,x^{10}\,y+20\,x^{14}\,y-4\,x^{16}\,y-3\,x^6\,y^2+11\,x^8\,y^2-15\,x^{10}\,y^2-30\,x^{14}\,y^2+6\,x^{16}\,y^2-4\,x^8\,y^3+5\,x^{10}\,y^3+20\,x^{14}\,y^3-4\,x^{16}\,y^3-5\,x^{14}\,y^4+x^{16}\,y^4\right)\}$$

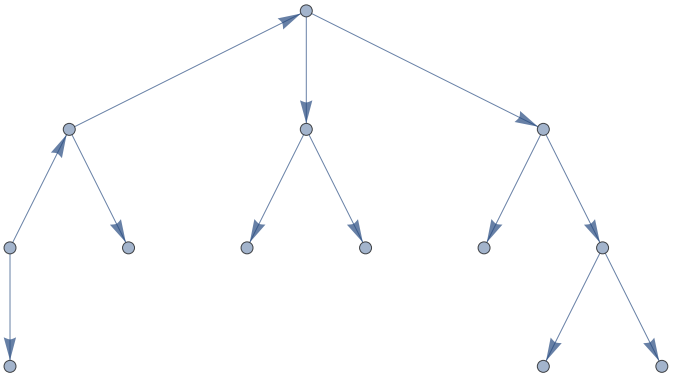
Out[67]=



Out[69]=
$$\{-x+x^3+G\left(1-2\,x^2+2\,x^4\right)+G^2\left(-2\,x^3+2\,x^5\right)+G^3\left(-x^4+x^6\right)\}$$

Out[71]=
$$\{x-x^3+x^3\,y+F\left(-1+2\,x^2-2\,x^4-2\,x^2\,y+2\,x^4\,y\right)+F^2\left(2\,x^3-2\,x^5+x\,y-2\,x^3\,y+2\,x^5\,y\right)+F^3\left(x^4-x^6-x^4\,y+x^6\,y\right)\}$$

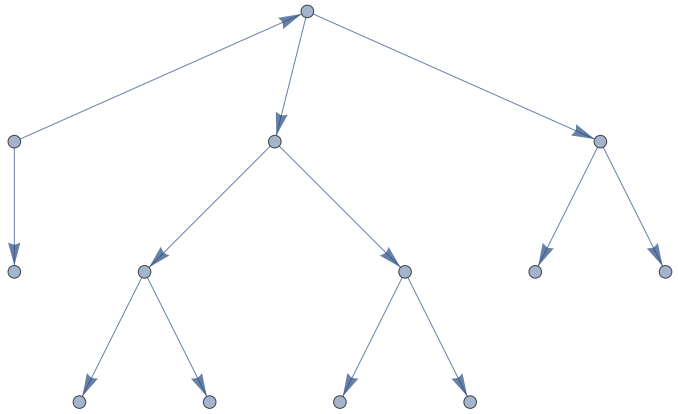
Out[73]=



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

Out[77]=
$$\{-x^4+x^4\,y+F^4\left(-x^4+x^4\,y\right)+F^3\left(-x^3+2\,x^5-x\,y+x^3\,y-2\,x^5\,y\right)+F\left(-x+3\,x^3-x^5-3\,x^3\,y+x^5\,y\right)+F^2\left(1-3\,x^2+2\,x^4-x^6+3\,x^2\,y-2\,x^4\,y+x^6\,y\right)\}$$

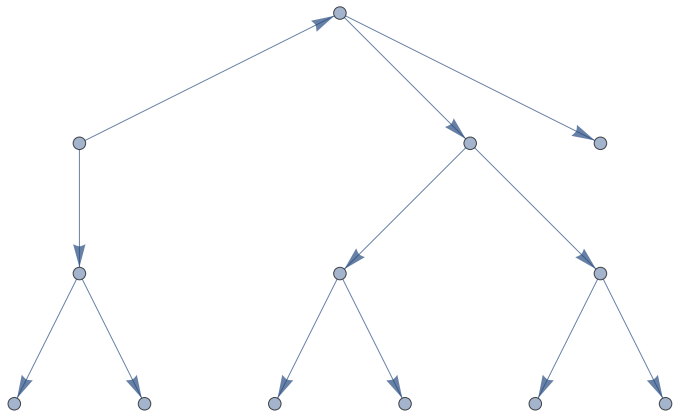
Out[79]=



Out[81]= $\left\{x - x^3 + G^3\, x^4 + x^5 + G^2\, \left(2\, x^3 - 2\, x^5\right) + G\, \left(-1 + 2\, x^2 - 3\, x^4 + x^6\right)\right\}$

Out[83]= $\left\{-x + x^3 - x^5 - x^3\, y + x^5\, y + F^3\, \left(-x^4 + x^4\, y\right) + \right.$
$\left. F^2\, \left(-2\, x^3 + 2\, x^5 - x\, y + 2\, x^3\, y - 2\, x^5\, y\right) + F\, \left(1 - 2\, x^2 + 3\, x^4 - x^6 + 2\, x^2\, y - 3\, x^4\, y + x^6\, y\right)\right\}$

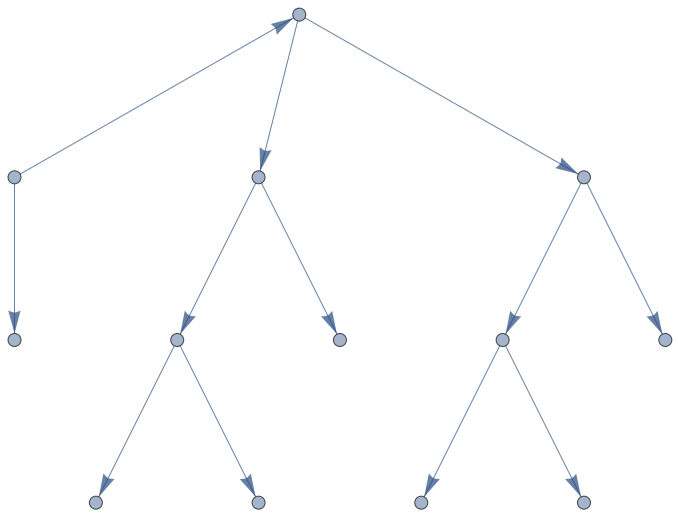
Out[85]=



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

Out[89]= $\left\{-x + x^3 - x^7 + x^9 - x^3\, y + 2\, x^7\, y - 2\, x^9\, y - x^7\, y^2 + x^9\, y^2 + F^3\, \left(-x^4 - 2\, x^6 + 4\, x^6\, y + x^4\, y^2 - 2\, x^6\, y^2\right) + \right.$
$F^2\, \left(-x^3 + 5\, x^7 - x\, y + x^3\, y + 3\, x^5\, y - 10\, x^7\, y - 3\, x^5\, y^2 + 5\, x^7\, y^2\right) +$
$\left. F\, \left(1 - 2\, x^2 + x^4 + 2\, x^6 - 4\, x^8 + 2\, x^2\, y - x^4\, y - 5\, x^6\, y + 8\, x^8\, y + 3\, x^6\, y^2 - 4\, x^8\, y^2\right)\right\}$

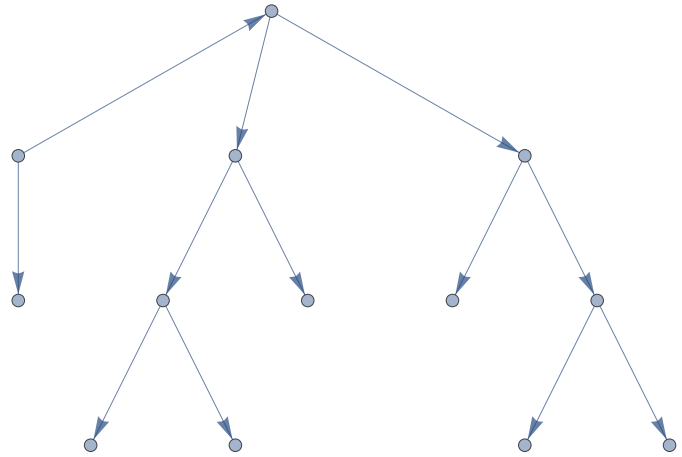
Out[91]=



Out[93]= $\left\{-x + x^3 + G\, \left(1 - 2\, x^2 + 2\, x^4\right) + G^2\, \left(-2\, x^3 + 2\, x^5\right) + G^3\, \left(-x^4 + x^6\right)\right\}$

Out[95]= $\{x - x^3 + x^3\, y + F\,(-1 + 2\,x^2 - 2\,x^4 - 2\,x^2\, y + 2\,x^4\, y) +$
$F^2\,(2\,x^3 - 2\,x^5 + x\, y - 2\,x^3\, y + 2\,x^5\, y) + F^3\,(x^4 - x^6 - x^4\, y + x^6\, y)\}$

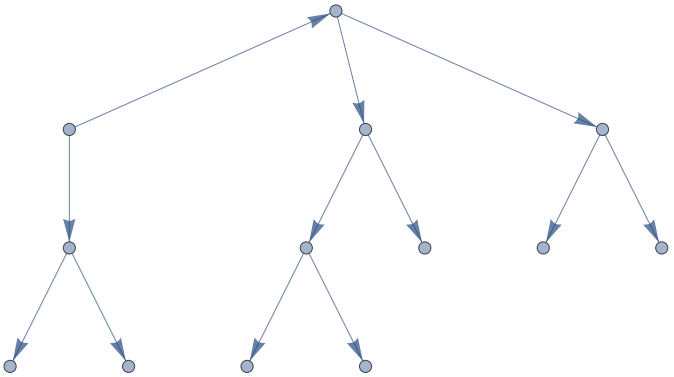
Out[97]=



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

Out[101]= $\{-x^4 + x^4\, y + F^4\,(-x^4 + x^4\, y) + F^3\,(-x^3 + 2\,x^5 - x\, y + x^3\, y - 2\,x^5\, y) +$
$F\,(-x + 3\,x^3 - x^5 - 3\,x^3\, y + x^5\, y) + F^2\,(1 - 3\,x^2 + 2\,x^4 - x^6 + 3\,x^2\, y - 2\,x^4\, y + x^6\, y)\}$

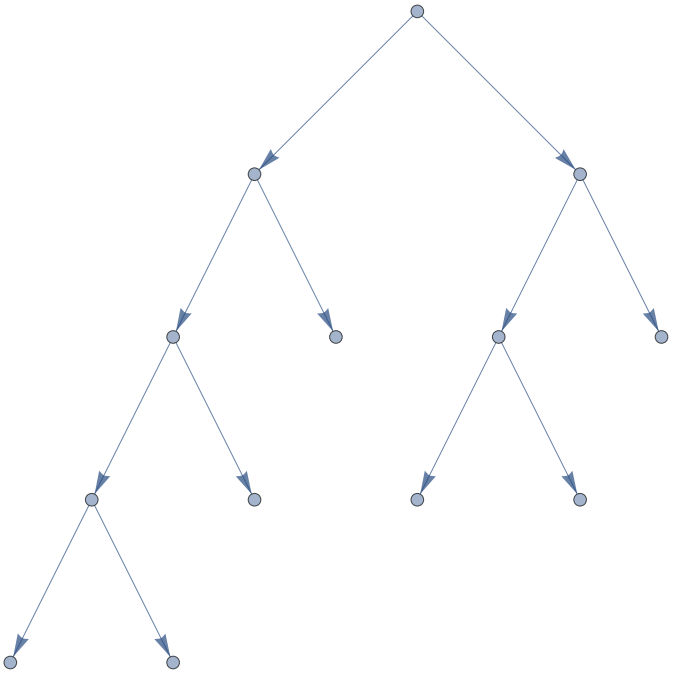
Out[103]=



Out[105]= $\{x - x^3 + G^3\, x^4 + x^5 + G^2\,(2\,x^3 - 2\,x^5) + G\,(-1 + 2\,x^2 - 3\,x^4 + x^6)\}$

Out[107]= $\{-x + x^3 - x^5 - x^3\, y + x^5\, y + F^3\,(-x^4 + x^4\, y) +$
$F^2\,(-2\,x^3 + 2\,x^5 - x\, y + 2\,x^3\, y - 2\,x^5\, y) + F\,(1 - 2\,x^2 + 3\,x^4 - x^6 + 2\,x^2\, y - 3\,x^4\, y + x^6\, y)\}$

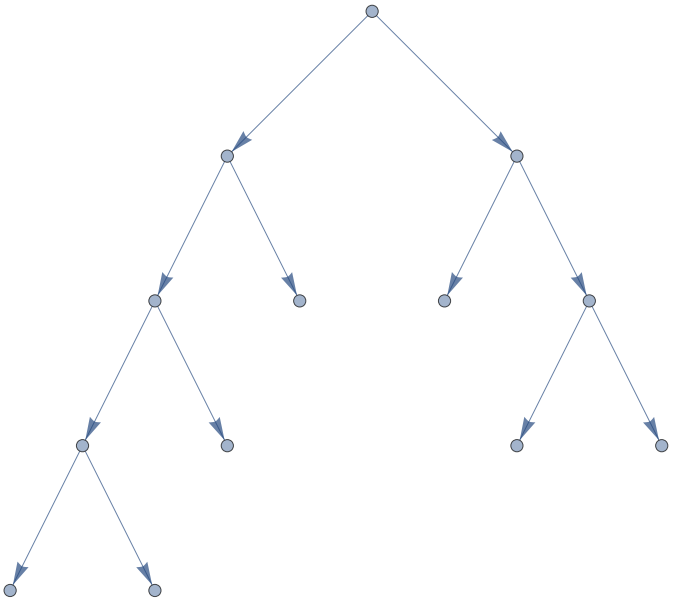
Out[109]=



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

Out[113]= $\left\{x-x^3+x^3\,y+F\left(-1+2\,x^2-2\,x^4-2\,x^2\,y+2\,x^4\,y\right)+F^2\left(2\,x^3-2\,x^5+x\,y-2\,x^3\,y+2\,x^5\,y\right)+F^3\left(x^4-x^6-x^4\,y+x^6\,y\right)\right\}$

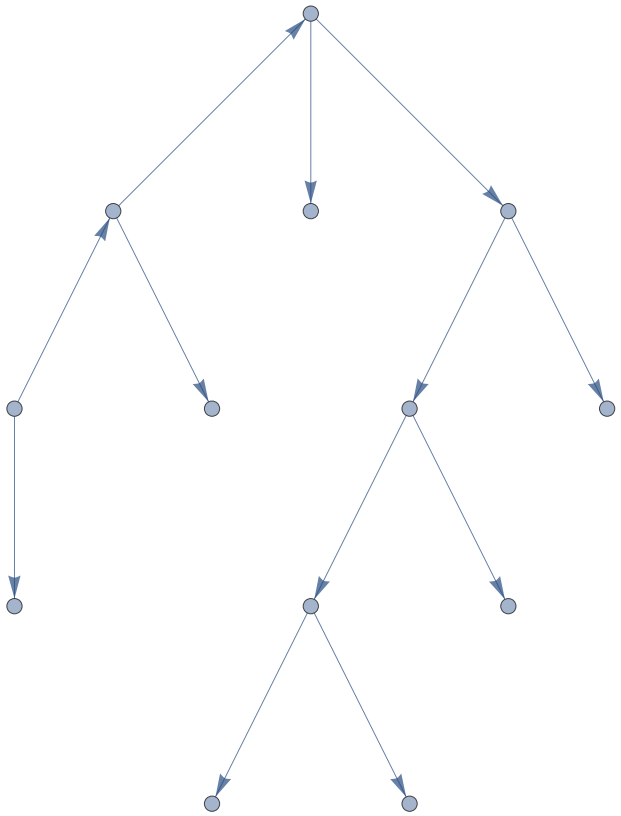
Out[115]=



Out[117]= $\left\{-x+x^3+G\left(1-2\,x^2+2\,x^4\right)+G^2\left(-2\,x^3+2\,x^5\right)+G^3\left(-x^4+x^6\right)\right\}$

Out[119]= $\left\{x-x^3+x^3\,y+F\left(-1+2\,x^2-2\,x^4-2\,x^2\,y+2\,x^4\,y\right)+F^2\left(2\,x^3-2\,x^5+x\,y-2\,x^3\,y+2\,x^5\,y\right)+F^3\left(x^4-x^6-x^4\,y+x^6\,y\right)\right\}$

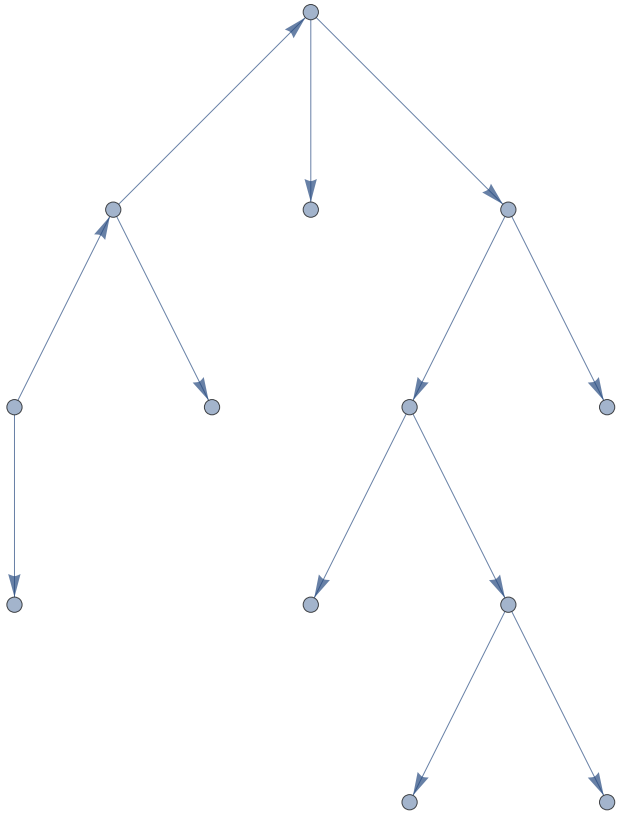
Out[121]=



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

Out[125]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-2x^4-2x^2y+2x^4y\right)+F^2\left(2x^3-2x^5+xy-2x^3y+2x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

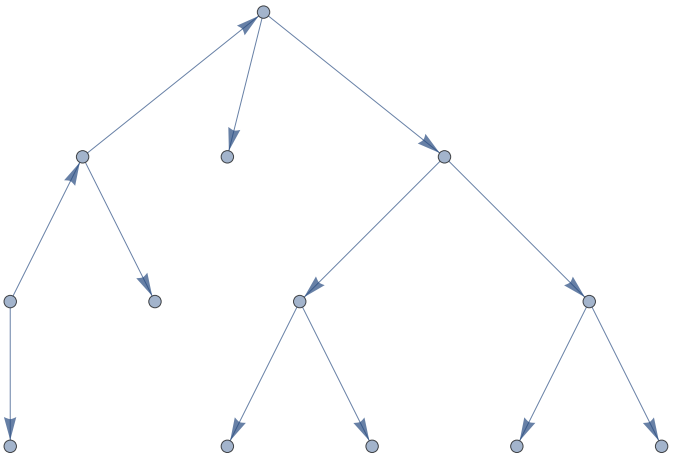
Out[127]=



Out[129]= $\left\{x^4 + G^3\left(2x^3 - x^5\right) + G\left(x - 3x^3 + 2x^5\right) + G^2\left(-1 + 3x^2 - 4x^4 + x^6\right)\right\}$

Out[131]= $\left\{-x^4 + x^4 y + F^3\left(-2x^3 + x^5 - xy + 2x^3 y - x^5 y\right) + F\left(-x + 3x^3 - 2x^5 - 3x^3 y + 2x^5 y\right) + F^2\left(1 - 3x^2 + 4x^4 - x^6 + 3x^2 y - 4x^4 y + x^6 y\right)\right\}$

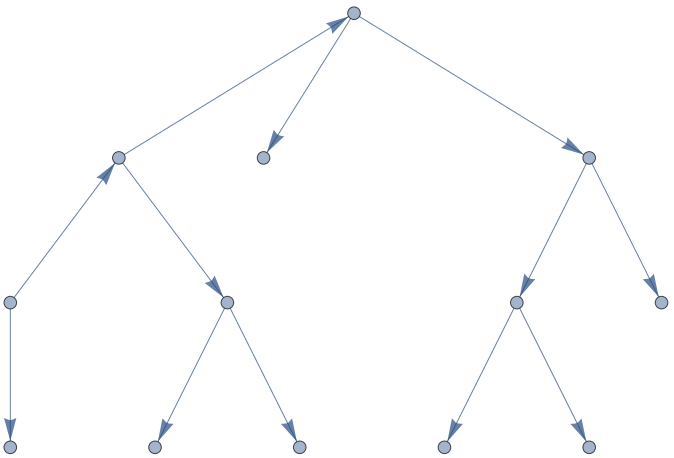
Out[133]=



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

Out[137]= $\left\{-x^4 + x^4 y + F^3\left(-2x^3 + x^5 - xy + 2x^3 y - x^5 y\right) + F\left(-x + 3x^3 - 2x^5 - 3x^3 y + 2x^5 y\right) + F^2\left(1 - 3x^2 + 4x^4 - x^6 + 3x^2 y - 4x^4 y + x^6 y\right)\right\}$

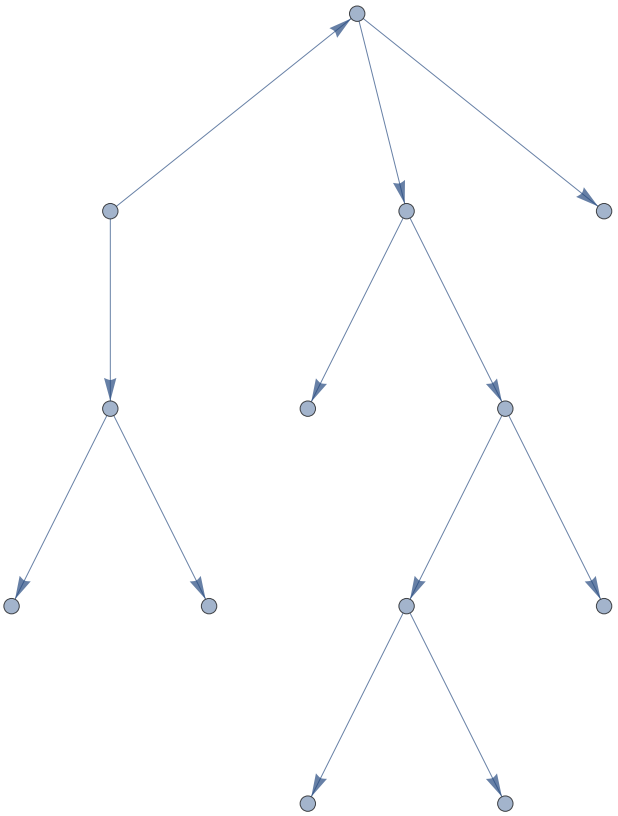
Out[139]=



Out[141]= $\left\{x - x^3 + x^5 + G^2\left(3x^3 - 2x^5\right) + G\left(-1 + 2x^2 - 4x^4 + x^6\right)\right\}$

Out[143]= $\left\{-x + x^3 - x^5 - x^3 y + x^5 y + F^2\left(-3x^3 + 2x^5 - xy + 3x^3 y - 2x^5 y\right) + F\left(1 - 2x^2 + 4x^4 - x^6 + 2x^2 y - 4x^4 y + x^6 y\right)\right\}$

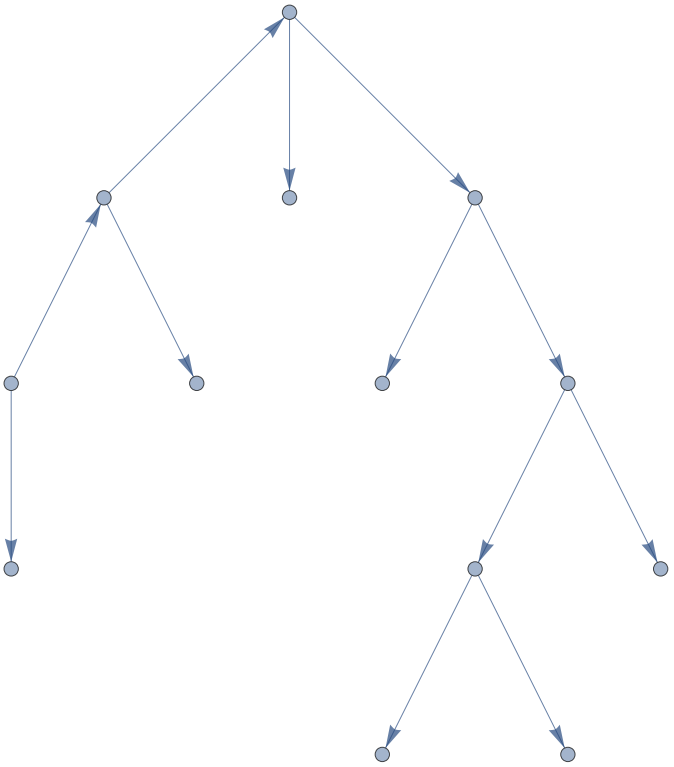
Out[145]=



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

Out[149]= $\left\{x - x^3 + x^7 + x^3 y - 2x^7 y + x^7 y^2 + \right.$
$F\left(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8 - 2x^2 y + 2x^4 y + 6x^6 y - 6x^8 y - 3x^6 y^2 + 3x^8 y^2\right) +$
$F^2\left(2x^3 + x^5 - 6x^7 + 3x^9 + x y - 2x^3 y - 4x^5 y + 12x^7 y - 6x^9 y + 3x^5 y^2 - 6x^7 y^2 + 3x^9 y^2\right) +$
$\left.F^3\left(2x^6 - 3x^8 + x^{10} + x^4 y - 5x^6 y + 6x^8 y - 2x^{10} y - x^4 y^2 + 3x^6 y^2 - 3x^8 y^2 + x^{10} y^2\right)\right\}$

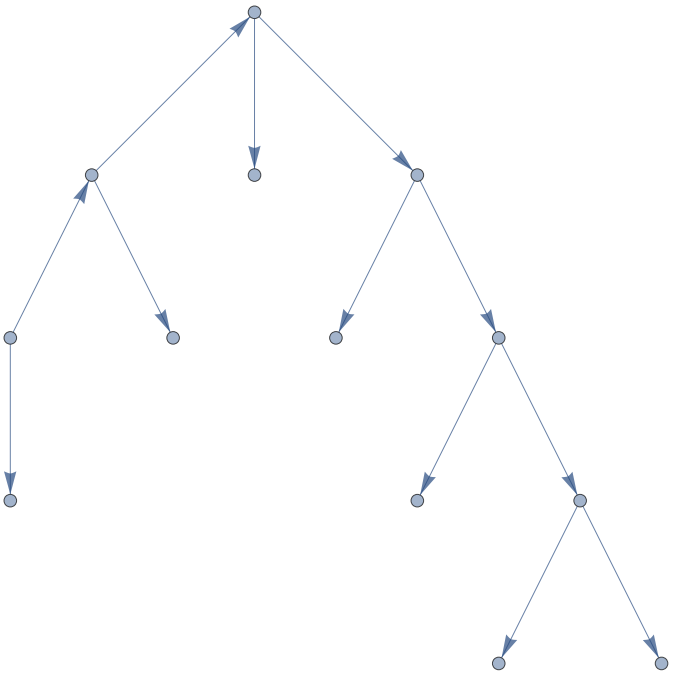
Out[151]=



Out[153]= $\left\{x^4 + G^3 \left(2 x^3 - x^5\right) + G \left(x - 3 x^3 + 2 x^5\right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + x^6\right)\right\}$

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

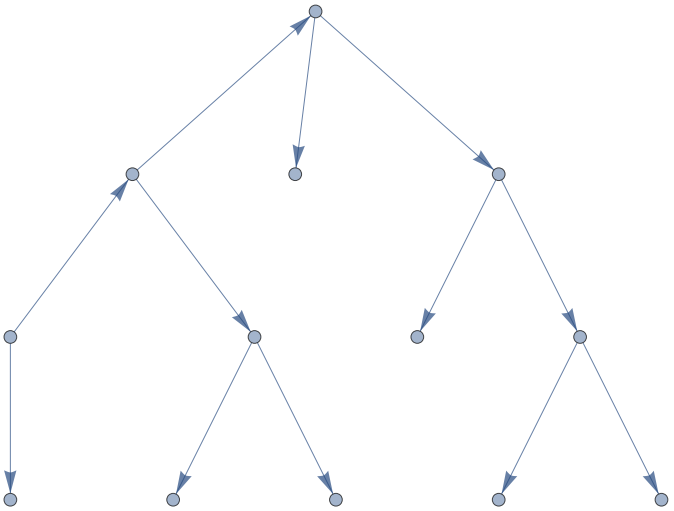
Out[157]=



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

Out[161]= $\left\{-x^5 + x^5 y + F^4 \left(x^3 + x y - x^3 y\right) + F^3 \left(-1 + 4 x^2 - 3 x^4 - 4 x^2 y + 3 x^4 y\right) + F^2 \left(x - 6 x^3 + 3 x^5 + 6 x^3 y - 3 x^5 y\right) + F \left(4 x^4 - x^6 - 4 x^4 y + x^6 y\right)\right\}$

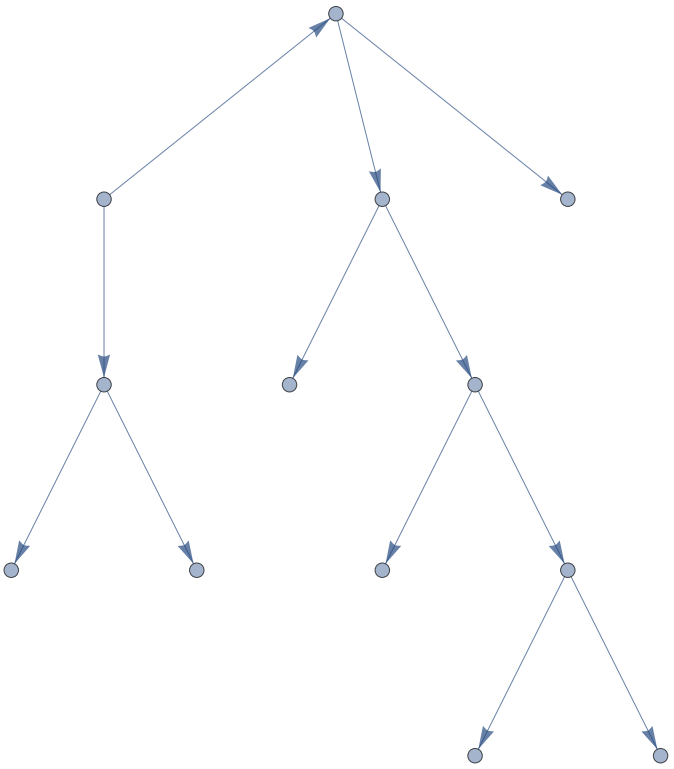
Out[163]=



Out[165]= $\left\{-2\,G^3\,x^3-x^4+x^6+G^2\,\left(1-3\,x^2+5\,x^4\right)+G\,\left(-x+3\,x^3-4\,x^5\right)\right\}$

Out[167]= $\left\{x^4-x^6-x^4\,y+x^6\,y+F^3\,\left(2\,x^3+x\,y-2\,x^3\,y\right)+\right.$
$\left.F^2\,\left(-1+3\,x^2-5\,x^4-3\,x^2\,y+5\,x^4\,y\right)+F\,\left(x-3\,x^3+4\,x^5+3\,x^3\,y-4\,x^5\,y\right)\right\}$

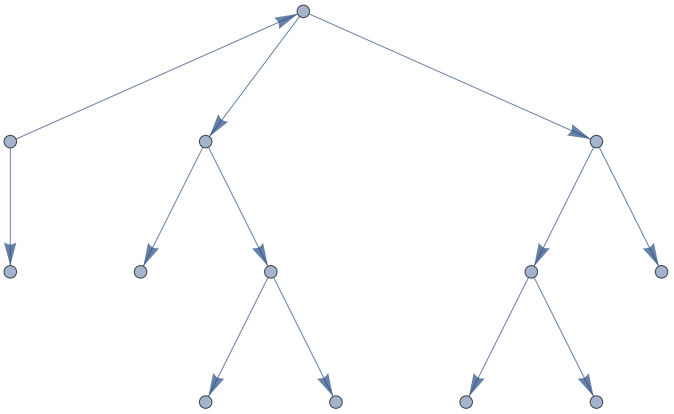
Out[169]=



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

Out[173]= $\left\{x-x^3+x^7+x^3\,y-2\,x^7\,y+x^7\,y^2+\right.$
$F\,\left(-1+2\,x^2-2\,x^4-3\,x^6+3\,x^8-2\,x^2\,y+2\,x^4\,y+6\,x^6\,y-6\,x^8\,y-3\,x^6\,y^2+3\,x^8\,y^2\right)+$
$F^2\,\left(2\,x^3+x^5-6\,x^7+3\,x^9+x\,y-2\,x^3\,y-4\,x^5\,y+12\,x^7\,y-6\,x^9\,y+3\,x^5\,y^2-6\,x^7\,y^2+3\,x^9\,y^2\right)+$
$\left.F^3\,\left(2\,x^6-3\,x^8+x^{10}+x^4\,y-5\,x^6\,y+6\,x^8\,y-2\,x^{10}\,y-x^4\,y^2+3\,x^6\,y^2-3\,x^8\,y^2+x^{10}\,y^2\right)\right\}$

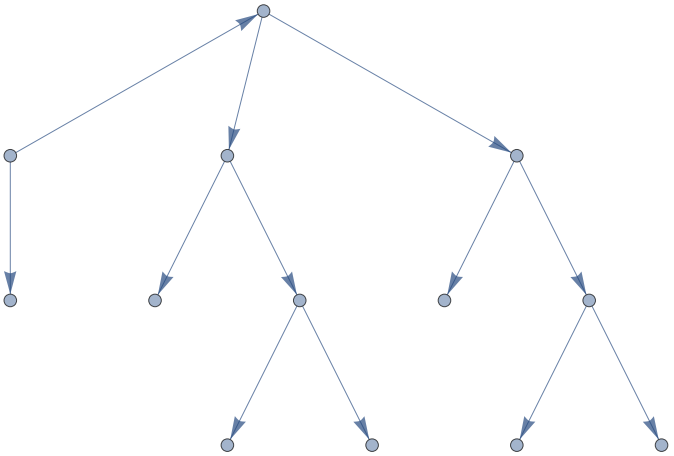
Out[175]=



Out[177]= $\left\{x - x^3 + x^5 + G^2 \left(3 x^3 - 2 x^5\right) + G \left(-1 + 2 x^2 - 4 x^4 + x^6\right)\right\}$

Out[179]= $\left\{-x + x^3 - x^5 - x^3 y + x^5 y + F^2 \left(-3 x^3 + 2 x^5 - x y + 3 x^3 y - 2 x^5 y\right) + F \left(1 - 2 x^2 + 4 x^4 - x^6 + 2 x^2 y - 4 x^4 y + x^6 y\right)\right\}$

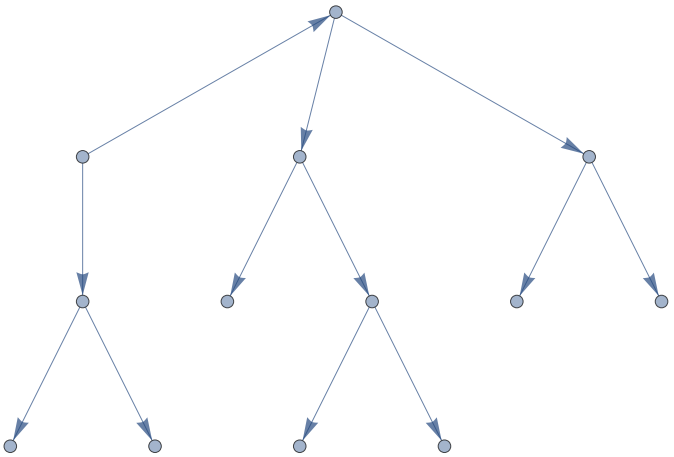
Out[181]=



Out[183]= $\left\{-2 G^3 x^3 - x^4 + x^6 + G^2 \left(1 - 3 x^2 + 5 x^4\right) + G \left(-x + 3 x^3 - 4 x^5\right)\right\}$

Out[185]= $\left\{x^4 - x^6 - x^4 y + x^6 y + F^3 \left(2 x^3 + x y - 2 x^3 y\right) + F^2 \left(-1 + 3 x^2 - 5 x^4 - 3 x^2 y + 5 x^4 y\right) + F \left(x - 3 x^3 + 4 x^5 + 3 x^3 y - 4 x^5 y\right)\right\}$

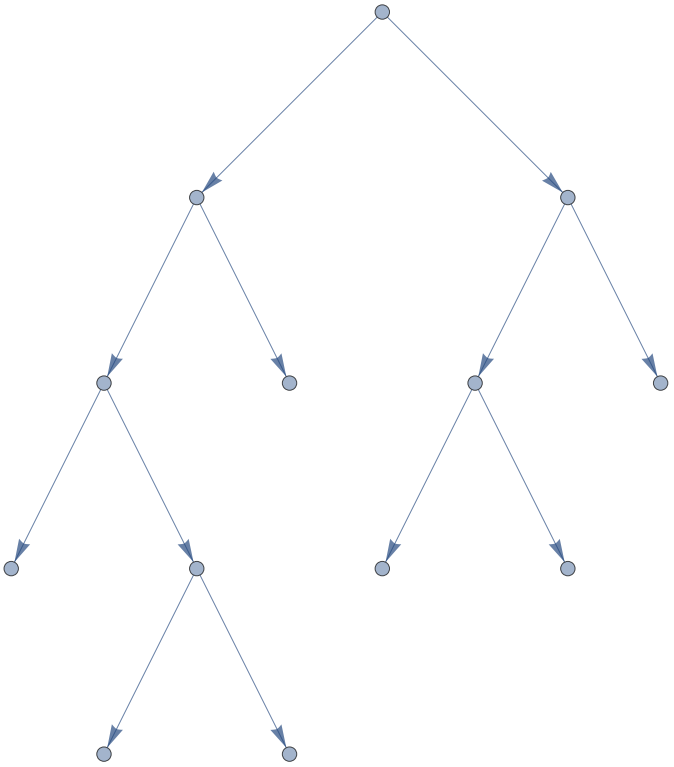
Out[187]=



Out[189]= $\left\{x - x^3 + G^3 x^4 + x^5 + G^2 \left(2 x^3 - 2 x^5\right) + G \left(-1 + 2 x^2 - 3 x^4 + x^6\right)\right\}$

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

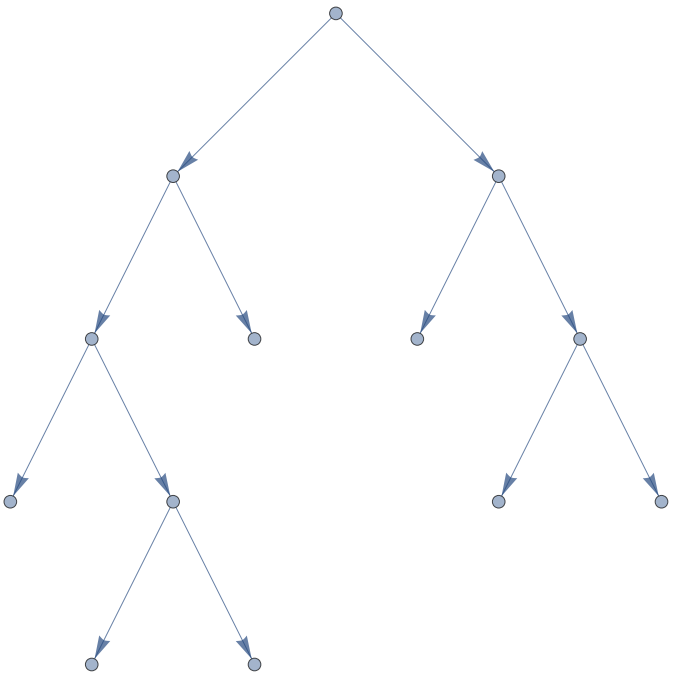
Out[193]=



Out[195]= $\{x - x^3 + x^7 + G \left(-1 + 2 x^2 - 2 x^4 - 3 x^6 + 3 x^8\right) + G^2 \left(2 x^3 + x^5 - 6 x^7 + 3 x^9\right) + G^3 \left(2 x^6 - 3 x^8 + x^{10}\right)\}$

Out[197]= $\{x - x^3 + x^7 + x^3 y - 2 x^7 y + x^7 y^2 +$
$F \left(-1 + 2 x^2 - 2 x^4 - 3 x^6 + 3 x^8 - 2 x^2 y + 2 x^4 y + 6 x^6 y - 6 x^8 y - 3 x^6 y^2 + 3 x^8 y^2\right) +$
$F^2 \left(2 x^3 + x^5 - 6 x^7 + 3 x^9 + x y - 2 x^3 y - 4 x^5 y + 12 x^7 y - 6 x^9 y + 3 x^5 y^2 - 6 x^7 y^2 + 3 x^9 y^2\right) +$
$F^3 \left(2 x^6 - 3 x^8 + x^{10} + x^4 y - 5 x^6 y + 6 x^8 y - 2 x^{10} y - x^4 y^2 + 3 x^6 y^2 - 3 x^8 y^2 + x^{10} y^2\right)\}$

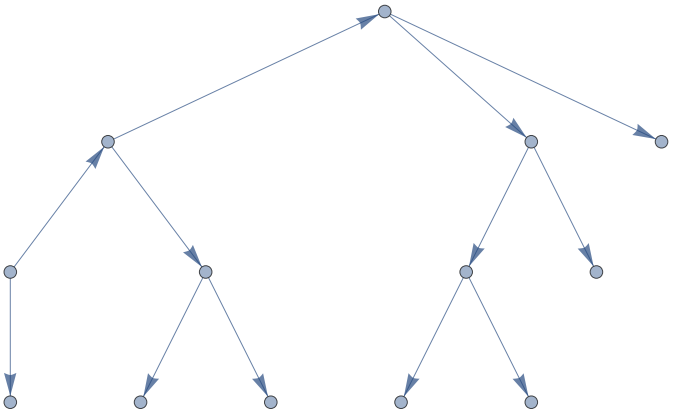
Out[199]=



Out[201]= $\left\{x - x^3 + x^7 + G\left(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8\right) + G^2\left(2x^3 + x^5 - 6x^7 + 3x^9\right) + G^3\left(2x^6 - 3x^8 + x^{10}\right)\right\}$

Out[203]= $\left\{x - x^3 + x^7 + x^3 y - 2x^7 y + x^7 y^2 + F\left(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8 - 2x^2 y + 2x^4 y + 6x^6 y - 6x^8 y - 3x^6 y^2 + 3x^8 y^2\right) + F^2\left(2x^3 + x^5 - 6x^7 + 3x^9 + x y - 2x^3 y - 4x^5 y + 12x^7 y - 6x^9 y + 3x^5 y^2 - 6x^7 y^2 + 3x^9 y^2\right) + F^3\left(2x^6 - 3x^8 + x^{10} + x^4 y - 5x^6 y + 6x^8 y - 2x^{10} y - x^4 y^2 + 3x^6 y^2 - 3x^8 y^2 + x^{10} y^2\right)\right\}$

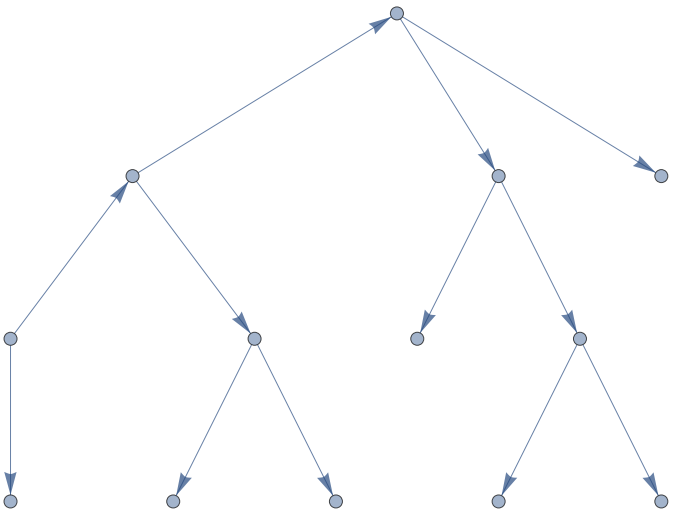
Out[205]=



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

Out[209]= $\left\{x - x^3 + x^3 y + F\left(-1 + 2x^2 - 2x^4 - 2x^2 y + 2x^4 y\right) + F^2\left(2x^3 - 2x^5 + x y - 2x^3 y + 2x^5 y\right) + F^3\left(x^4 - x^6 - x^4 y + x^6 y\right)\right\}$

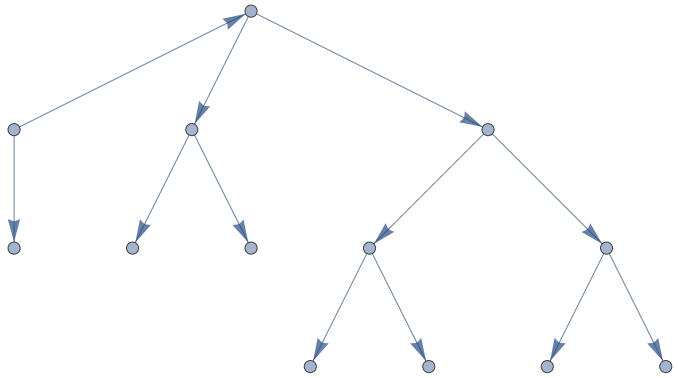
Out[211]=



Out[213]= $\left\{x - x^3 + x^5 + G^2\left(3x^3 - 2x^5\right) + G\left(-1 + 2x^2 - 4x^4 + x^6\right)\right\}$

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

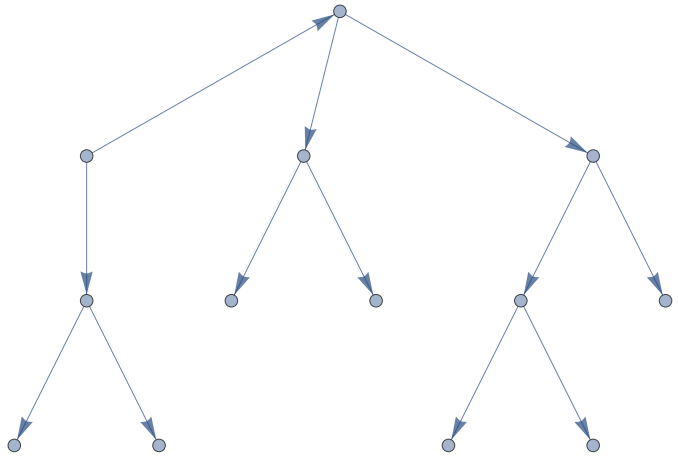
Out[217]=



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

Out[221]= $\left\{-x^4+x^4y+F^3\left(-2x^3+x^5-xy+2x^3y-x^5y\right)+\right.$
$\left.F\left(-x+3x^3-2x^5-3x^3y+2x^5y\right)+F^2\left(1-3x^2+4x^4-x^6+3x^2y-4x^4y+x^6y\right)\right\}$

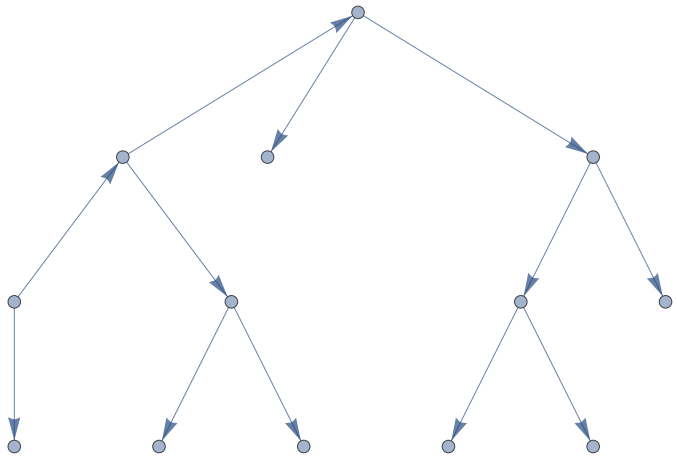
Out[223]=



Out[225]= $\left\{x-x^3+x^5+G^2\left(3x^3-2x^5\right)+G\left(-1+2x^2-4x^4+x^6\right)\right\}$

Out[227]= $\left\{-x+x^3-x^5-x^3y+x^5y+\right.$
$\left.F^2\left(-3x^3+2x^5-xy+3x^3y-2x^5y\right)+F\left(1-2x^2+4x^4-x^6+2x^2y-4x^4y+x^6y\right)\right\}$

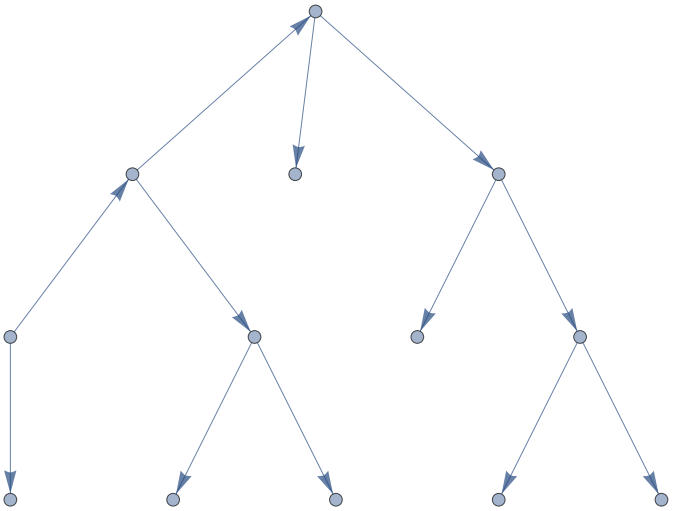
Out[229]=



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

Out[233]= $\left\{-x^4+x^4y+F^3\left(-2x^3+x^5-xy+2x^3y-x^5y\right)+\right.$
$\left.F\left(-x+3x^3-2x^5-3x^3y+2x^5y\right)+F^2\left(1-3x^2+4x^4-x^6+3x^2y-4x^4y+x^6y\right)\right\}$

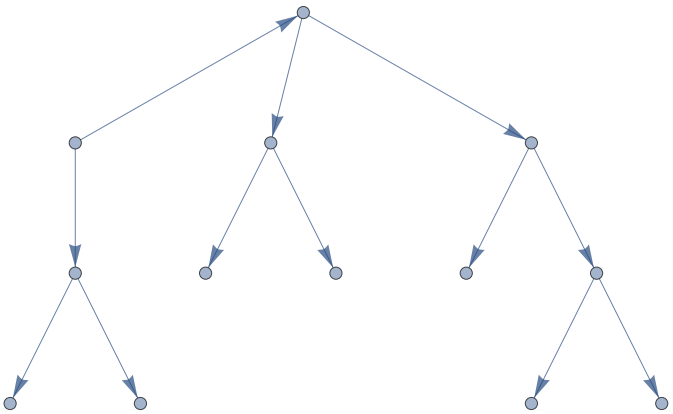
Out[235]=



Out[237]= $\left\{-G^4 x^3+x^5+G^3 \left(1-4 x^2+3 x^4\right)+G^2 \left(-x+6 x^3-3 x^5\right)+G \left(-4 x^4+x^6\right)\right\}$

Out[239]= $\left\{-x^5+x^5 y+F^4 \left(x^3+x y-x^3 y\right)+F^3 \left(-1+4 x^2-3 x^4-4 x^2 y+3 x^4 y\right)+\right.$
$\left.F^2 \left(x-6 x^3+3 x^5+6 x^3 y-3 x^5 y\right)+F \left(4 x^4-x^6-4 x^4 y+x^6 y\right)\right\}$

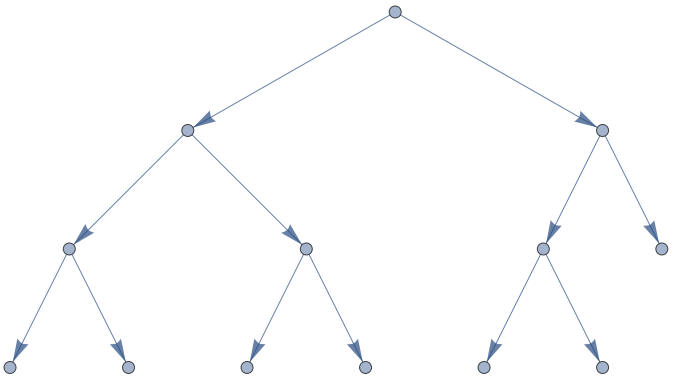
Out[241]=



Out[243]= $\left\{x-x^3+x^5+G^2 \left(3 x^3-2 x^5\right)+G \left(-1+2 x^2-4 x^4+x^6\right)\right\}$

Out[245]= $\left\{-x+x^3-x^5-x^3 y+x^5 y+\right.$
$\left.F^2 \left(-3 x^3+2 x^5-x y+3 x^3 y-2 x^5 y\right)+F \left(1-2 x^2+4 x^4-x^6+2 x^2 y-4 x^4 y+x^6 y\right)\right\}$

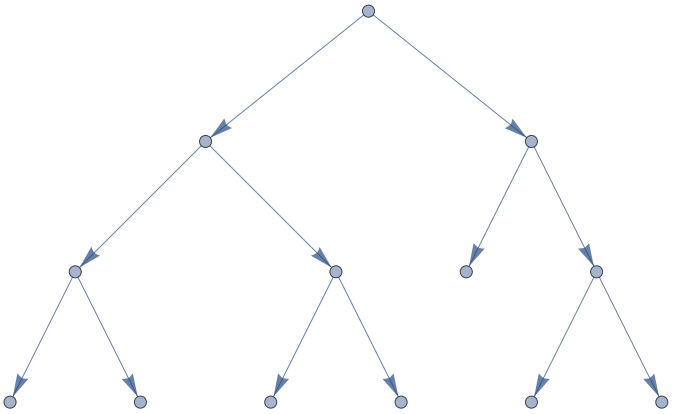
Out[247]=



Out[249]= $\left\{x-x^3+x^5+G^2 \left(3 x^3-2 x^5\right)+G \left(-1+2 x^2-4 x^4+x^6\right)\right\}$

Out[251]= $\left\{-x+x^3-x^5-x^3 y+x^5 y+\right.$
$\left.F^2 \left(-3 x^3+2 x^5-x y+3 x^3 y-2 x^5 y\right)+F \left(1-2 x^2+4 x^4-x^6+2 x^2 y-4 x^4 y+x^6 y\right)\right\}$

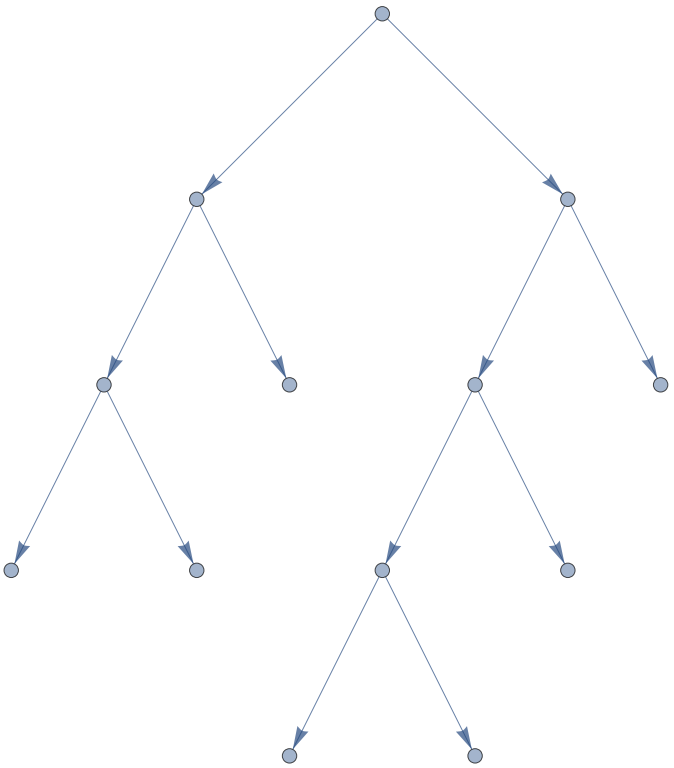
Out[253]=



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

Out[257]= $\left\{-x + x^3 - x^5 - x^3 y + x^5 y + F^2 \left(-3 x^3 + 2 x^5 - x y + 3 x^3 y - 2 x^5 y\right) + F \left(1 - 2 x^2 + 4 x^4 - x^6 + 2 x^2 y - 4 x^4 y + x^6 y\right)\right\}$

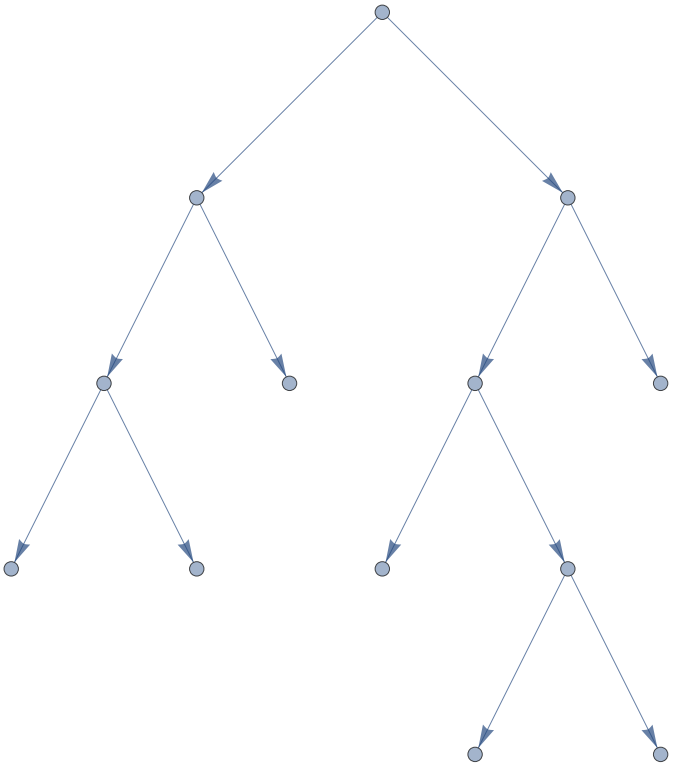
Out[259]=



Out[261]= $\left\{-x + x^3 + G \left(1 - 2 x^2 + 2 x^4\right) + G^2 \left(-2 x^3 + 2 x^5\right) + G^3 \left(-x^4 + x^6\right)\right\}$

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

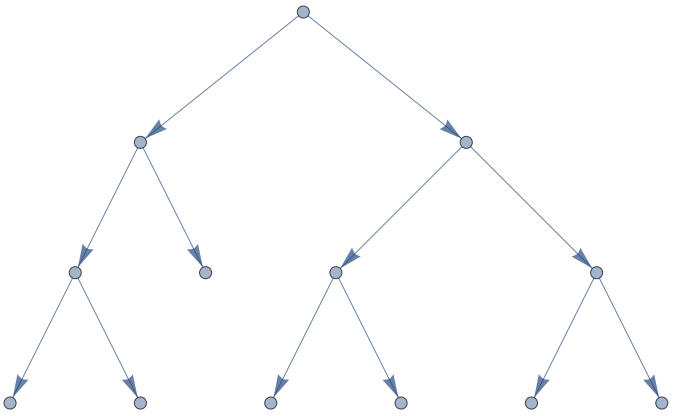
Out[265]=



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

Out[269]= $\left\{x-x^3+x^5+x^3 y-x^5 y+F\left(-1+2 x^2-4 x^4-2 x^2 y+4 x^4 y\right)+\right.$
$\left.F^2\left(3 x^3-x^5+x y-3 x^3 y+x^5 y\right)+F^3\left(-x^6+x^6 y\right)\right\}$

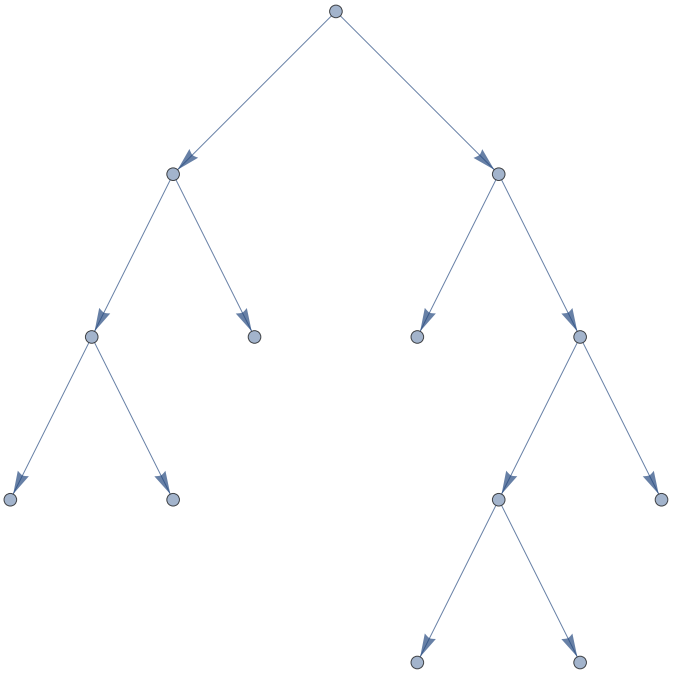
Out[271]=



Out[273]= $\left\{x-x^3+x^5+G^2\left(3 x^3-2 x^5\right)+G\left(-1+2 x^2-4 x^4+x^6\right)\right\}$

Out[275]= $\left\{-x+x^3-x^5-x^3 y+x^5 y+\right.$
$\left.F^2\left(-3 x^3+2 x^5-x y+3 x^3 y-2 x^5 y\right)+F\left(1-2 x^2+4 x^4-x^6+2 x^2 y-4 x^4 y+x^6 y\right)\right\}$

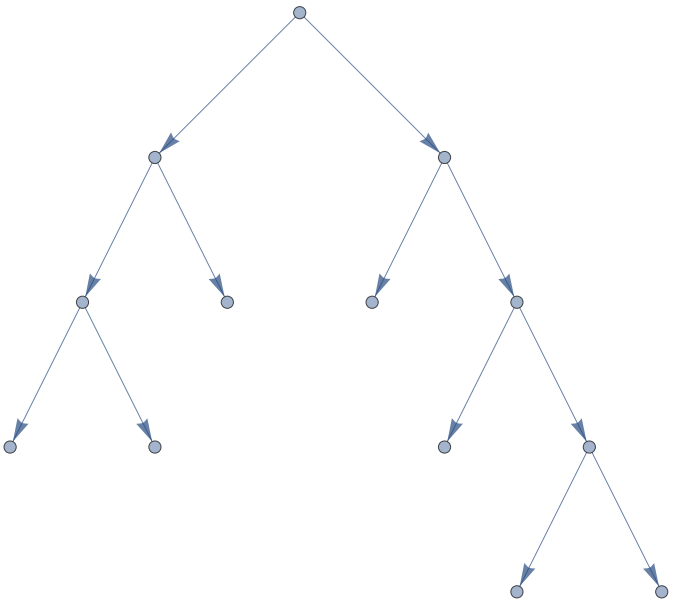
Out[277]=



Out[279]= $\left\{x - x^3 + x^7 + G\left(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8\right) + G^2\left(2x^3 + x^5 - 6x^7 + 3x^9\right) + G^3\left(2x^6 - 3x^8 + x^{10}\right)\right\}$

Out[281]= $\left\{x - x^3 + x^7 + x^3 y - 2x^7 y + x^7 y^2 + F\left(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8 - 2x^2 y + 2x^4 y + 6x^6 y - 6x^8 y - 3x^6 y^2 + 3x^8 y^2\right) + F^2\left(2x^3 + x^5 - 6x^7 + 3x^9 + x y - 2x^3 y - 4x^5 y + 12x^7 y - 6x^9 y + 3x^5 y^2 - 6x^7 y^2 + 3x^9 y^2\right) + F^3\left(2x^6 - 3x^8 + x^{10} + x^4 y - 5x^6 y + 6x^8 y - 2x^{10} y - x^4 y^2 + 3x^6 y^2 - 3x^8 y^2 + x^{10} y^2\right)\right\}$

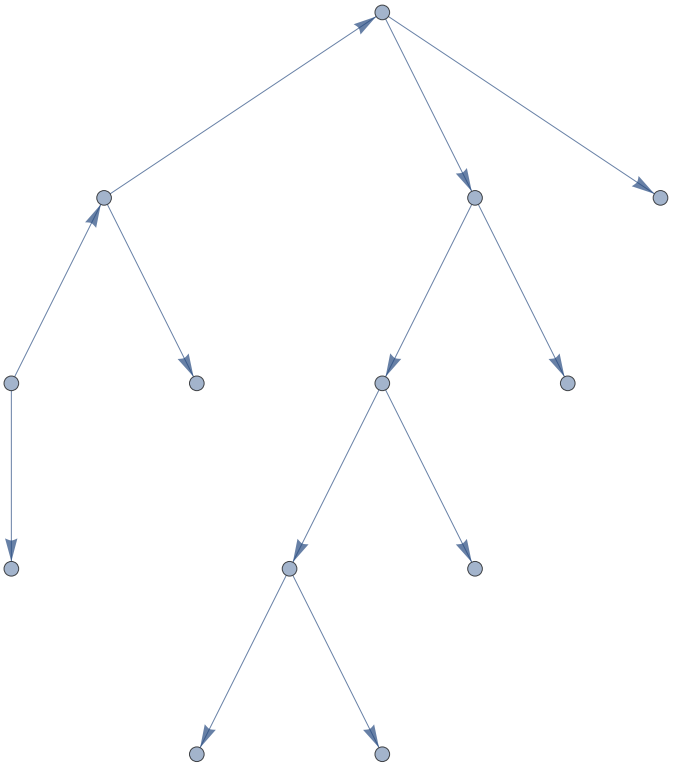
Out[283]=



Out[285]= $\left\{-x + x^3 + G\left(1 - 2x^2 + 2x^4\right) + G^2\left(-2x^3 + 2x^5\right) + G^3\left(-x^4 + x^6\right)\right\}$

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

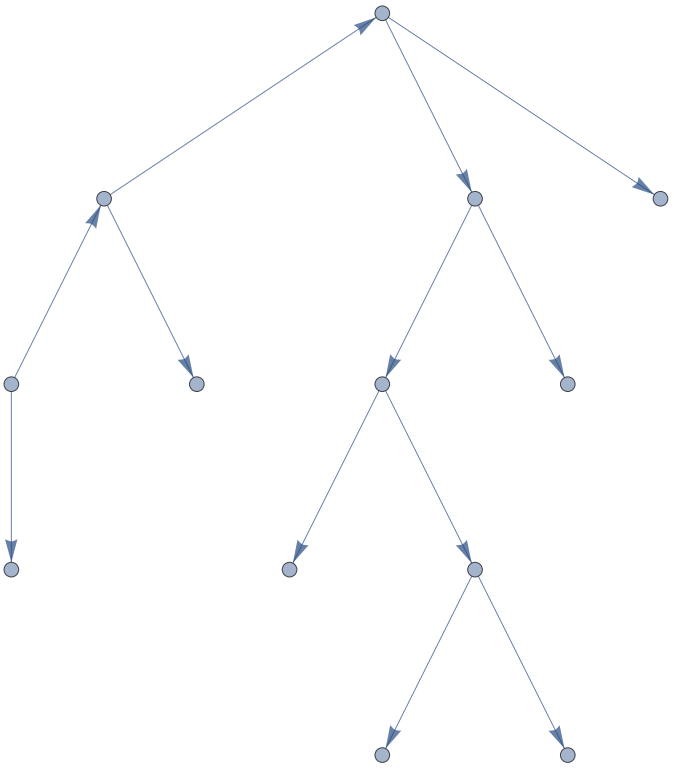
Out[289]=



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

Out[293]= $\left\{x^2-x^4+x^4y+F\left(-2x+3x^3-3x^5-3x^3y+3x^5y\right)+\right.$
$\left.F^2\left(1-2x^2+6x^4-3x^6+3x^2y-6x^4y+3x^6y\right)+F^3\left(-3x^3+3x^5-x^7-xy+3x^3y-3x^5y+x^7y\right)\right\}$

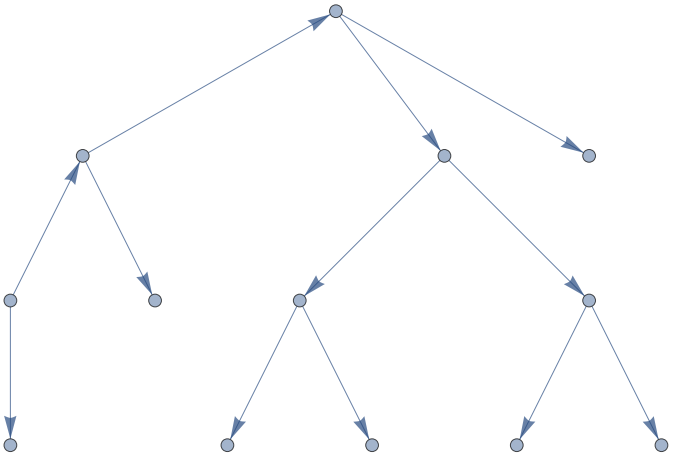
Out[295]=



Out[297]= $\left\{x-x^3+x^5+G^2\left(3x^3-2x^5\right)+G\left(-1+2x^2-4x^4+x^6\right)\right\}$

Out[299]= $\left\{-x+x^3-x^5-x^3\,y+x^5\,y+\right.$
$\left.F^2\left(-3\,x^3+2\,x^5-x\,y+3\,x^3\,y-2\,x^5\,y\right)+F\left(1-2\,x^2+4\,x^4-x^6+2\,x^2\,y-4\,x^4\,y+x^6\,y\right)\right\}$

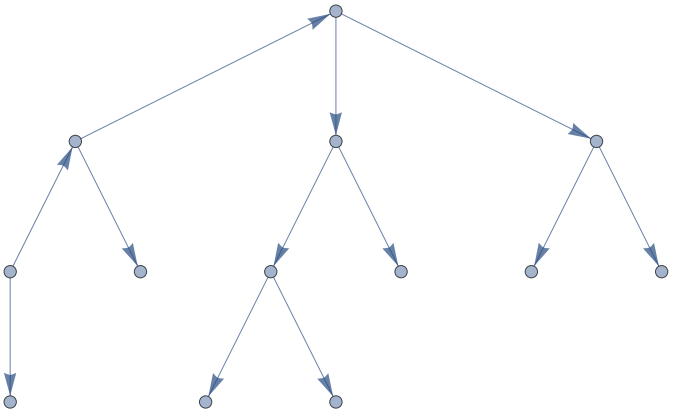
Out[301]=



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

Out[305]= $\left\{-x+x^3-x^5-x^3\,y+x^5\,y+\right.$
$\left.F^2\left(-3\,x^3+2\,x^5-x\,y+3\,x^3\,y-2\,x^5\,y\right)+F\left(1-2\,x^2+4\,x^4-x^6+2\,x^2\,y-4\,x^4\,y+x^6\,y\right)\right\}$

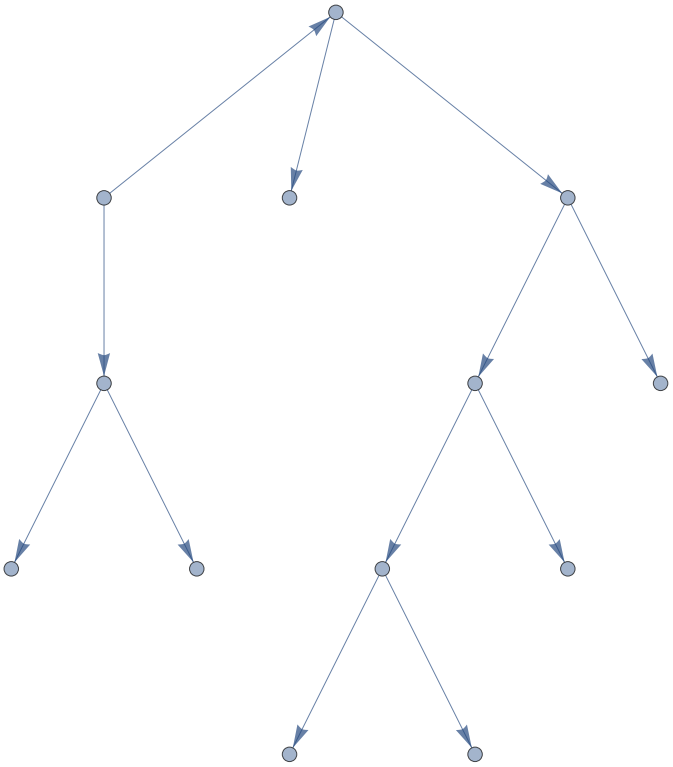
Out[307]=



Out[309]= $\left\{x^4+G^3\left(2\,x^3-x^5\right)+G\left(x-3\,x^3+2\,x^5\right)+G^2\left(-1+3\,x^2-4\,x^4+x^6\right)\right\}$

Out[311]= $\left\{-x^4+x^4\,y+F^3\left(-2\,x^3+x^5-x\,y+2\,x^3\,y-x^5\,y\right)+\right.$
$\left.F\left(-x+3\,x^3-2\,x^5-3\,x^3\,y+2\,x^5\,y\right)+F^2\left(1-3\,x^2+4\,x^4-x^6+3\,x^2\,y-4\,x^4\,y+x^6\,y\right)\right\}$

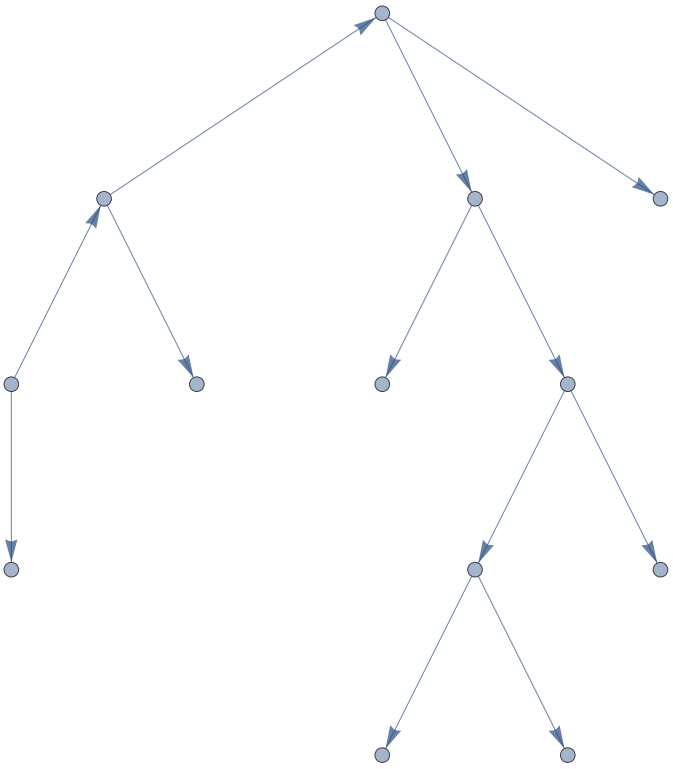
Out[313]=



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

Out[317]= $\left\{x-x^3+x^5+x^3 y-x^5 y+F\left(-1+2 x^2-4 x^4-2 x^2 y+4 x^4 y\right)+\right.$
$\left.F^2\left(3 x^3-x^5+x y-3 x^3 y+x^5 y\right)+F^3\left(-x^6+x^6 y\right)\right\}$

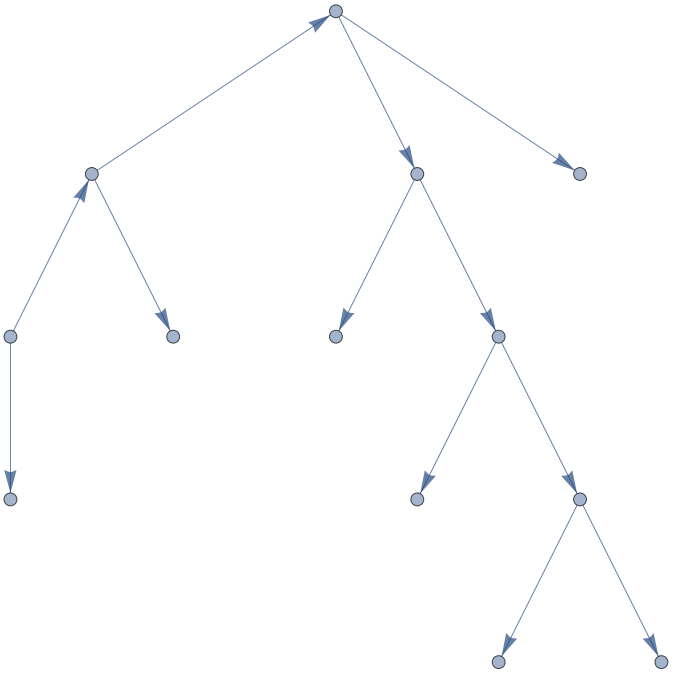
Out[319]=



Out[321]= $\left\{x-x^3+G^3 x^4+x^5+G^2\left(2 x^3-2 x^5\right)+G\left(-1+2 x^2-3 x^4+x^6\right)\right\}$

Out[323]= $\left\{-x+x^3-x^5-x^3\,y+x^5\,y+F^3\left(-x^4+x^4\,y\right)+F^2\left(-2\,x^3+2\,x^5-x\,y+2\,x^3\,y-2\,x^5\,y\right)+F\left(1-2\,x^2+3\,x^4-x^6+2\,x^2\,y-3\,x^4\,y+x^6\,y\right)\right\}$

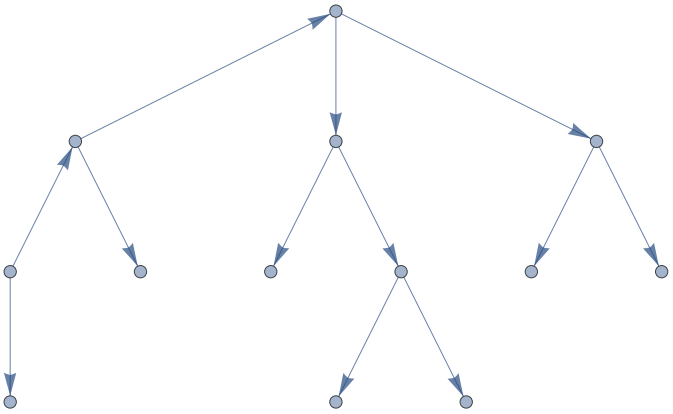
Out[325]=



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

Out[329]= $\left\{x^4-x^6-x^4\,y+x^6\,y+F^3\left(2\,x^3+x\,y-2\,x^3\,y\right)+F^2\left(-1+3\,x^2-5\,x^4-3\,x^2\,y+5\,x^4\,y\right)+F\left(x-3\,x^3+4\,x^5+3\,x^3\,y-4\,x^5\,y\right)\right\}$

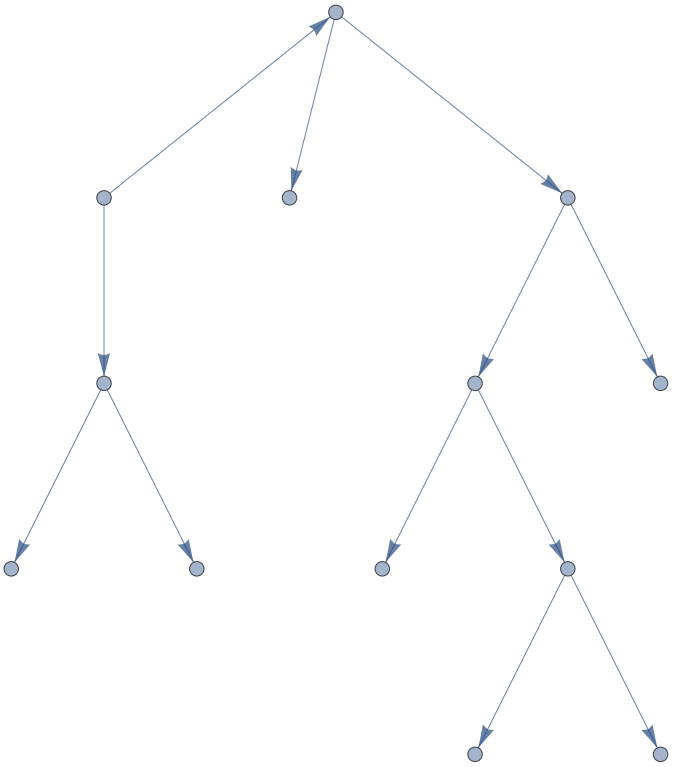
Out[331]=



Out[333]= $\left\{-2\,G^3\,x^3-x^4+x^6+G^2\left(1-3\,x^2+5\,x^4\right)+G\left(-x+3\,x^3-4\,x^5\right)\right\}$

Out[335]= $\left\{x^4-x^6-x^4\,y+x^6\,y+F^3\left(2\,x^3+x\,y-2\,x^3\,y\right)+F^2\left(-1+3\,x^2-5\,x^4-3\,x^2\,y+5\,x^4\,y\right)+F\left(x-3\,x^3+4\,x^5+3\,x^3\,y-4\,x^5\,y\right)\right\}$

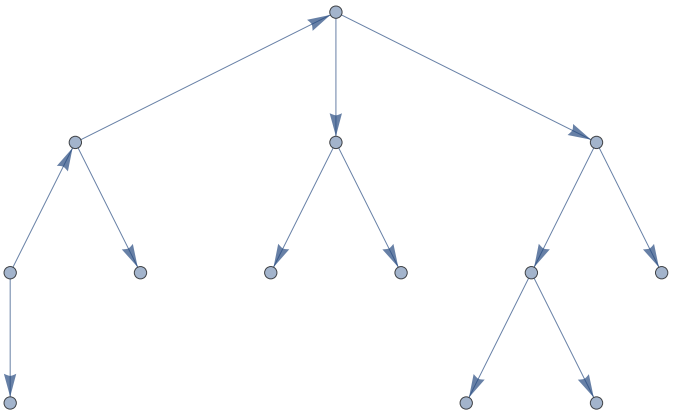
Out[337]=



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

Out[341]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-2x^4-2x^2y+2x^4y\right)+F^2\left(2x^3-2x^5+xy-2x^3y+2x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

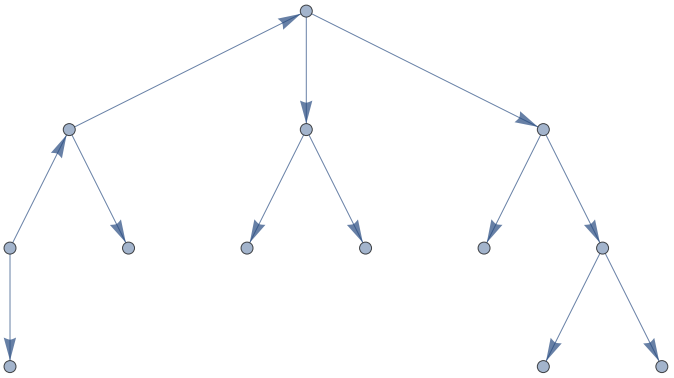
Out[343]=



Out[345]= $\left\{x^4+G^3\left(2x^3-x^5\right)+G\left(x-3x^3+2x^5\right)+G^2\left(-1+3x^2-4x^4+x^6\right)\right\}$

Out[347]= $\left\{-x^4+x^4y+F^3\left(-2x^3+x^5-xy+2x^3y-x^5y\right)+F\left(-x+3x^3-2x^5-3x^3y+2x^5y\right)+F^2\left(1-3x^2+4x^4-x^6+3x^2y-4x^4y+x^6y\right)\right\}$

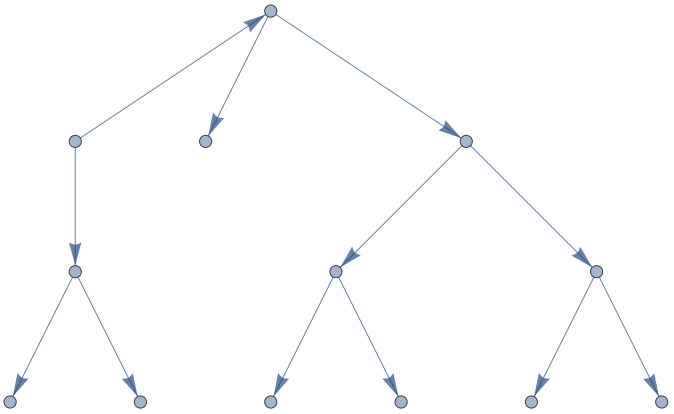
Out[349]=



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

Out[353]= $\left\{-x^5+x^5 y+F^4 \left(x^3+x y-x^3 y\right)+F^3 \left(-1+4 x^2-3 x^4-4 x^2 y+3 x^4 y\right)+\right.$
$\left.F^2 \left(x-6 x^3+3 x^5+6 x^3 y-3 x^5 y\right)+F \left(4 x^4-x^6-4 x^4 y+x^6 y\right)\right\}$

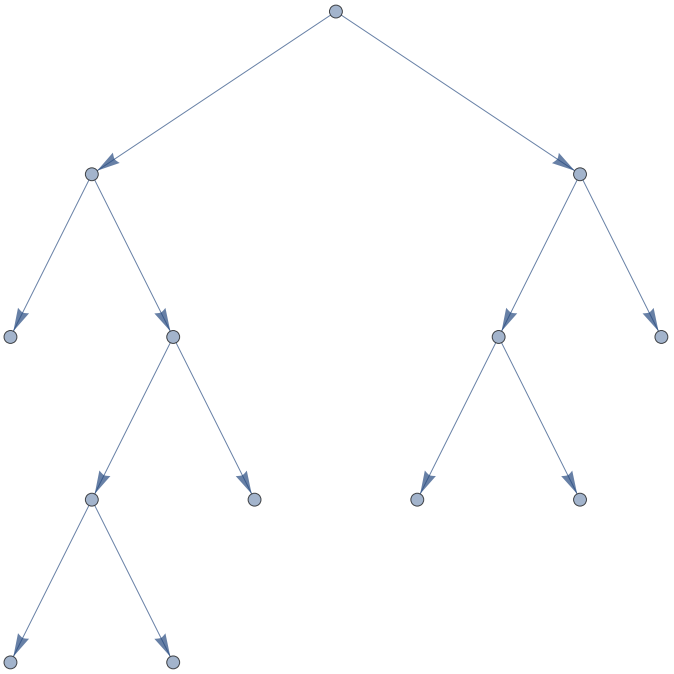
Out[355]=



Out[357]= $\left\{x-x^3+x^5+G^2 \left(3 x^3-2 x^5\right)+G \left(-1+2 x^2-4 x^4+x^6\right)\right\}$

Out[359]= $\left\{-x+x^3-x^5-x^3 y+x^5 y+\right.$
$\left.F^2 \left(-3 x^3+2 x^5-x y+3 x^3 y-2 x^5 y\right)+F \left(1-2 x^2+4 x^4-x^6+2 x^2 y-4 x^4 y+x^6 y\right)\right\}$

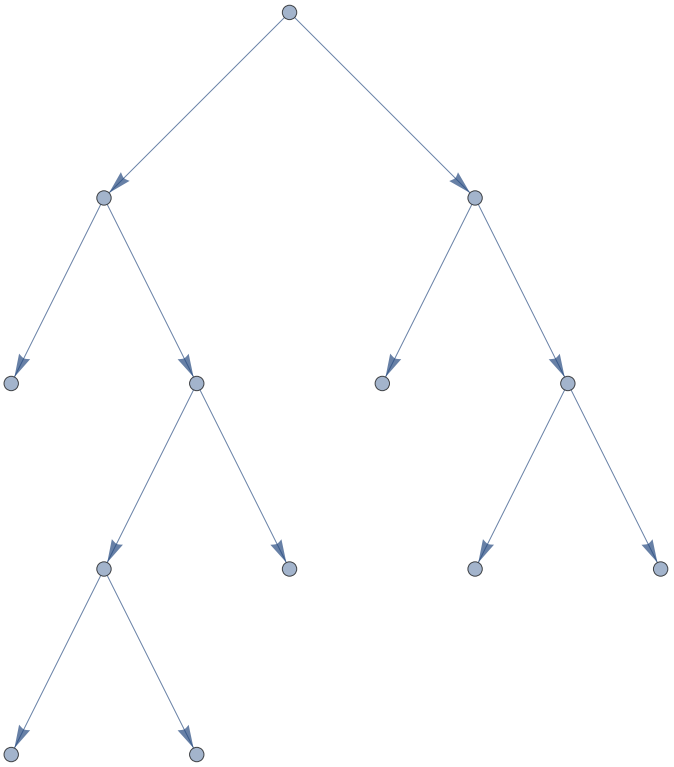
Out[361]=



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

Out[365]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-2x^4-2x^2y+2x^4y\right)+F^2\left(2x^3-2x^5+xy-2x^3y+2x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

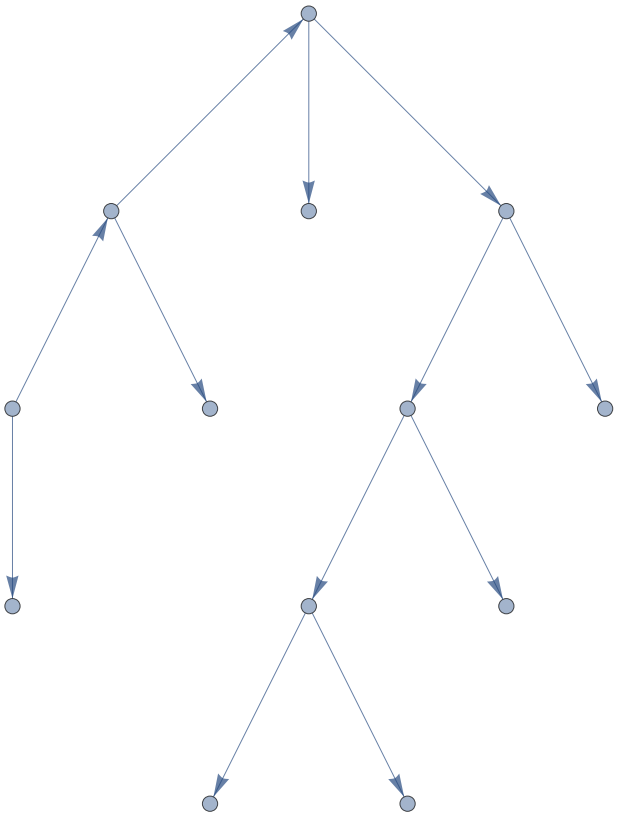
Out[367]=



Out[369]= $\left\{-x+x^3-x^5+G^3x^6+G\left(1-2x^2+4x^4\right)+G^2\left(-3x^3+x^5\right)\right\}$

Out[371]= $\left\{x-x^3+x^5+x^3y-x^5y+F\left(-1+2x^2-4x^4-2x^2y+4x^4y\right)+F^2\left(3x^3-x^5+xy-3x^3y+x^5y\right)+F^3\left(-x^6+x^6y\right)\right\}$

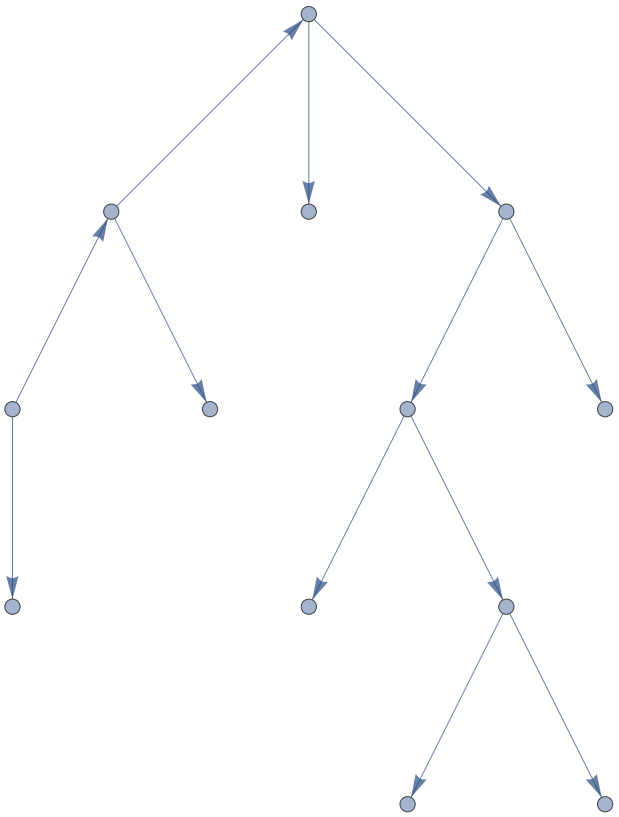
Out[373]=



Out[375]= $\left\{x^4 + G^3 \left(2 x^3 - x^5\right) + G \left(x - 3 x^3 + 2 x^5\right) + G^2 \left(-1 + 3 x^2 - 4 x^4 + x^6\right)\right\}$

Out[377]= $\left\{-x^4 + x^4 y + F^3 \left(-2 x^3 + x^5 - x y + 2 x^3 y - x^5 y\right) + F \left(-x + 3 x^3 - 2 x^5 - 3 x^3 y + 2 x^5 y\right) + F^2 \left(1 - 3 x^2 + 4 x^4 - x^6 + 3 x^2 y - 4 x^4 y + x^6 y\right)\right\}$

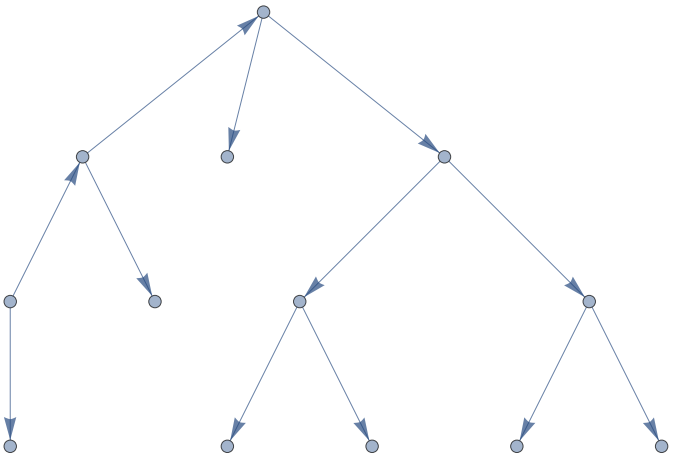
Out[379]=



Out[381]= $\left\{-2\,G^3\,x^3 - x^4 + x^6 + G^2\,\left(1 - 3\,x^2 + 5\,x^4\right) + G\,\left(-x + 3\,x^3 - 4\,x^5\right)\right\}$

Out[383]= $\left\{x^4 - x^6 - x^4\,y + x^6\,y + F^3\,\left(2\,x^3 + x\,y - 2\,x^3\,y\right) + F^2\,\left(-1 + 3\,x^2 - 5\,x^4 - 3\,x^2\,y + 5\,x^4\,y\right) + F\,\left(x - 3\,x^3 + 4\,x^5 + 3\,x^3\,y - 4\,x^5\,y\right)\right\}$

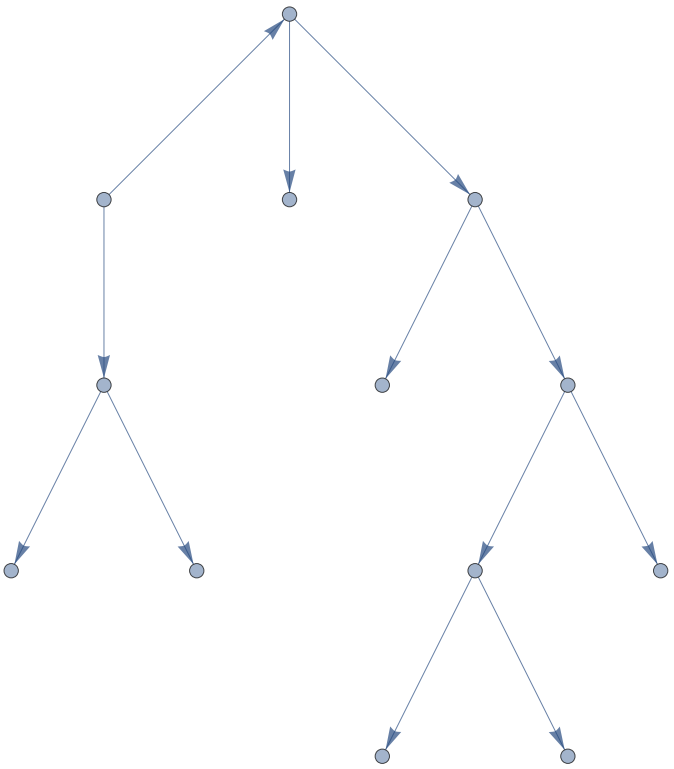
Out[385]=



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

Out[389]= $\left\{-x^5 + x^5\,y + F^4\,\left(x^3 + x\,y - x^3\,y\right) + F^3\,\left(-1 + 4\,x^2 - 3\,x^4 - 4\,x^2\,y + 3\,x^4\,y\right) + F^2\,\left(x - 6\,x^3 + 3\,x^5 + 6\,x^3\,y - 3\,x^5\,y\right) + F\,\left(4\,x^4 - x^6 - 4\,x^4\,y + x^6\,y\right)\right\}$

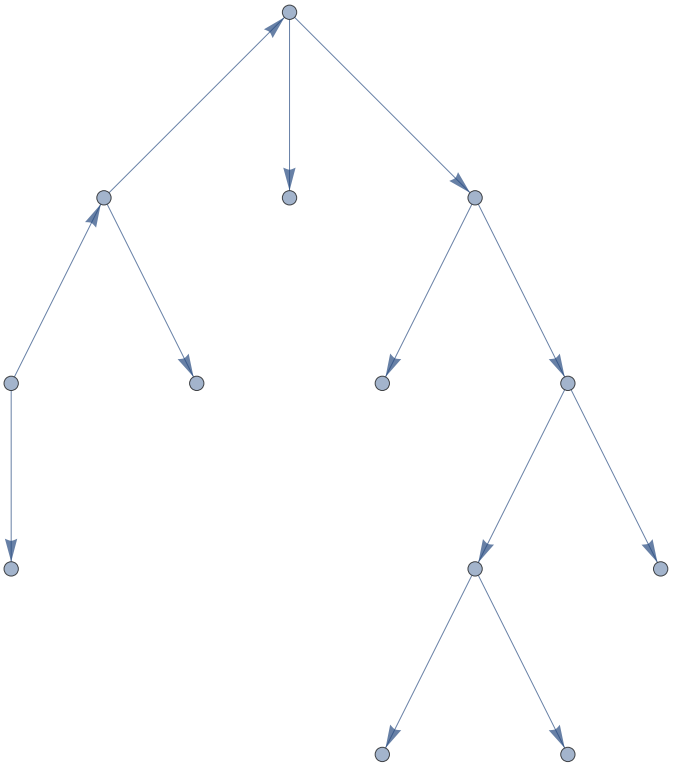
Out[391]=



Out[393]= $\left\{-x^2 + x^4 + G\,\left(2\,x - 3\,x^3 + 3\,x^5\right) + G^2\,\left(-1 + 2\,x^2 - 6\,x^4 + 3\,x^6\right) + G^3\,\left(3\,x^3 - 3\,x^5 + x^7\right)\right\}$

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

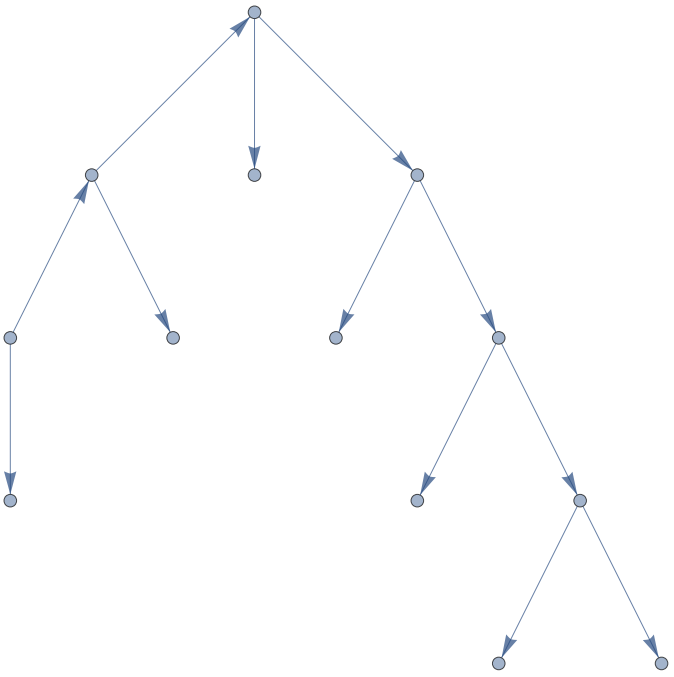
Out[397]=



Out[399]= $\left\{-G^4 x^3+x^5+G^3 \left(1-4 x^2+3 x^4\right)+G^2 \left(-x+6 x^3-3 x^5\right)+G \left(-4 x^4+x^6\right)\right\}$

Out[401]= $\left\{-x^5+x^5 y+F^4 \left(x^3+x y-x^3 y\right)+F^3 \left(-1+4 x^2-3 x^4-4 x^2 y+3 x^4 y\right)+\right.$
$\left.F^2 \left(x-6 x^3+3 x^5+6 x^3 y-3 x^5 y\right)+F \left(4 x^4-x^6-4 x^4 y+x^6 y\right)\right\}$

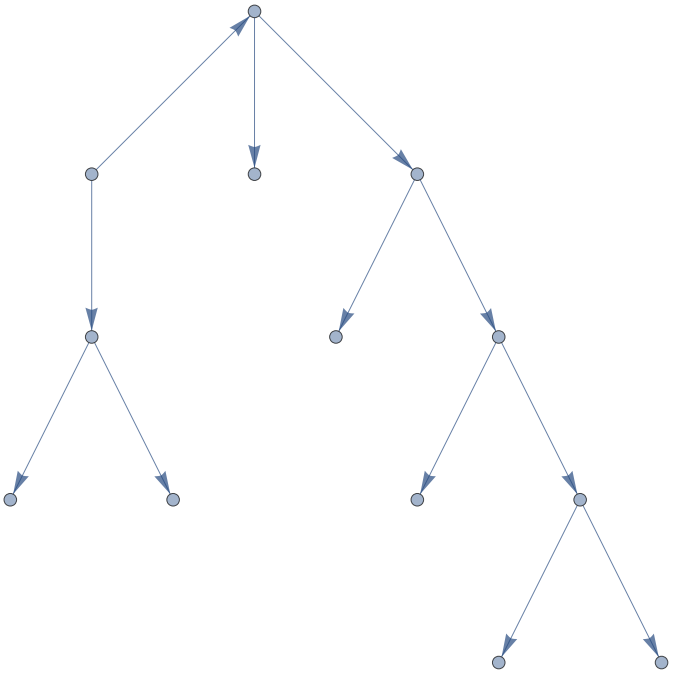
Out[403]=



Out[405]= $\left\{10 G^2 x^4-5 G x^5+x^6+G^4 \left(-1+5 x^2\right)+G^3 \left(x-10 x^3\right)\right\}$

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

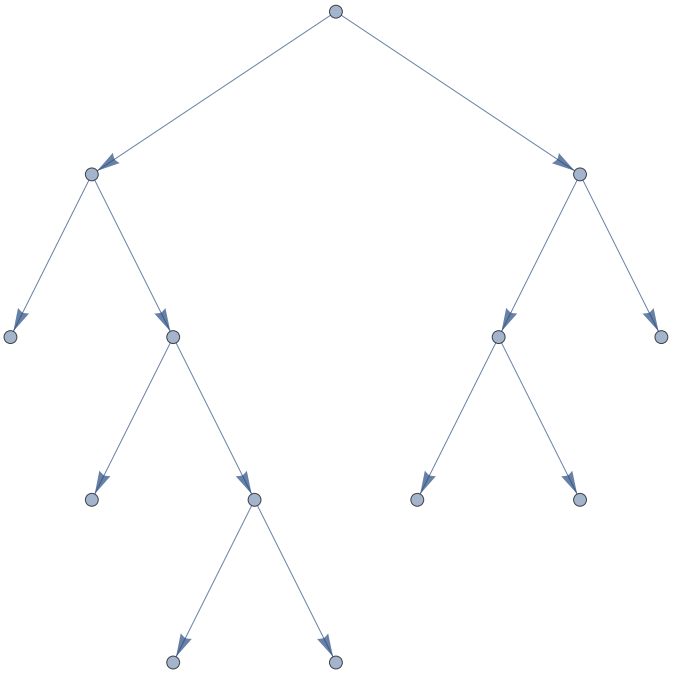
Out[409]=



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

Out[413]= $\left\{x^2-x^4+x^4y+F\left(-2x+3x^3-3x^5-3x^3y+3x^5y\right)+\right.$
$\left.F^2\left(1-2x^2+6x^4-3x^6+3x^2y-6x^4y+3x^6y\right)+F^3\left(-3x^3+3x^5-x^7-xy+3x^3y-3x^5y+x^7y\right)\right\}$

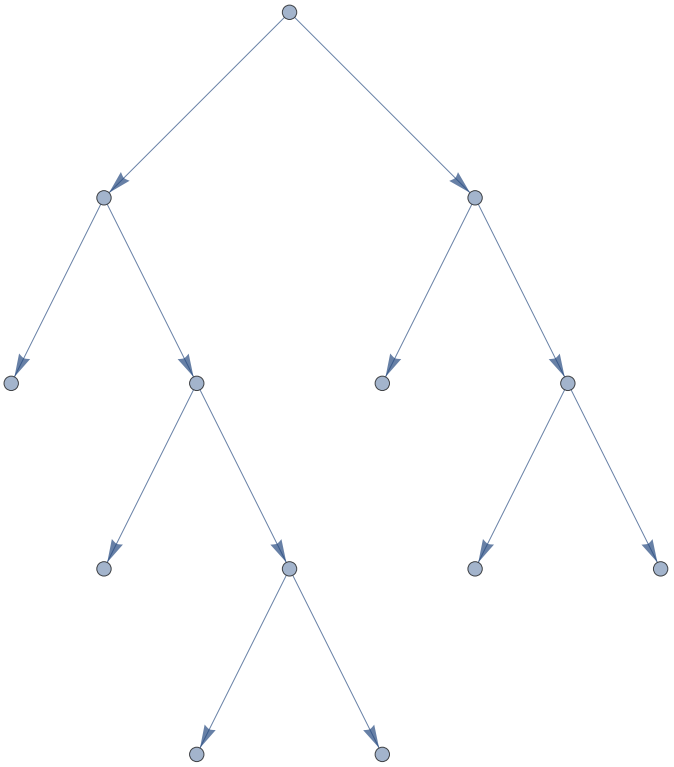
Out[415]=



Out[417]= $\left\{-x+x^3-x^5+G^3x^6+G\left(1-2x^2+4x^4\right)+G^2\left(-3x^3+x^5\right)\right\}$

Out[419]= $\left\{x-x^3+x^5+x^3y-x^5y+F\left(-1+2x^2-4x^4-2x^2y+4x^4y\right)+\right.$
$\left.F^2\left(3x^3-x^5+xy-3x^3y+x^5y\right)+F^3\left(-x^6+x^6y\right)\right\}$

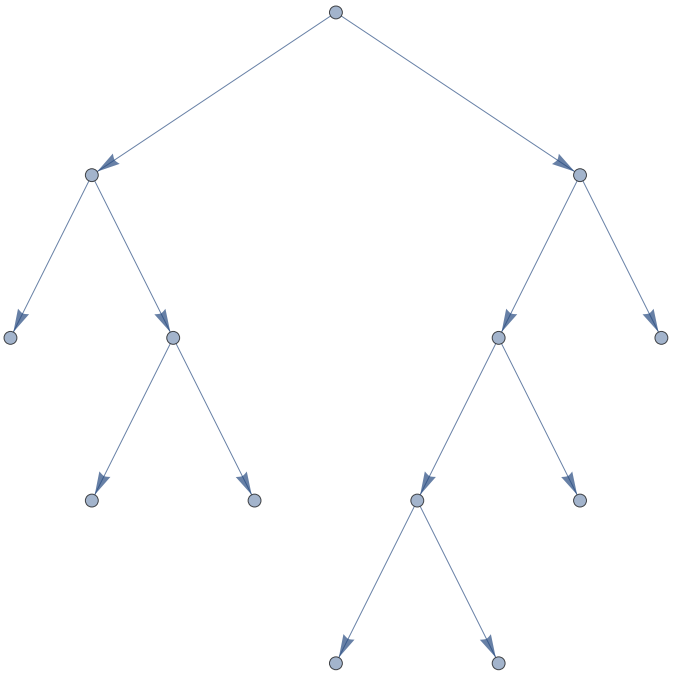
Out[421]=



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

Out[425]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-2x^4-2x^2y+2x^4y\right)+F^2\left(2x^3-2x^5+xy-2x^3y+2x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

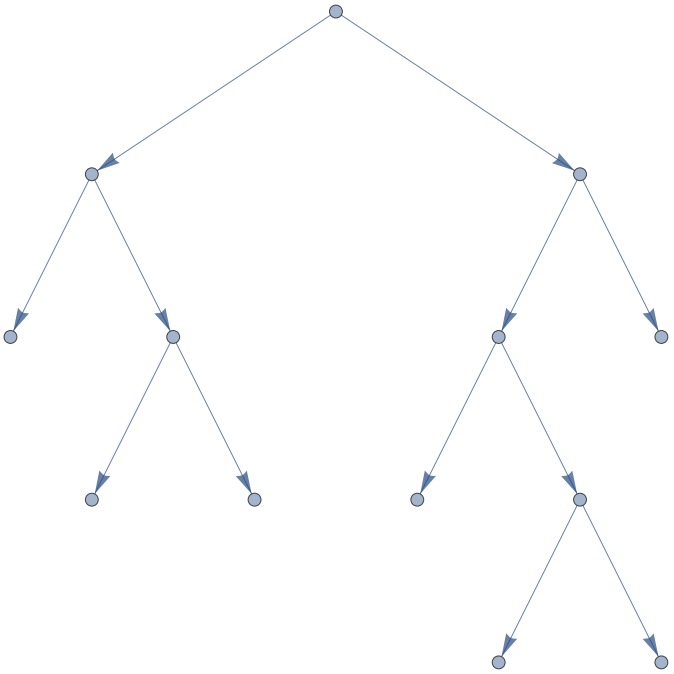
Out[427]=



Out[429]= $\left\{-x+x^3-x^5+G^3x^6+G\left(1-2x^2+4x^4\right)+G^2\left(-3x^3+x^5\right)\right\}$

Out[431]= $\left\{x-x^3+x^5+x^3y-x^5y+F\left(-1+2x^2-4x^4-2x^2y+4x^4y\right)+F^2\left(3x^3-x^5+xy-3x^3y+x^5y\right)+F^3\left(-x^6+x^6y\right)\right\}$

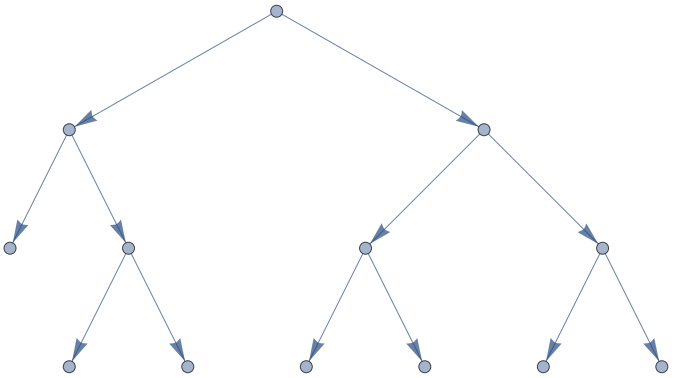
Out[433]=



Out[435]= $\left\{-x+x^3+G\left(1-2x^2+2x^4\right)+G^2\left(-2x^3+2x^5\right)+G^3\left(-x^4+x^6\right)\right\}$

Out[437]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-2x^4-2x^2y+2x^4y\right)+F^2\left(2x^3-2x^5+xy-2x^3y+2x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

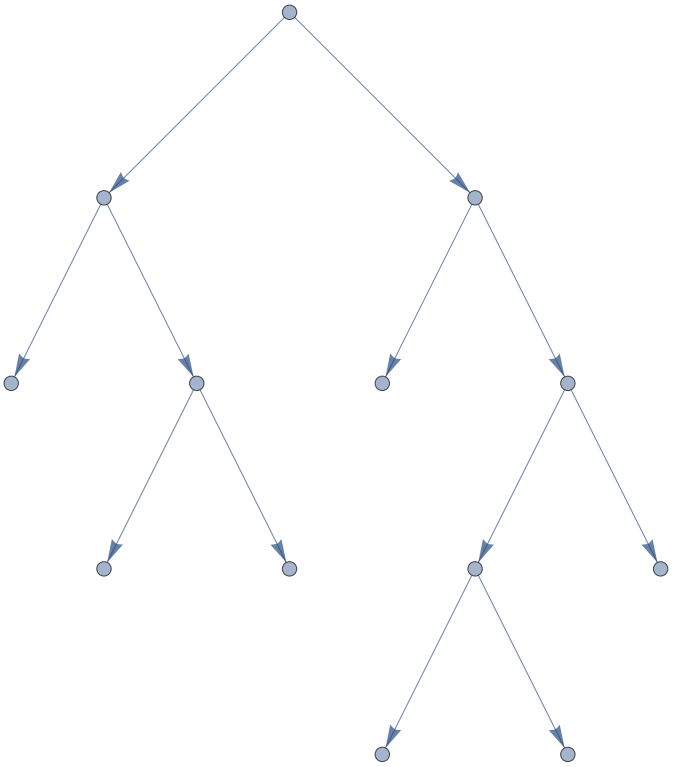
Out[439]=



Out[441]= $\left\{x-x^3+x^5+G^2\left(3x^3-2x^5\right)+G\left(-1+2x^2-4x^4+x^6\right)\right\}$

Out[443]= $\left\{-x+x^3-x^5-x^3y+x^5y+F^2\left(-3x^3+2x^5-xy+3x^3y-2x^5y\right)+F\left(1-2x^2+4x^4-x^6+2x^2y-4x^4y+x^6y\right)\right\}$

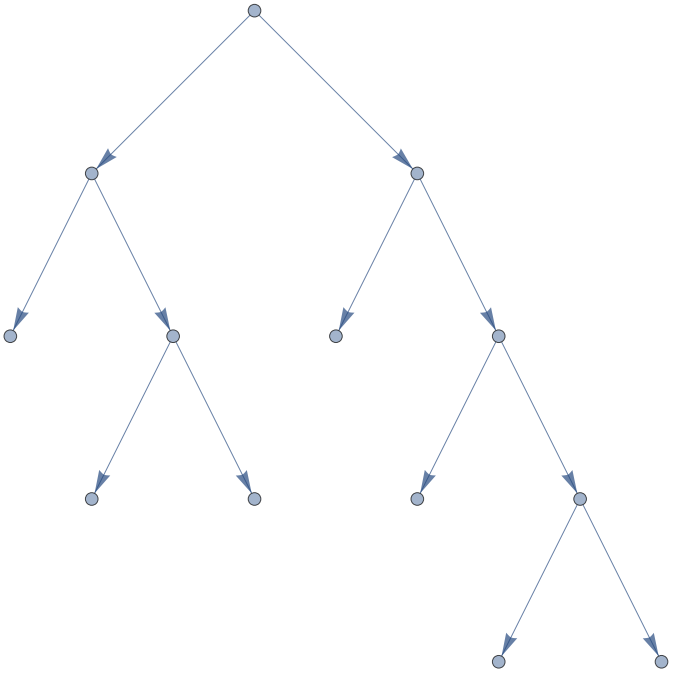
Out[445]=



Out[447]= $\left\{x - x^3 + x^7 + G\left(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8\right) + G^2\left(2x^3 + x^5 - 6x^7 + 3x^9\right) + G^3\left(2x^6 - 3x^8 + x^{10}\right)\right\}$

Out[449]= $\left\{x - x^3 + x^7 + x^3 y - 2x^7 y + x^7 y^2 + F\left(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8 - 2x^2 y + 2x^4 y + 6x^6 y - 6x^8 y - 3x^6 y^2 + 3x^8 y^2\right) + F^2\left(2x^3 + x^5 - 6x^7 + 3x^9 + x y - 2x^3 y - 4x^5 y + 12x^7 y - 6x^9 y + 3x^5 y^2 - 6x^7 y^2 + 3x^9 y^2\right) + F^3\left(2x^6 - 3x^8 + x^{10} + x^4 y - 5x^6 y + 6x^8 y - 2x^{10} y - x^4 y^2 + 3x^6 y^2 - 3x^8 y^2 + x^{10} y^2\right)\right\}$

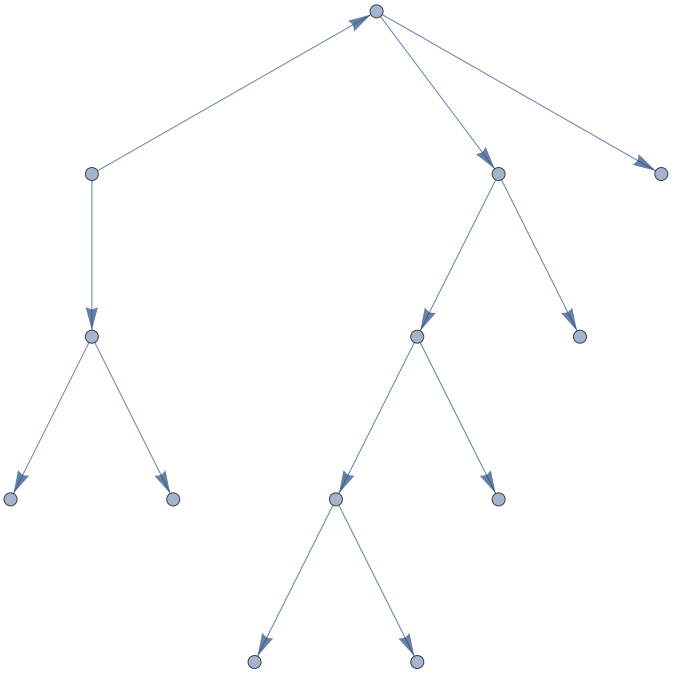
Out[451]=



Out[453]= $\left\{-x + x^3 + G\left(1 - 2x^2 + 2x^4\right) + G^2\left(-2x^3 + 2x^5\right) + G^3\left(-x^4 + x^6\right)\right\}$

Out[455]= $\left\{x - x^3 + x^3\, y + F\left(-1 + 2\,x^2 - 2\,x^4 - 2\,x^2\, y + 2\,x^4\, y\right) + F^2\left(2\,x^3 - 2\,x^5 + x\, y - 2\,x^3\, y + 2\,x^5\, y\right) + F^3\left(x^4 - x^6 - x^4\, y + x^6\, y\right)\right\}$

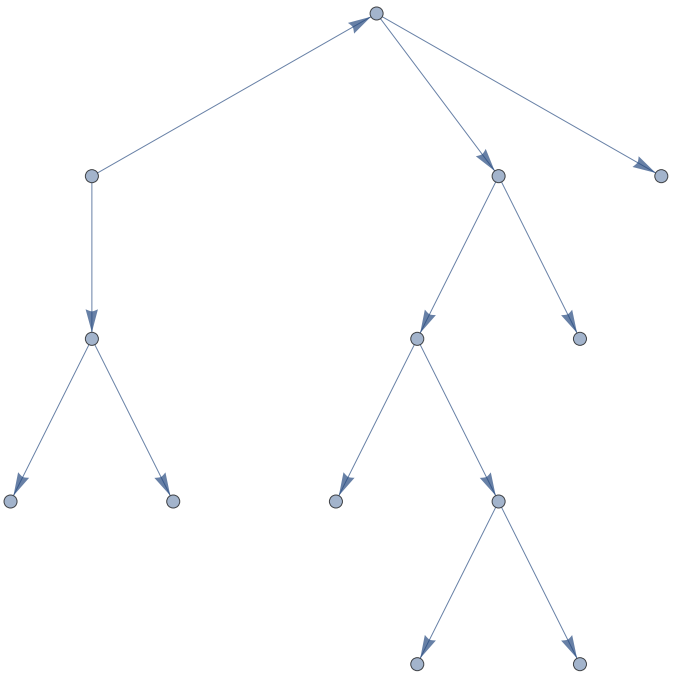
Out[457]=



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

Out[461]= $\left\{x^2 - x^4 + x^4\, y + F\left(-2\,x + 3\,x^3 - 3\,x^5 - 3\,x^3\, y + 3\,x^5\, y\right) + F^2\left(1 - 2\,x^2 + 6\,x^4 - 3\,x^6 + 3\,x^2\, y - 6\,x^4\, y + 3\,x^6\, y\right) + F^3\left(-3\,x^3 + 3\,x^5 - x^7 - x\, y + 3\,x^3\, y - 3\,x^5\, y + x^7\, y\right)\right\}$

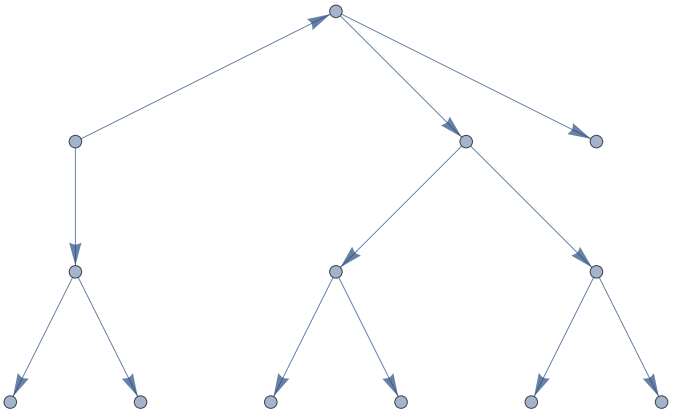
Out[463]=



Out[465]= $\left\{-x^2 + x^4 + G\left(2\,x - 3\,x^3 + 3\,x^5\right) + G^2\left(-1 + 2\,x^2 - 6\,x^4 + 3\,x^6\right) + G^3\left(3\,x^3 - 3\,x^5 + x^7\right)\right\}$

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

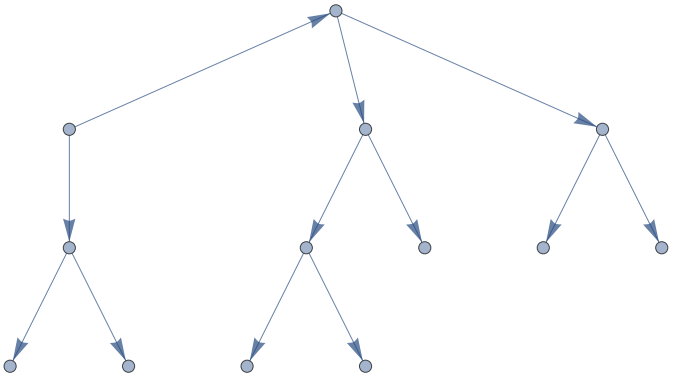
Out[469]=



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

Out[473]= $\left\{-x + x^3 - x^5 - x^3 y + x^5 y + F^2 \left(-3 x^3 + 2 x^5 - x y + 3 x^3 y - 2 x^5 y\right) + F \left(1 - 2 x^2 + 4 x^4 - x^6 + 2 x^2 y - 4 x^4 y + x^6 y\right)\right\}$

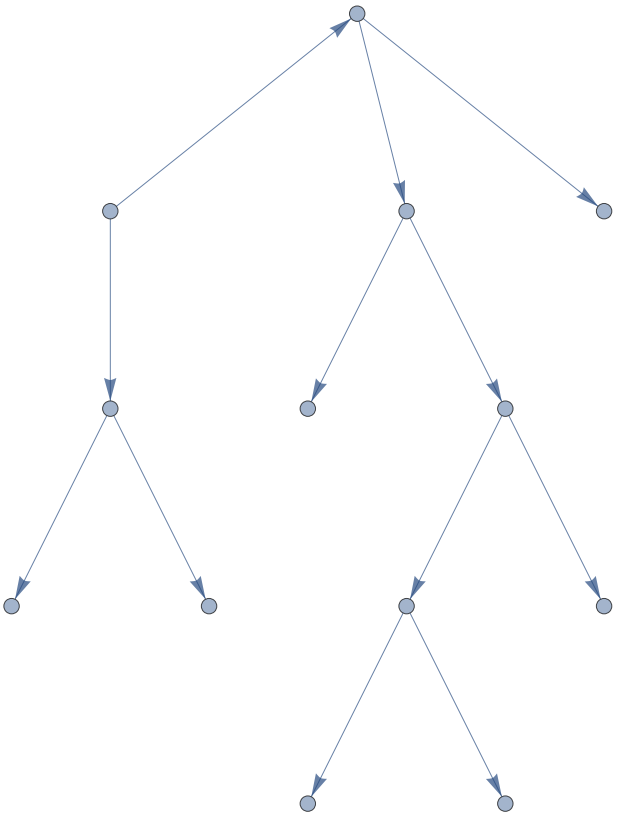
Out[475]=



Out[477]= $\left\{x - x^3 + x^5 + G^2 \left(3 x^3 - 2 x^5\right) + G \left(-1 + 2 x^2 - 4 x^4 + x^6\right)\right\}$

Out[479]= $\left\{-x + x^3 - x^5 - x^3 y + x^5 y + F^2 \left(-3 x^3 + 2 x^5 - x y + 3 x^3 y - 2 x^5 y\right) + F \left(1 - 2 x^2 + 4 x^4 - x^6 + 2 x^2 y - 4 x^4 y + x^6 y\right)\right\}$

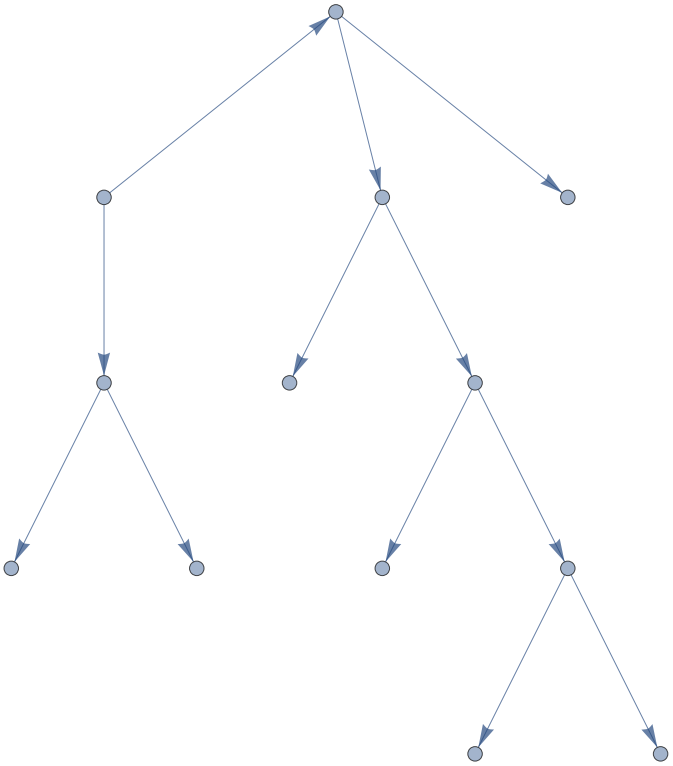
Out[481]=



Out[483]= $\left\{-x+x^3+G\left(1-2x^2+2x^4\right)+G^2\left(-2x^3+2x^5\right)+G^3\left(-x^4+x^6\right)\right\}$

Out[485]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-2x^4-2x^2y+2x^4y\right)+F^2\left(2x^3-2x^5+xy-2x^3y+2x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

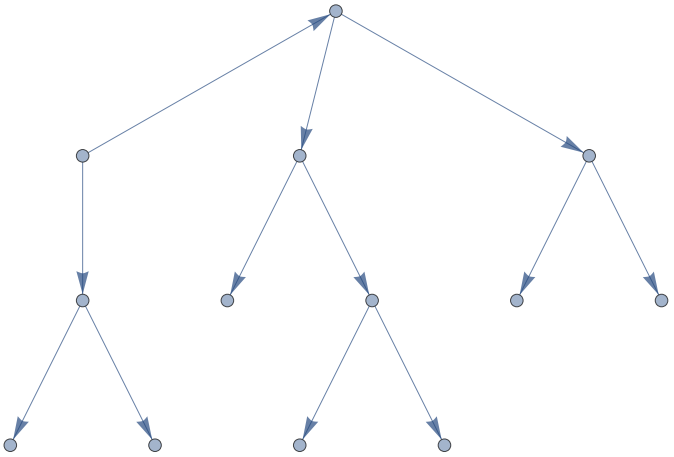
Out[487]=



Out[489]= $\left\{-x+x^3-x^5+G^3x^6+G\left(1-2x^2+4x^4\right)+G^2\left(-3x^3+x^5\right)\right\}$

Out[491]= $\left\{x - x^3 + x^5 + x^3\, y - x^5\, y + F\left(-1 + 2\,x^2 - 4\,x^4 - 2\,x^2\, y + 4\,x^4\, y\right) + F^2\left(3\,x^3 - x^5 + x\, y - 3\,x^3\, y + x^5\, y\right) + F^3\left(-x^6 + x^6\, y\right)\right\}$

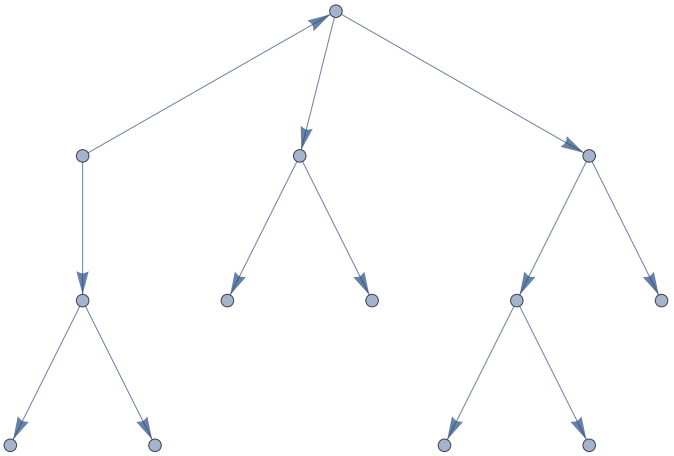
Out[493]=



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

Out[497]= $\left\{-x + x^3 - x^5 - x^3\, y + x^5\, y + F^2\left(-3\,x^3 + 2\,x^5 - x\, y + 3\,x^3\, y - 2\,x^5\, y\right) + F\left(1 - 2\,x^2 + 4\,x^4 - x^6 + 2\,x^2\, y - 4\,x^4\, y + x^6\, y\right)\right\}$

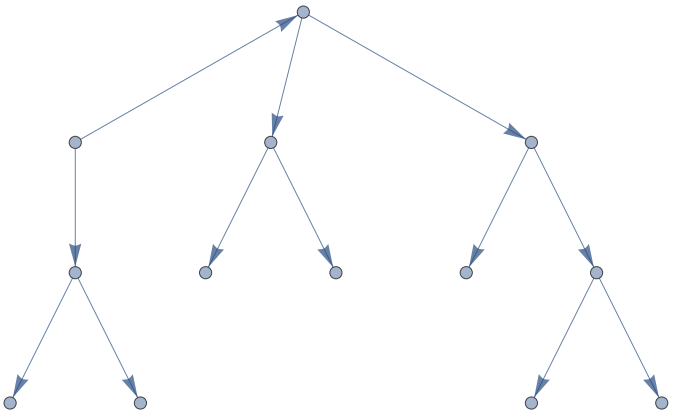
Out[499]=



Out[501]= $\left\{x - x^3 + G^3\,x^4 + x^5 + G^2\left(2\,x^3 - 2\,x^5\right) + G\left(-1 + 2\,x^2 - 3\,x^4 + x^6\right)\right\}$

Out[503]= $\left\{-x + x^3 - x^5 - x^3\, y + x^5\, y + F^3\left(-x^4 + x^4\, y\right) + F^2\left(-2\,x^3 + 2\,x^5 - x\, y + 2\,x^3\, y - 2\,x^5\, y\right) + F\left(1 - 2\,x^2 + 3\,x^4 - x^6 + 2\,x^2\, y - 3\,x^4\, y + x^6\, y\right)\right\}$

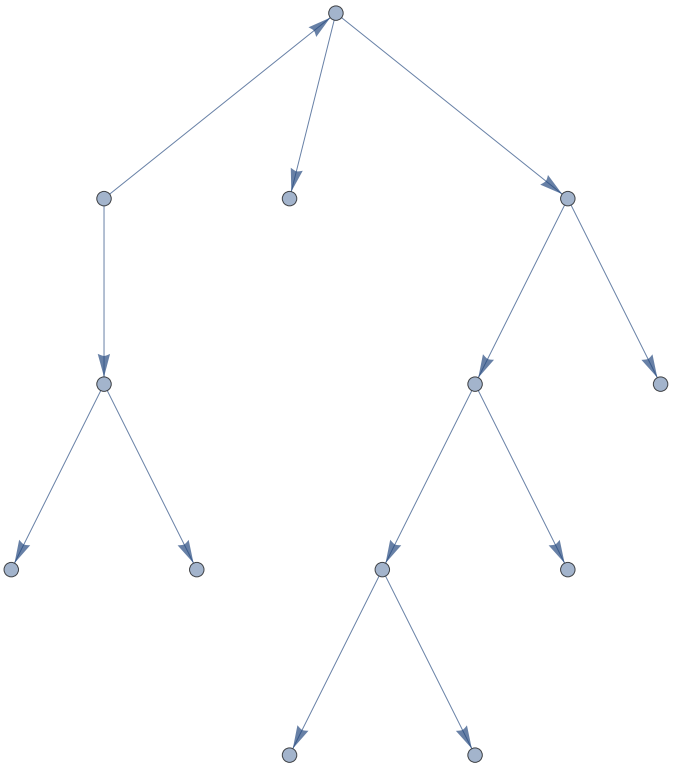
Out[505]=



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

Out[509]= $\left\{-x + x^3 - x^5 - x^3\, y + x^5\, y + F^3\, \left(-x^4 + x^4\, y\right) + F^2\, \left(-2\, x^3 + 2\, x^5 - x\, y + 2\, x^3\, y - 2\, x^5\, y\right) + F\, \left(1 - 2\, x^2 + 3\, x^4 - x^6 + 2\, x^2\, y - 3\, x^4\, y + x^6\, y\right)\right\}$

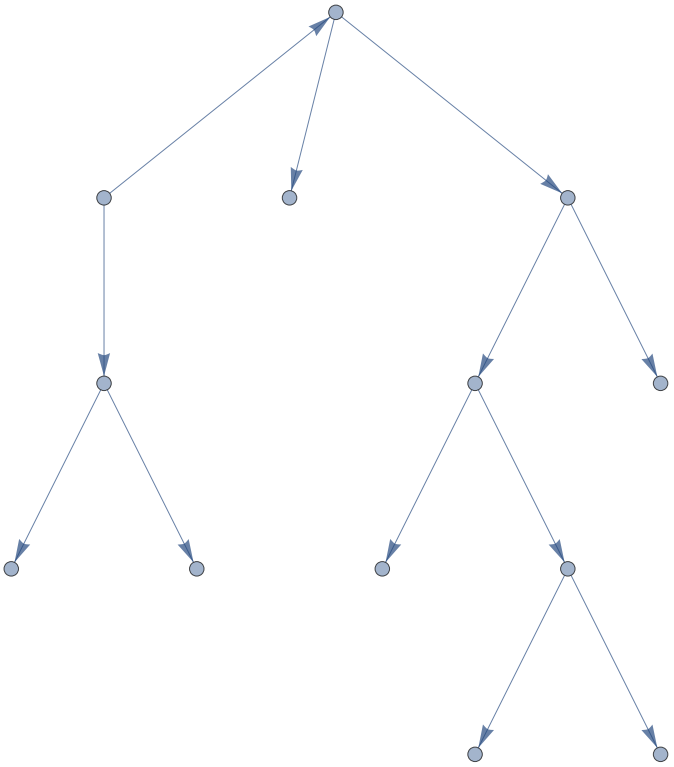
Out[511]=



Out[513]= $\left\{x - x^3 + x^7 + G\, \left(-1 + 2\, x^2 - 2\, x^4 - 3\, x^6 + 3\, x^8\right) + G^2\, \left(2\, x^3 + x^5 - 6\, x^7 + 3\, x^9\right) + G^3\, \left(2\, x^6 - 3\, x^8 + x^{10}\right)\right\}$

Out[515]= $\left\{x - x^3 + x^7 + x^3\, y - 2\, x^7\, y + x^7\, y^2 + F\, \left(-1 + 2\, x^2 - 2\, x^4 - 3\, x^6 + 3\, x^8 - 2\, x^2\, y + 2\, x^4\, y + 6\, x^6\, y - 6\, x^8\, y - 3\, x^6\, y^2 + 3\, x^8\, y^2\right) + F^2\, \left(2\, x^3 + x^5 - 6\, x^7 + 3\, x^9 + x\, y - 2\, x^3\, y - 4\, x^5\, y + 12\, x^7\, y - 6\, x^9\, y + 3\, x^5\, y^2 - 6\, x^7\, y^2 + 3\, x^9\, y^2\right) + F^3\, \left(2\, x^6 - 3\, x^8 + x^{10} + x^4\, y - 5\, x^6\, y + 6\, x^8\, y - 2\, x^{10}\, y - x^4\, y^2 + 3\, x^6\, y^2 - 3\, x^8\, y^2 + x^{10}\, y^2\right)\right\}$

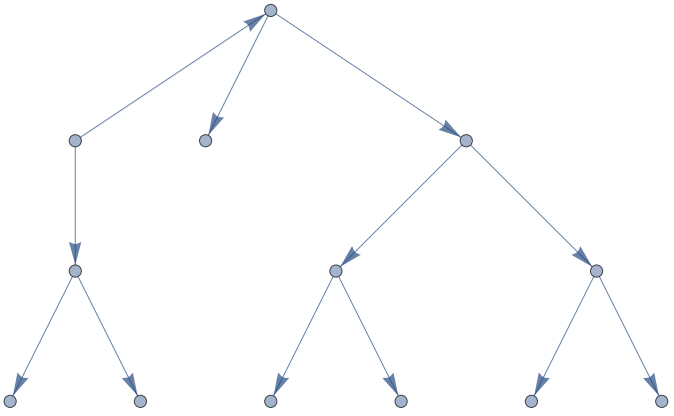
Out[517]=



Out[519]= $\left\{x - x^3 + x^7 + G\left(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8\right) + G^2\left(2x^3 + x^5 - 6x^7 + 3x^9\right) + G^3\left(2x^6 - 3x^8 + x^{10}\right)\right\}$

Out[521]= $\left\{x - x^3 + x^7 + x^3 y - 2x^7 y + x^7 y^2 + F\left(-1 + 2x^2 - 2x^4 - 3x^6 + 3x^8 - 2x^2 y + 2x^4 y + 6x^6 y - 6x^8 y - 3x^6 y^2 + 3x^8 y^2\right) + F^2\left(2x^3 + x^5 - 6x^7 + 3x^9 + x y - 2x^3 y - 4x^5 y + 12x^7 y - 6x^9 y + 3x^5 y^2 - 6x^7 y^2 + 3x^9 y^2\right) + F^3\left(2x^6 - 3x^8 + x^{10} + x^4 y - 5x^6 y + 6x^8 y - 2x^{10} y - x^4 y^2 + 3x^6 y^2 - 3x^8 y^2 + x^{10} y^2\right)\right\}$

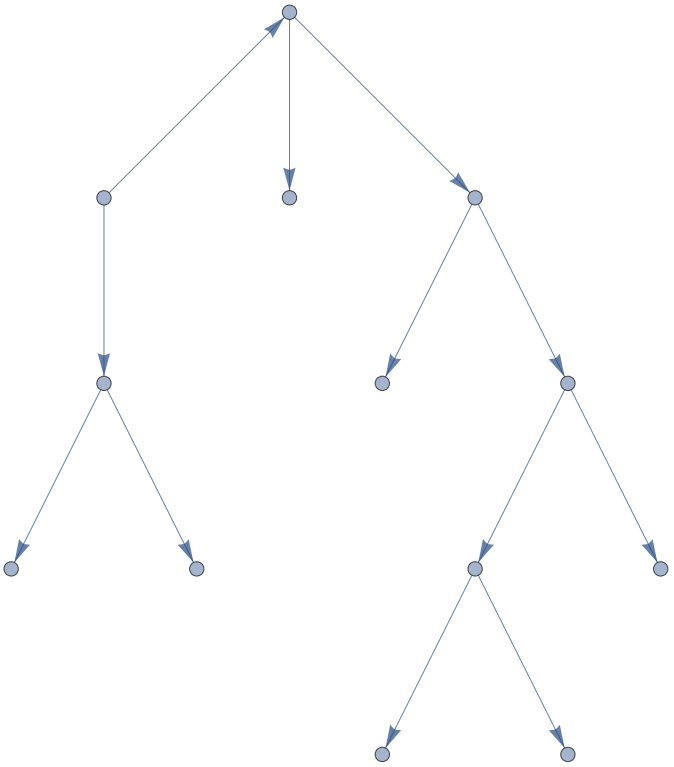
Out[523]=



Out[525]= $\left\{-x + x^3 - x^7 + x^9 + G^3\left(-x^4 - 2x^6\right) + G^2\left(-x^3 + 5x^7\right) + G\left(1 - 2x^2 + x^4 + 2x^6 - 4x^8\right)\right\}$

Out[527]= $\left\{-x + x^3 - x^7 + x^9 - x^3 y + 2x^7 y - 2x^9 y - x^7 y^2 + x^9 y^2 + F^3\left(-x^4 - 2x^6 + 4x^6 y + x^4 y^2 - 2x^6 y^2\right) + F^2\left(-x^3 + 5x^7 - x y + x^3 y + 3x^5 y - 10x^7 y - 3x^5 y^2 + 5x^7 y^2\right) + F\left(1 - 2x^2 + x^4 + 2x^6 - 4x^8 + 2x^2 y - x^4 y - 5x^6 y + 8x^8 y + 3x^6 y^2 - 4x^8 y^2\right)\right\}$

Out[529]=



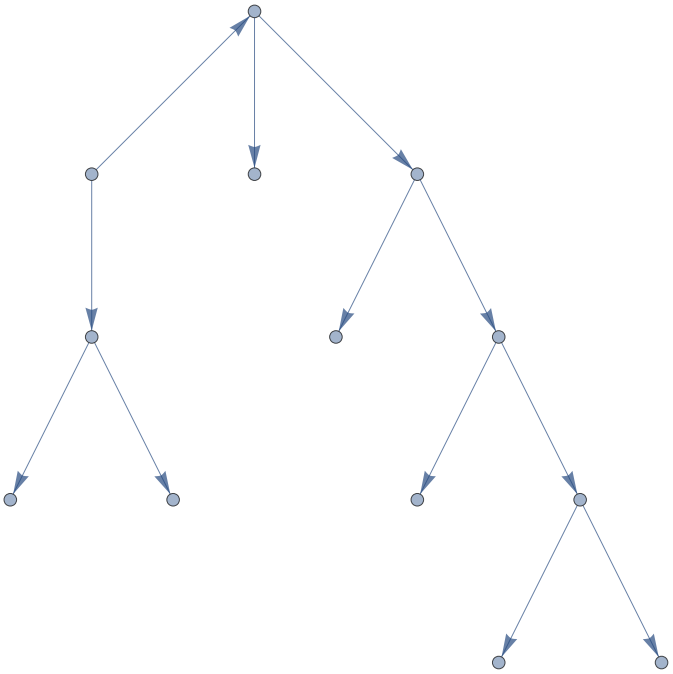
Out[531]=

$$\{-x+x^3-x^5+x^7-x^9+x^{11}+G^5\,x^{12}+x^{15}+G^4\left(x^7+2\,x^{11}-4\,x^{13}\right)+G^3\left(-x^4-5\,x^8-7\,x^{12}+6\,x^{14}\right)+G^2\left(-2\,x^3+3\,x^5-2\,x^7+8\,x^9+9\,x^{13}-4\,x^{15}\right)+G\left(1-2\,x^2+3\,x^4-3\,x^6+3\,x^8-5\,x^{10}-5\,x^{14}+x^{16}\right)\}$$

Out[533]=

$$\begin{aligned}\{&-x+x^3-x^5+x^7-x^9+x^{11}+x^{15}-x^3\,y+x^5\,y-2\,x^7\,y+3\,x^9\,y-3\,x^{11}\,y-\\&4\,x^{15}\,y+x^7\,y^2-3\,x^9\,y^2+3\,x^{11}\,y^2+6\,x^{15}\,y^2+x^9\,y^3-x^{11}\,y^3-4\,x^{15}\,y^3+x^{15}\,y^4+\\&F^5\left(x^{12}+x^{10}\,y-4\,x^{12}\,y-3\,x^{10}\,y^2+6\,x^{12}\,y^2+3\,x^{10}\,y^3-4\,x^{12}\,y^3-x^{10}\,y^4+x^{12}\,y^4\right)+\\&F^4\left(x^7+2\,x^{11}-4\,x^{13}-4\,x^7\,y-11\,x^{11}\,y+16\,x^{13}\,y-x^5\,y^2+5\,x^7\,y^2+21\,x^{11}\,y^2-\right.\\&\left.24\,x^{13}\,y^2+x^5\,y^3-2\,x^7\,y^3-17\,x^{11}\,y^3+16\,x^{13}\,y^3+5\,x^{11}\,y^4-4\,x^{13}\,y^4\right)+\\&F^3\left(-x^4-5\,x^8-7\,x^{12}+6\,x^{14}+2\,x^4\,y-3\,x^6\,y+17\,x^8\,y+31\,x^{12}\,y-24\,x^{14}\,y-x^4\,y^2+7\,x^6\,y^2-\right.\\&\left.19\,x^8\,y^2-51\,x^{12}\,y^2+36\,x^{14}\,y^2-4\,x^6\,y^3+7\,x^8\,y^3+37\,x^{12}\,y^3-24\,x^{14}\,y^3-10\,x^{12}\,y^4+6\,x^{14}\,y^4\right)+\\&F^2\left(-2\,x^3+3\,x^5-2\,x^7+8\,x^9+9\,x^{13}-4\,x^{15}-x\,y+2\,x^3\,y-6\,x^5\,y+10\,x^7\,y-25\,x^9\,y-\right.\\&37\,x^{13}\,y+16\,x^{15}\,y+3\,x^5\,y^2-14\,x^7\,y^2+26\,x^9\,y^2+57\,x^{13}\,y^2-24\,x^{15}\,y^2+\\&\left.6\,x^7\,y^3-9\,x^9\,y^3-39\,x^{13}\,y^3+16\,x^{15}\,y^3+10\,x^{13}\,y^4-4\,x^{15}\,y^4\right)+\\&F\left(1-2\,x^2+3\,x^4-3\,x^6+3\,x^8-5\,x^{10}-5\,x^{14}+x^{16}+2\,x^2\,y-3\,x^4\,y+6\,x^6\,y-10\,x^8\,y+\right.\\&15\,x^{10}\,y+20\,x^{14}\,y-4\,x^{16}\,y-3\,x^6\,y^2+11\,x^8\,y^2-15\,x^{10}\,y^2-30\,x^{14}\,y^2+\\&\left.6\,x^{16}\,y^2-4\,x^8\,y^3+5\,x^{10}\,y^3+20\,x^{14}\,y^3-4\,x^{16}\,y^3-5\,x^{14}\,y^4+x^{16}\,y^4\right)\}\end{aligned}$$

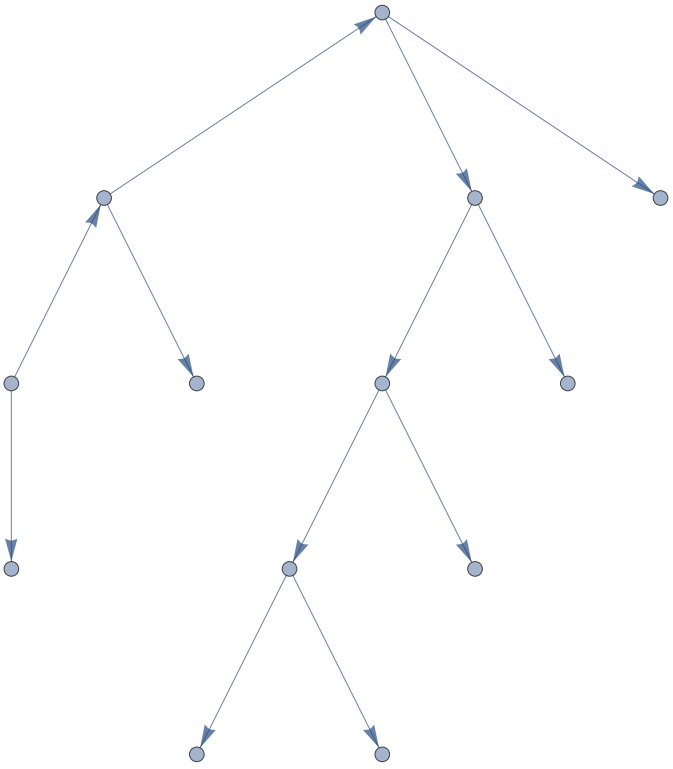
Out[535]=



Out[537]= $\left\{-x+x^3-G^4\,x^5+G\left(1-2\,x^2+x^4\right)+G^2\left(-x^3+x^5\right)+G^3\left(-x^4+x^6\right)\right\}$

Out[539]= $\left\{x-x^3+x^3\,y+F\left(-1+2\,x^2-x^4-2\,x^2\,y+x^4\,y\right)+F^4\left(x^5-x^5\,y\right)+F^2\left(x^3-x^5+x\,y-x^3\,y+x^5\,y\right)+F^3\left(x^4-x^6-x^4\,y+x^6\,y\right)\right\}$

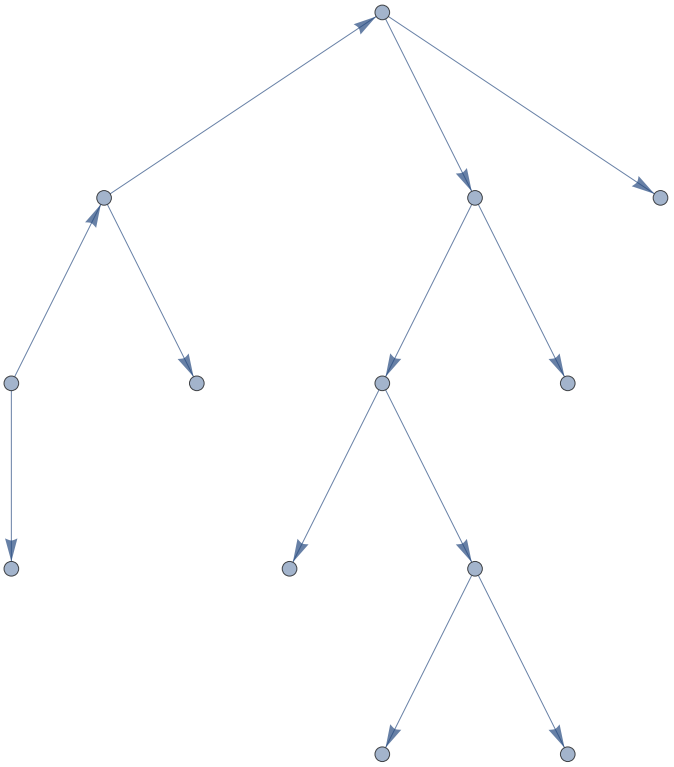
Out[541]=



Out[543]= $\left\{10\,G^2\,x^4-5\,G\,x^5+x^6+G^4\left(-1+5\,x^2\right)+G^3\left(x-10\,x^3\right)\right\}$

Out[545]= $\left\{-x^6-F^5\,x\,y+x^6\,y+F^4\left(1-5\,x^2+5\,x^2\,y\right)+F^3\left(-x+10\,x^3-10\,x^3\,y\right)+F^2\left(-10\,x^4+10\,x^4\,y\right)+F\left(5\,x^5-5\,x^5\,y\right)\right\}$

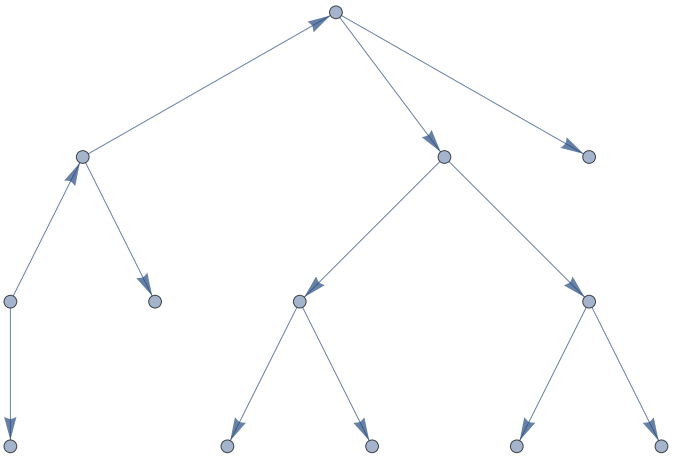
Out[547]=



Out[549]= $\left\{-G^4 x^3+x^5+G^3 \left(1-4 x^2+3 x^4\right)+G^2 \left(-x+6 x^3-3 x^5\right)+G \left(-4 x^4+x^6\right)\right\}$

Out[551]= $\left\{-x^5+x^5 y+F^4 \left(x^3+x y-x^3 y\right)+F^3 \left(-1+4 x^2-3 x^4-4 x^2 y+3 x^4 y\right)+\right.$
$\left. F^2 \left(x-6 x^3+3 x^5+6 x^3 y-3 x^5 y\right)+F \left(4 x^4-x^6-4 x^4 y+x^6 y\right)\right\}$

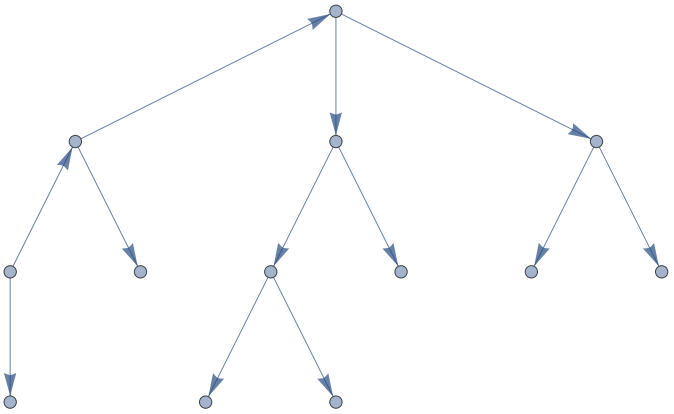
Out[553]=



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

Out[557]= $\left\{-x^5+x^5 y+F^4 \left(x^3+x y-x^3 y\right)+F^3 \left(-1+4 x^2-3 x^4-4 x^2 y+3 x^4 y\right)+\right.$
$\left. F^2 \left(x-6 x^3+3 x^5+6 x^3 y-3 x^5 y\right)+F \left(4 x^4-x^6-4 x^4 y+x^6 y\right)\right\}$

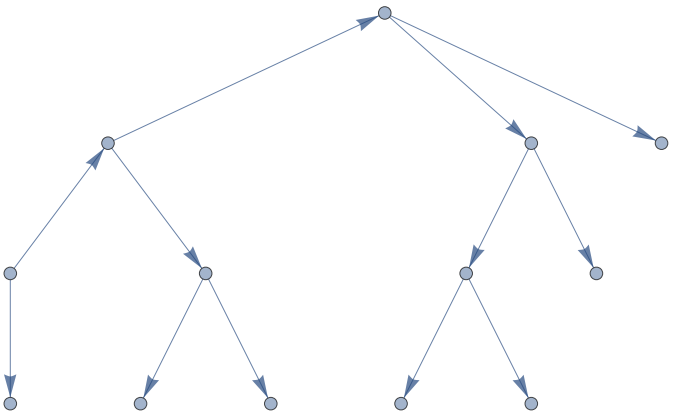
Out[559]=



Out[561]= $\left\{-G^4 x^3+x^5+G^3 \left(1-4 x^2+3 x^4\right)+G^2 \left(-x+6 x^3-3 x^5\right)+G \left(-4 x^4+x^6\right)\right\}$

Out[563]= $\left\{-x^5+x^5 y+F^4 \left(x^3+x y-x^3 y\right)+F^3 \left(-1+4 x^2-3 x^4-4 x^2 y+3 x^4 y\right)+\right.$
$\left.F^2 \left(x-6 x^3+3 x^5+6 x^3 y-3 x^5 y\right)+F \left(4 x^4-x^6-4 x^4 y+x^6 y\right)\right\}$

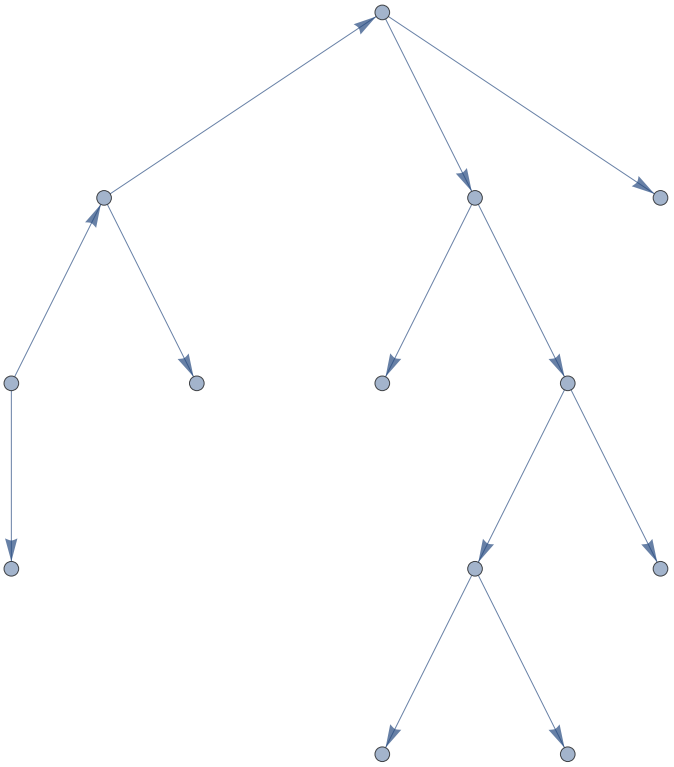
Out[565]=



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

Out[569]= $\left\{-x^5+x^5 y+F^4 \left(x^3+x y-x^3 y\right)+F^3 \left(-1+4 x^2-3 x^4-4 x^2 y+3 x^4 y\right)+\right.$
$\left.F^2 \left(x-6 x^3+3 x^5+6 x^3 y-3 x^5 y\right)+F \left(4 x^4-x^6-4 x^4 y+x^6 y\right)\right\}$

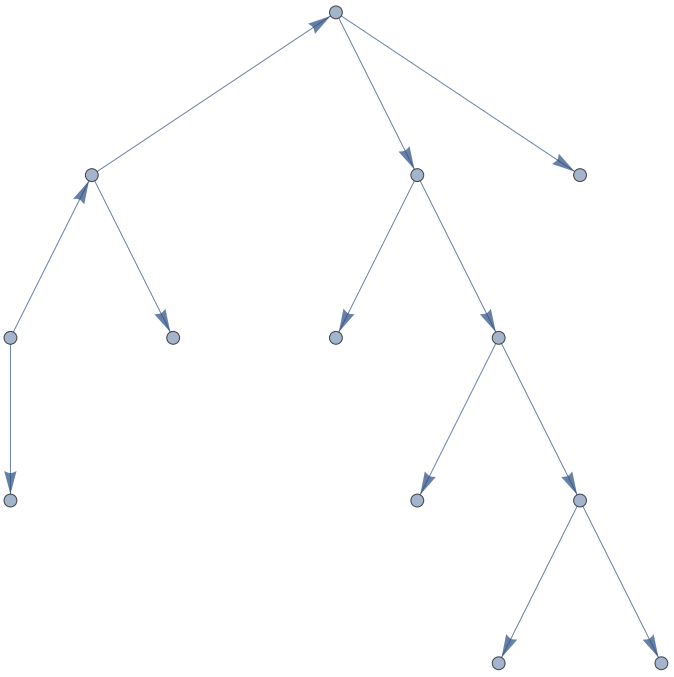
Out[571]=



Out[573]= $\left\{-2\,G^3\,x^3-x^4+x^6+G^2\,\left(1-3\,x^2+5\,x^4\right)+G\,\left(-x+3\,x^3-4\,x^5\right)\right\}$

Out[575]= $\left\{x^4-x^6-x^4\,y+x^6\,y+F^3\,\left(2\,x^3+x\,y-2\,x^3\,y\right)+\right.$
$\left.F^2\,\left(-1+3\,x^2-5\,x^4-3\,x^2\,y+5\,x^4\,y\right)+F\,\left(x-3\,x^3+4\,x^5+3\,x^3\,y-4\,x^5\,y\right)\right\}$

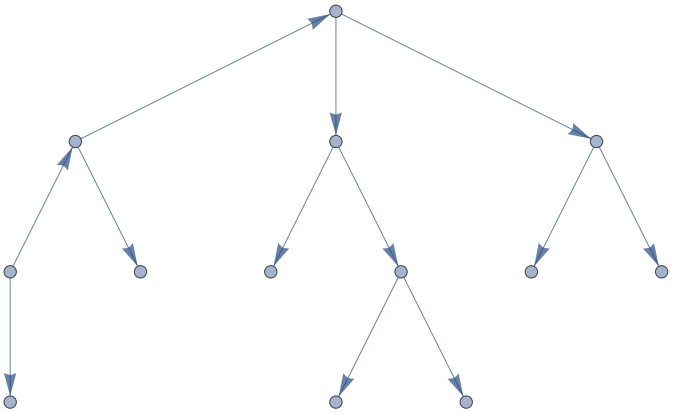
Out[577]=



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

Out[581]= $\left\{-x^4+x^4\,y+F^3\,\left(-2\,x^3+x^5-x\,y+2\,x^3\,y-x^5\,y\right)+\right.$
$\left.F\,\left(-x+3\,x^3-2\,x^5-3\,x^3\,y+2\,x^5\,y\right)+F^2\,\left(1-3\,x^2+4\,x^4-x^6+3\,x^2\,y-4\,x^4\,y+x^6\,y\right)\right\}$

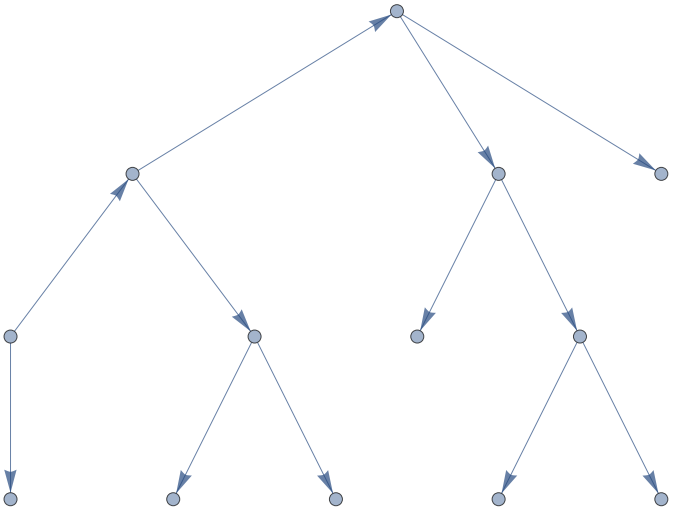
Out[583]=



Out[585]= $\left\{x^4+G^3\left(2x^3-x^5\right)+G\left(x-3x^3+2x^5\right)+G^2\left(-1+3x^2-4x^4+x^6\right)\right\}$

Out[587]= $\left\{-x^4+x^4y+F^3\left(-2x^3+x^5-xy+2x^3y-x^5y\right)+F\left(-x+3x^3-2x^5-3x^3y+2x^5y\right)+F^2\left(1-3x^2+4x^4-x^6+3x^2y-4x^4y+x^6y\right)\right\}$

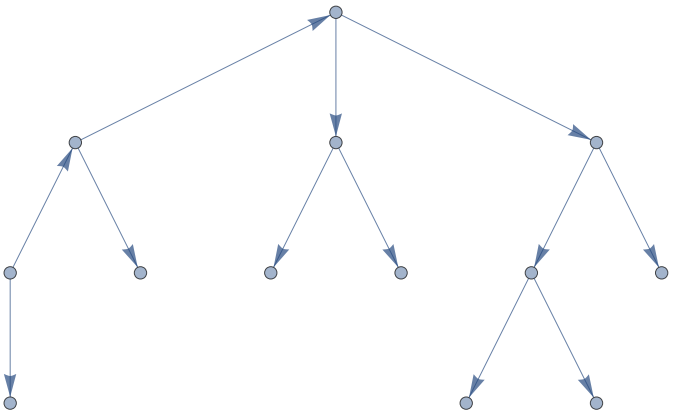
Out[589]=



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

Out[593]= $\left\{-x^4+x^4y+F^3\left(-2x^3+x^5-xy+2x^3y-x^5y\right)+F\left(-x+3x^3-2x^5-3x^3y+2x^5y\right)+F^2\left(1-3x^2+4x^4-x^6+3x^2y-4x^4y+x^6y\right)\right\}$

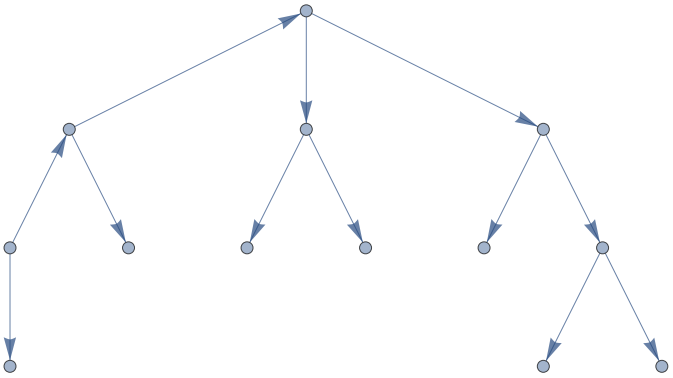
Out[595]=



Out[597]= $\left\{-2G^3x^3-x^4+x^6+G^2\left(1-3x^2+5x^4\right)+G\left(-x+3x^3-4x^5\right)\right\}$

Out[599]= $\left\{x^4 - x^6 - x^4\,y + x^6\,y + F^3\left(2\,x^3 + x\,y - 2\,x^3\,y\right) + F^2\left(-1 + 3\,x^2 - 5\,x^4 - 3\,x^2\,y + 5\,x^4\,y\right) + F\left(x - 3\,x^3 + 4\,x^5 + 3\,x^3\,y - 4\,x^5\,y\right)\right\}$

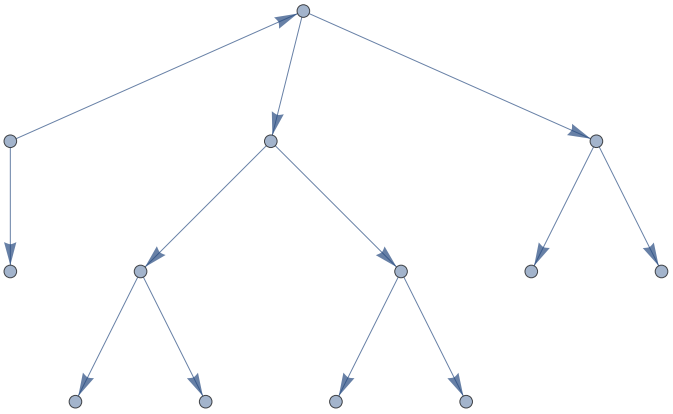
Out[601]=



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

Out[605]= $\left\{-x^4 + x^4\,y + F^3\left(-2\,x^3 + x^5 - x\,y + 2\,x^3\,y - x^5\,y\right) + F\left(-x + 3\,x^3 - 2\,x^5 - 3\,x^3\,y + 2\,x^5\,y\right) + F^2\left(1 - 3\,x^2 + 4\,x^4 - x^6 + 3\,x^2\,y - 4\,x^4\,y + x^6\,y\right)\right\}$

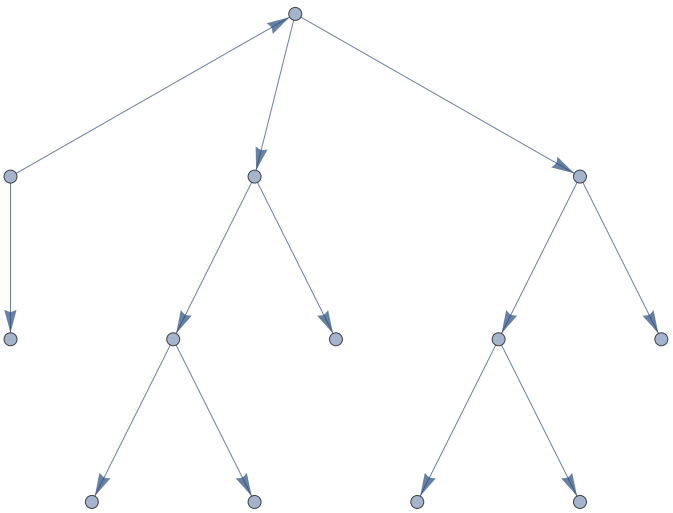
Out[607]=



Out[609]= $\left\{x^4 + G^3\left(2\,x^3 - x^5\right) + G\left(x - 3\,x^3 + 2\,x^5\right) + G^2\left(-1 + 3\,x^2 - 4\,x^4 + x^6\right)\right\}$

Out[611]= $\left\{-x^4 + x^4\,y + F^3\left(-2\,x^3 + x^5 - x\,y + 2\,x^3\,y - x^5\,y\right) + F\left(-x + 3\,x^3 - 2\,x^5 - 3\,x^3\,y + 2\,x^5\,y\right) + F^2\left(1 - 3\,x^2 + 4\,x^4 - x^6 + 3\,x^2\,y - 4\,x^4\,y + x^6\,y\right)\right\}$

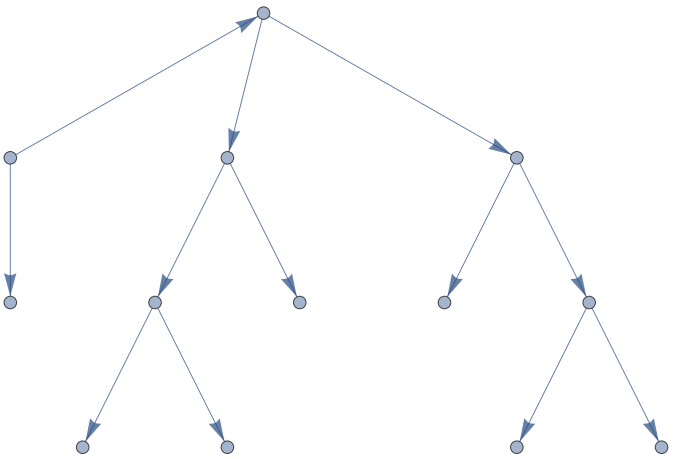
Out[613]=



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

Out[617]= $\left\{x^4 - x^6 - x^4\,y + x^6\,y + F^3\left(2\,x^3 + x\,y - 2\,x^3\,y\right) + F^2\left(-1 + 3\,x^2 - 5\,x^4 - 3\,x^2\,y + 5\,x^4\,y\right) + F\left(x - 3\,x^3 + 4\,x^5 + 3\,x^3\,y - 4\,x^5\,y\right)\right\}$

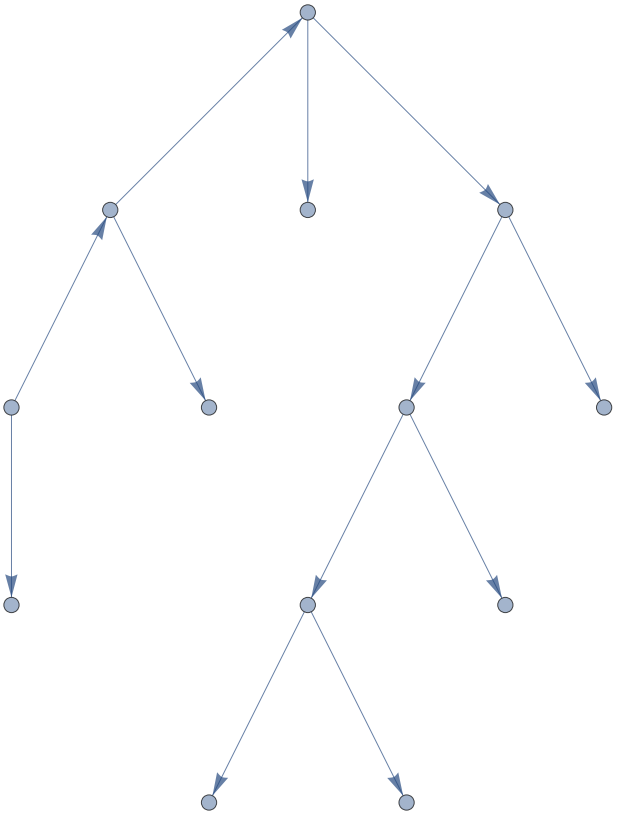
Out[619]=



Out[621]= $\left\{x^4 + G^4\,x^4 + G^3\left(x^3 - 2\,x^5\right) + G\left(x - 3\,x^3 + x^5\right) + G^2\left(-1 + 3\,x^2 - 2\,x^4 + x^6\right)\right\}$

Out[623]= $\left\{-x^4 + x^4\,y + F^4\left(-x^4 + x^4\,y\right) + F^3\left(-x^3 + 2\,x^5 - x\,y + x^3\,y - 2\,x^5\,y\right) + F\left(-x + 3\,x^3 - x^5 - 3\,x^3\,y + x^5\,y\right) + F^2\left(1 - 3\,x^2 + 2\,x^4 - x^6 + 3\,x^2\,y - 2\,x^4\,y + x^6\,y\right)\right\}$

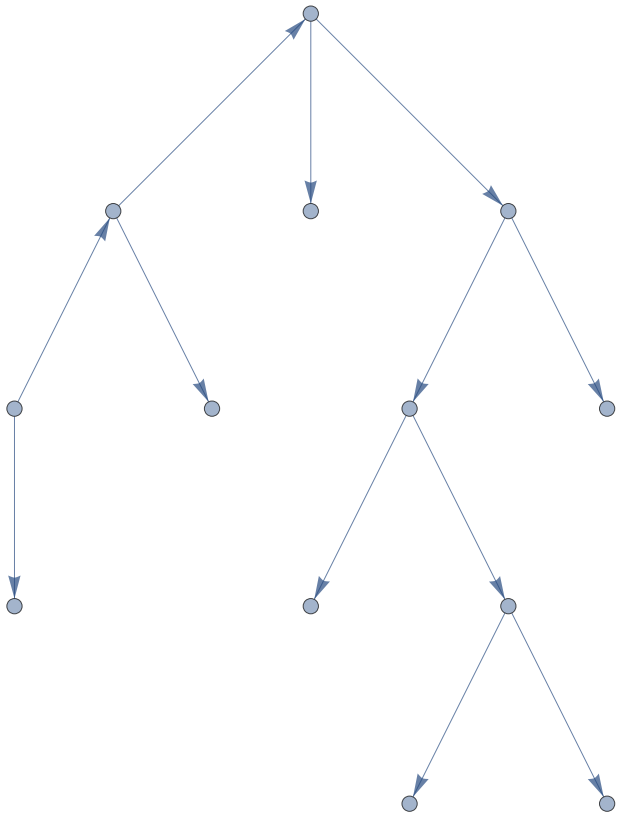
Out[625]=



Out[627]= $\left\{-2\,G^3\,x^3 - x^4 + x^6 + G^2\left(1 - 3\,x^2 + 5\,x^4\right) + G\left(-x + 3\,x^3 - 4\,x^5\right)\right\}$

Out[629]= $\left\{x^4 - x^6 - x^4\,y + x^6\,y + F^3\left(2\,x^3 + x\,y - 2\,x^3\,y\right) + F^2\left(-1 + 3\,x^2 - 5\,x^4 - 3\,x^2\,y + 5\,x^4\,y\right) + F\left(x - 3\,x^3 + 4\,x^5 + 3\,x^3\,y - 4\,x^5\,y\right)\right\}$

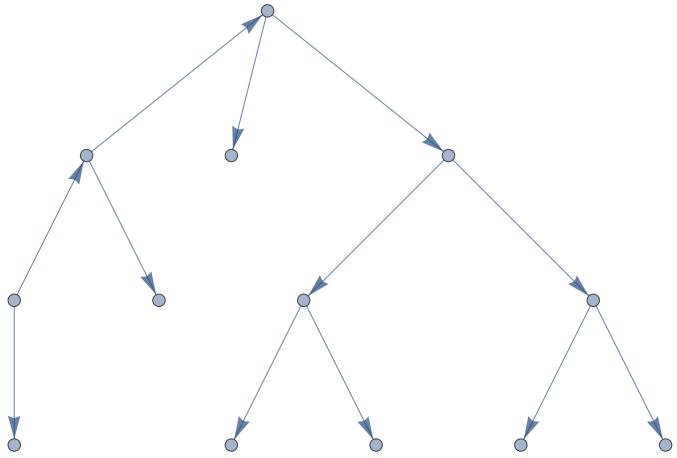
Out[631]=



Out[633]= $\left\{x - x^3 + G^3\, x^4 + x^5 + G^2\, \left(2\, x^3 - 2\, x^5\right) + G\, \left(-1 + 2\, x^2 - 3\, x^4 + x^6\right)\right\}$

Out[635]= $\left\{-x + x^3 - x^5 - x^3\, y + x^5\, y + F^3\, \left(-x^4 + x^4\, y\right) + F^2\, \left(-2\, x^3 + 2\, x^5 - x\, y + 2\, x^3\, y - 2\, x^5\, y\right) + F\, \left(1 - 2\, x^2 + 3\, x^4 - x^6 + 2\, x^2\, y - 3\, x^4\, y + x^6\, y\right)\right\}$

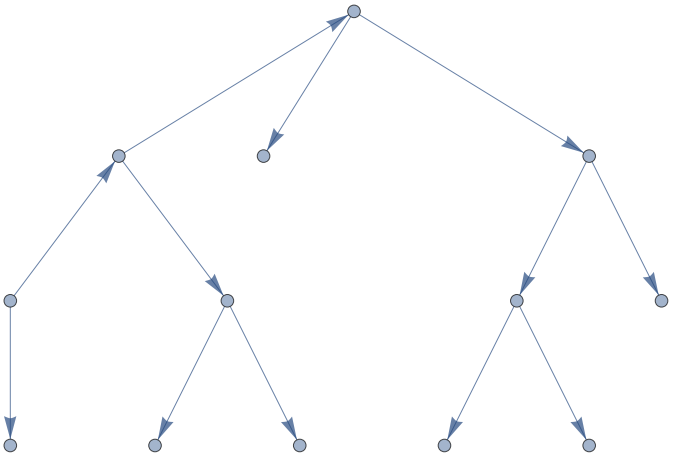
Out[637]=



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

Out[641]= $\left\{-x + x^3 - x^5 - x^3\, y + x^5\, y + F^2\, \left(-3\, x^3 + 2\, x^5 - x\, y + 3\, x^3\, y - 2\, x^5\, y\right) + F\, \left(1 - 2\, x^2 + 4\, x^4 - x^6 + 2\, x^2\, y - 4\, x^4\, y + x^6\, y\right)\right\}$

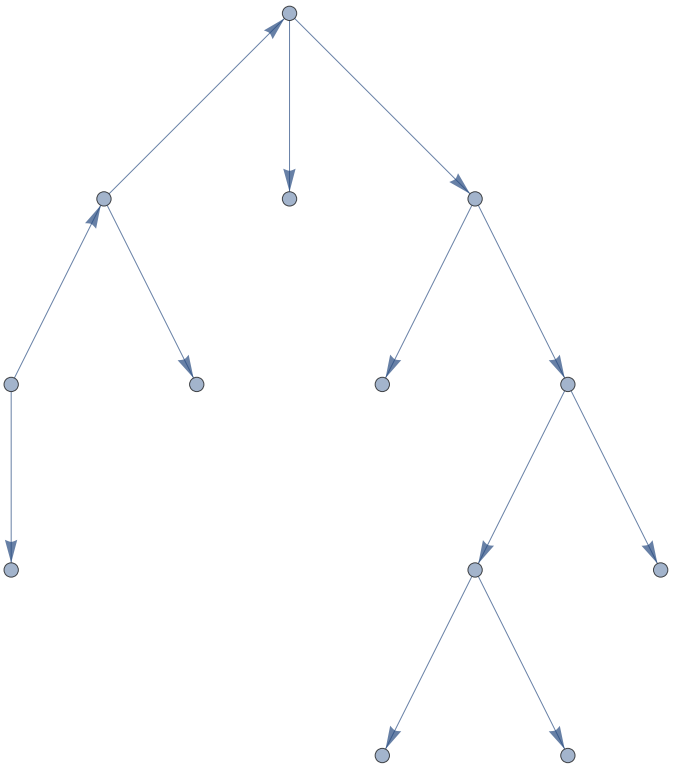
Out[643]=



Out[645]= $\left\{x - x^3 + x^5 + G^2 \left(3 x^3 - 2 x^5\right) + G \left(-1 + 2 x^2 - 4 x^4 + x^6\right)\right\}$

Out[647]= $\left\{-x + x^3 - x^5 - x^3 y + x^5 y + F^2 \left(-3 x^3 + 2 x^5 - x y + 3 x^3 y - 2 x^5 y\right) + F \left(1 - 2 x^2 + 4 x^4 - x^6 + 2 x^2 y - 4 x^4 y + x^6 y\right)\right\}$

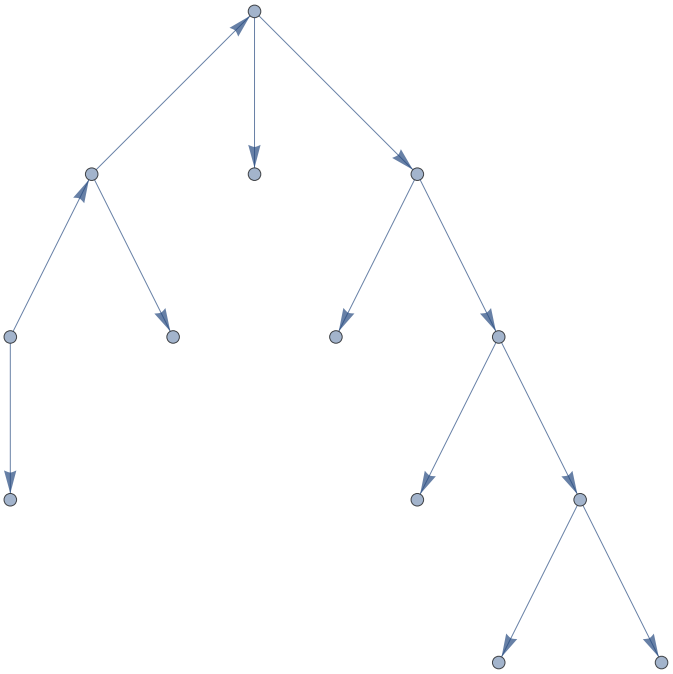
Out[649]=



Out[651]= $\left\{x - x^3 + x^5 + G^2 \left(3 x^3 - 2 x^5\right) + G \left(-1 + 2 x^2 - 4 x^4 + x^6\right)\right\}$

Out[653]= $\left\{-x + x^3 - x^5 - x^3 y + x^5 y + F^2 \left(-3 x^3 + 2 x^5 - x y + 3 x^3 y - 2 x^5 y\right) + F \left(1 - 2 x^2 + 4 x^4 - x^6 + 2 x^2 y - 4 x^4 y + x^6 y\right)\right\}$

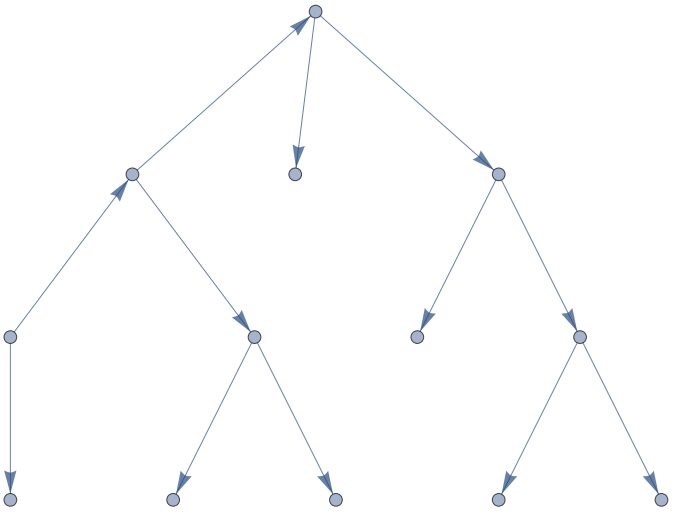
Out[655]=



Out[657]= $\left\{-x^2+x^4+G\left(2x-3x^3+3x^5\right)+G^2\left(-1+2x^2-6x^4+3x^6\right)+G^3\left(3x^3-3x^5+x^7\right)\right\}$

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

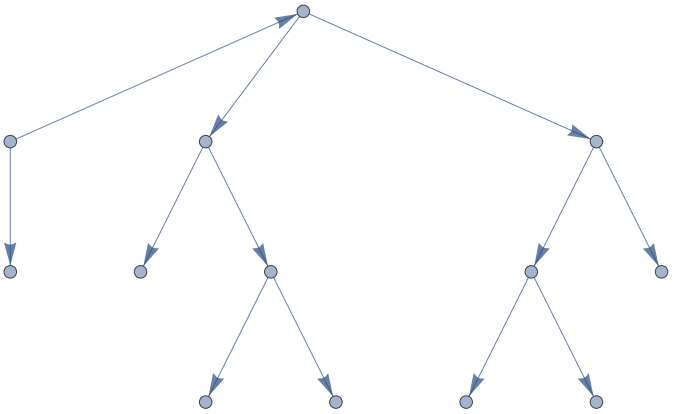
Out[661]=



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

Out[665]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-2x^4-2x^2y+2x^4y\right)+F^2\left(2x^3-2x^5+xy-2x^3y+2x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

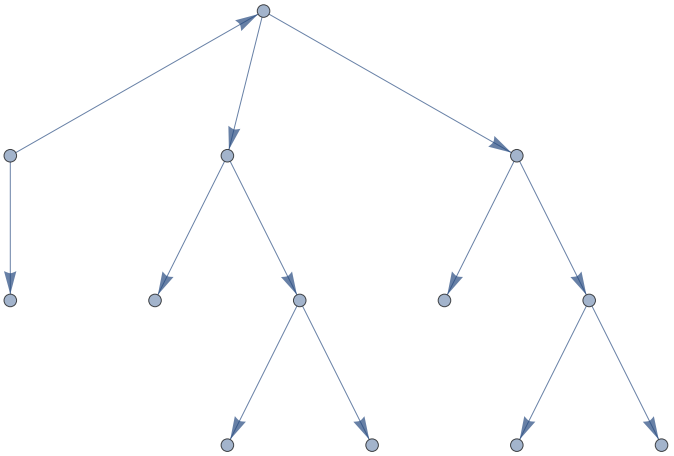
Out[667]=



Out[669]= $\left\{x - x^3 + x^5 + G^2 \left(3 x^3 - 2 x^5\right) + G \left(-1 + 2 x^2 - 4 x^4 + x^6\right)\right\}$

Out[671]= $\left\{-x + x^3 - x^5 - x^3 y + x^5 y + F^2 \left(-3 x^3 + 2 x^5 - x y + 3 x^3 y - 2 x^5 y\right) + F \left(1 - 2 x^2 + 4 x^4 - x^6 + 2 x^2 y - 4 x^4 y + x^6 y\right)\right\}$

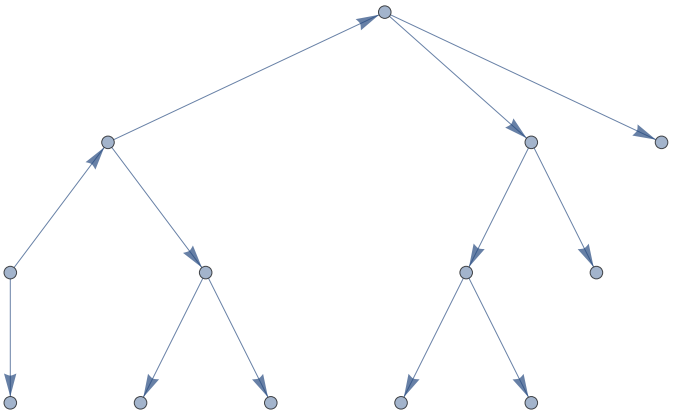
Out[673]=



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

Out[677]= $\left\{x - x^3 + x^3 y + F \left(-1 + 2 x^2 - 2 x^4 - 2 x^2 y + 2 x^4 y\right) + F^2 \left(2 x^3 - 2 x^5 + x y - 2 x^3 y + 2 x^5 y\right) + F^3 \left(x^4 - x^6 - x^4 y + x^6 y\right)\right\}$

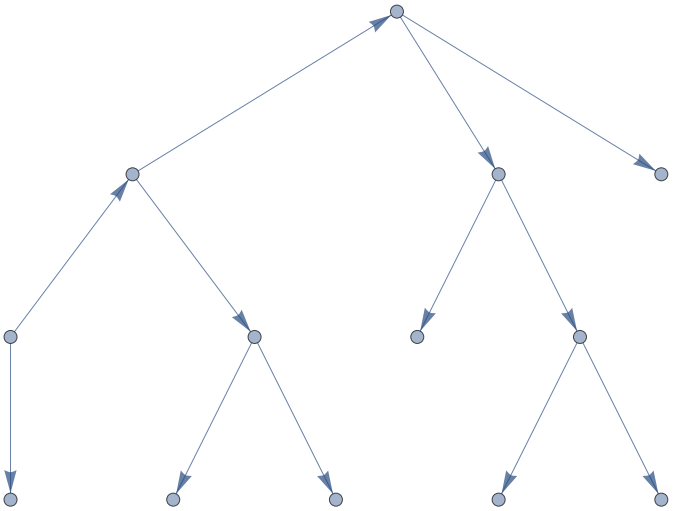
Out[679]=



Out[681]= $\left\{-2 G^3 x^3 - x^4 + x^6 + G^2 \left(1 - 3 x^2 + 5 x^4\right) + G \left(-x + 3 x^3 - 4 x^5\right)\right\}$

Out[683]= $\left\{x^4 - x^6 - x^4 y + x^6 y + F^3 \left(2 x^3 + x y - 2 x^3 y\right) + F^2 \left(-1 + 3 x^2 - 5 x^4 - 3 x^2 y + 5 x^4 y\right) + F \left(x - 3 x^3 + 4 x^5 + 3 x^3 y - 4 x^5 y\right)\right\}$

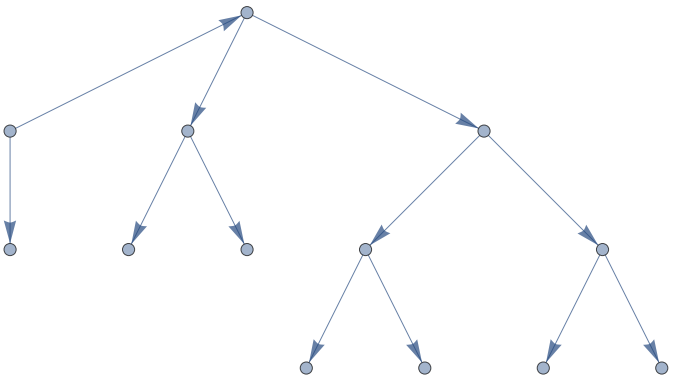
Out[685]=



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

Out[689]= $\left\{-x + x^3 - x^5 - x^3 y + x^5 y + F^2 \left(-3 x^3 + 2 x^5 - x y + 3 x^3 y - 2 x^5 y\right) + F \left(1 - 2 x^2 + 4 x^4 - x^6 + 2 x^2 y - 4 x^4 y + x^6 y\right)\right\}$

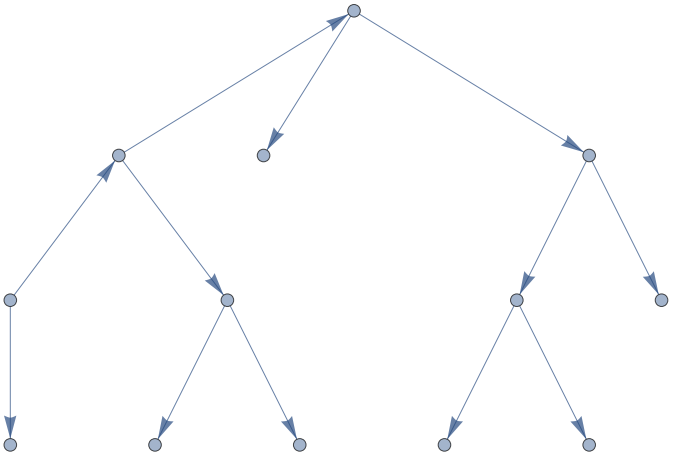
Out[691]=



Out[693]= $\left\{x - x^3 + G^3 x^4 + x^5 + G^2 \left(2 x^3 - 2 x^5\right) + G \left(-1 + 2 x^2 - 3 x^4 + x^6\right)\right\}$

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

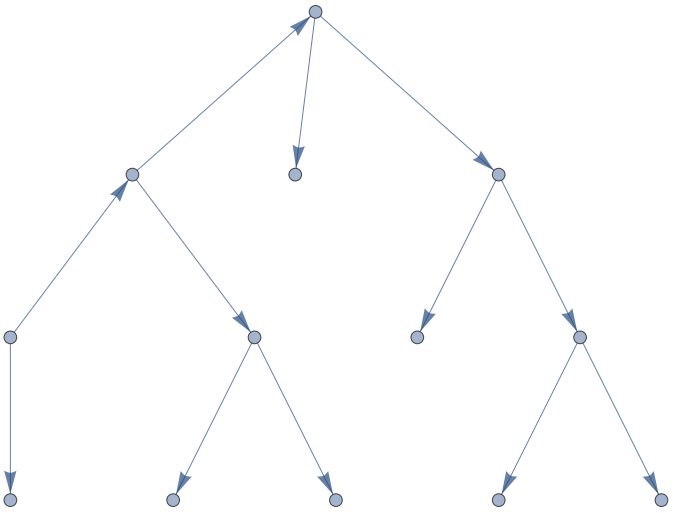
Out[697]=



Out[699]= $\left\{-x + x^3 - x^7 + x^9 + G^3 \left(-x^4 - 2 x^6\right) + G^2 \left(-x^3 + 5 x^7\right) + G \left(1 - 2 x^2 + x^4 + 2 x^6 - 4 x^8\right)\right\}$

Out[701]= $\left\{-x+x^3-x^7+x^9-x^3\,y+2\,x^7\,y-2\,x^9\,y-x^7\,y^2+x^9\,y^2+F^3\,\left(-x^4-2\,x^6+4\,x^6\,y+x^4\,y^2-2\,x^6\,y^2\right)+\right.$
$\left.F^2\,\left(-x^3+5\,x^7-x\,y+x^3\,y+3\,x^5\,y-10\,x^7\,y-3\,x^5\,y^2+5\,x^7\,y^2\right)+\right.$
$\left.F\,\left(1-2\,x^2+x^4+2\,x^6-4\,x^8+2\,x^2\,y-x^4\,y-5\,x^6\,y+8\,x^8\,y+3\,x^6\,y^2-4\,x^8\,y^2\right)\right\}$

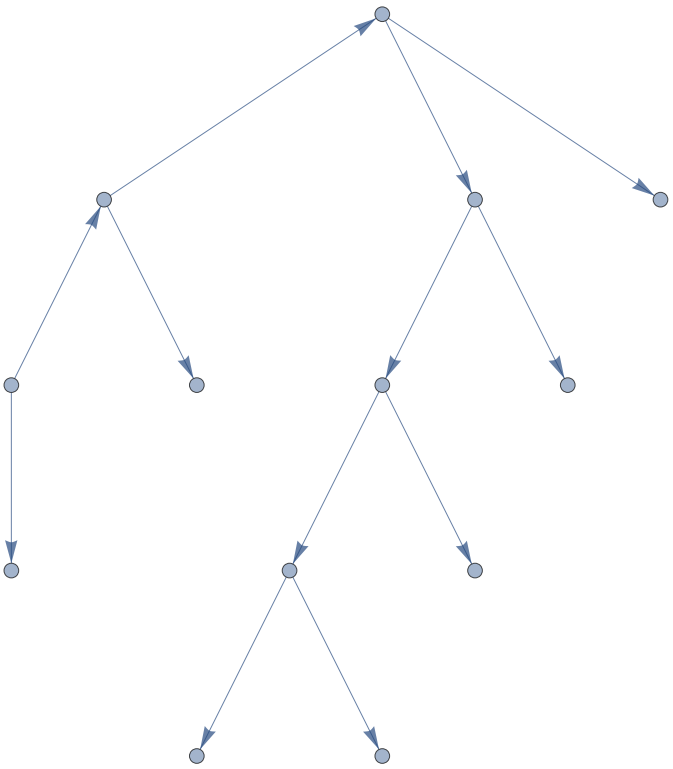
Out[703]=



Out[705]= $\left\{-x+x^3-G^4\,x^5+G\,\left(1-2\,x^2+x^4\right)+G^2\,\left(-x^3+x^5\right)+G^3\,\left(-x^4+x^6\right)\right\}$

Out[707]= $\left\{x-x^3+x^3\,y+F\,\left(-1+2\,x^2-x^4-2\,x^2\,y+x^4\,y\right)+\right.$
$\left.F^4\,\left(x^5-x^5\,y\right)+F^2\,\left(x^3-x^5+x\,y-x^3\,y+x^5\,y\right)+F^3\,\left(x^4-x^6-x^4\,y+x^6\,y\right)\right\}$

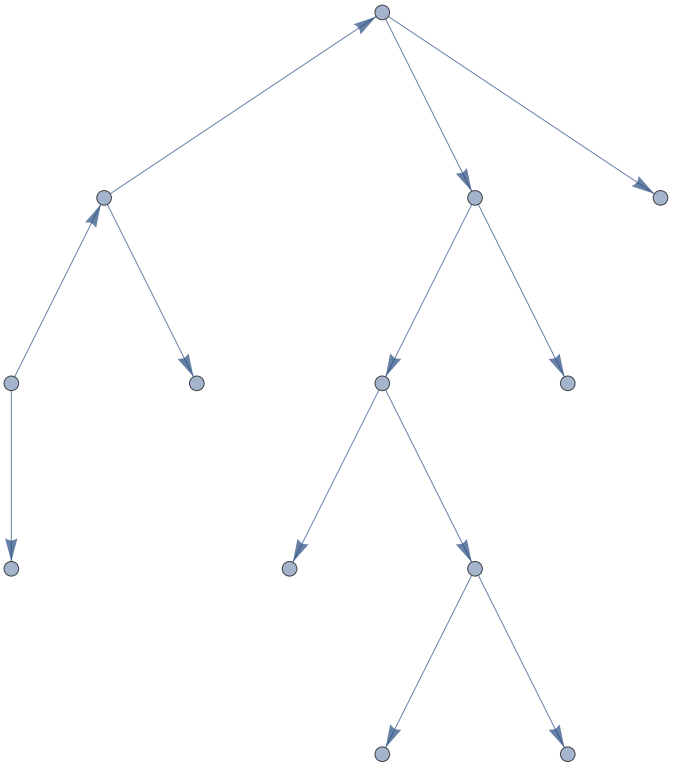
Out[709]=



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

Out[713]= $\left\{-x^5+x^5\,y+F^4\,\left(x^3+x\,y-x^3\,y\right)+F^3\,\left(-1+4\,x^2-3\,x^4-4\,x^2\,y+3\,x^4\,y\right)+\right.$
$\left.F^2\,\left(x-6\,x^3+3\,x^5+6\,x^3\,y-3\,x^5\,y\right)+F\,\left(4\,x^4-x^6-4\,x^4\,y+x^6\,y\right)\right\}$

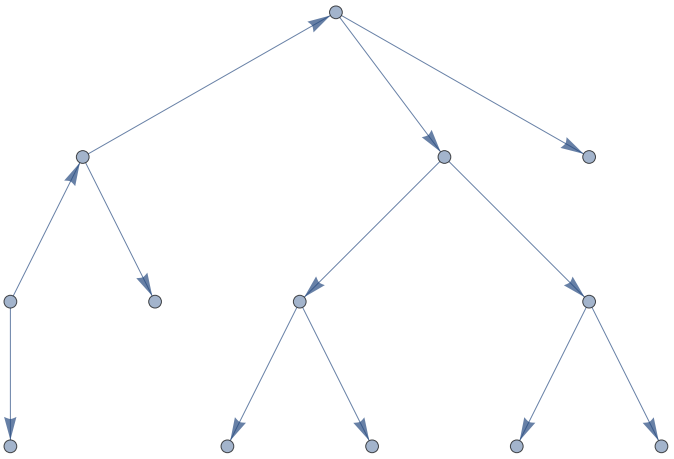
Out[715]=



Out[717]= $\left\{x^4+G^3\left(2x^3-x^5\right)+G\left(x-3x^3+2x^5\right)+G^2\left(-1+3x^2-4x^4+x^6\right)\right\}$

Out[719]= $\left\{-x^4+x^4y+F^3\left(-2x^3+x^5-xy+2x^3y-x^5y\right)+\right.$
$\left.F\left(-x+3x^3-2x^5-3x^3y+2x^5y\right)+F^2\left(1-3x^2+4x^4-x^6+3x^2y-4x^4y+x^6y\right)\right\}$

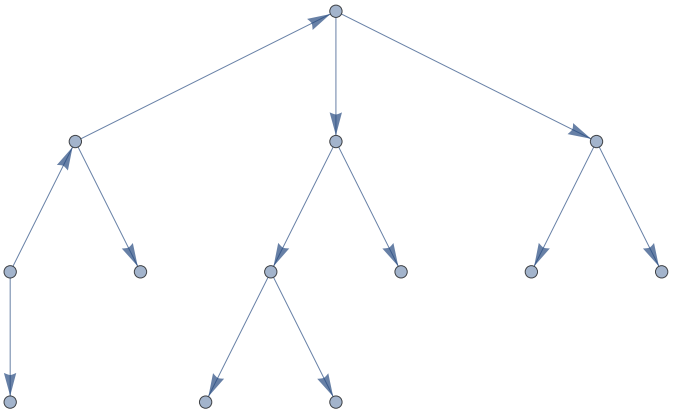
Out[721]=



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

Out[725]= $\left\{-x^4+x^4y+F^3\left(-2x^3+x^5-xy+2x^3y-x^5y\right)+\right.$
$\left.F\left(-x+3x^3-2x^5-3x^3y+2x^5y\right)+F^2\left(1-3x^2+4x^4-x^6+3x^2y-4x^4y+x^6y\right)\right\}$

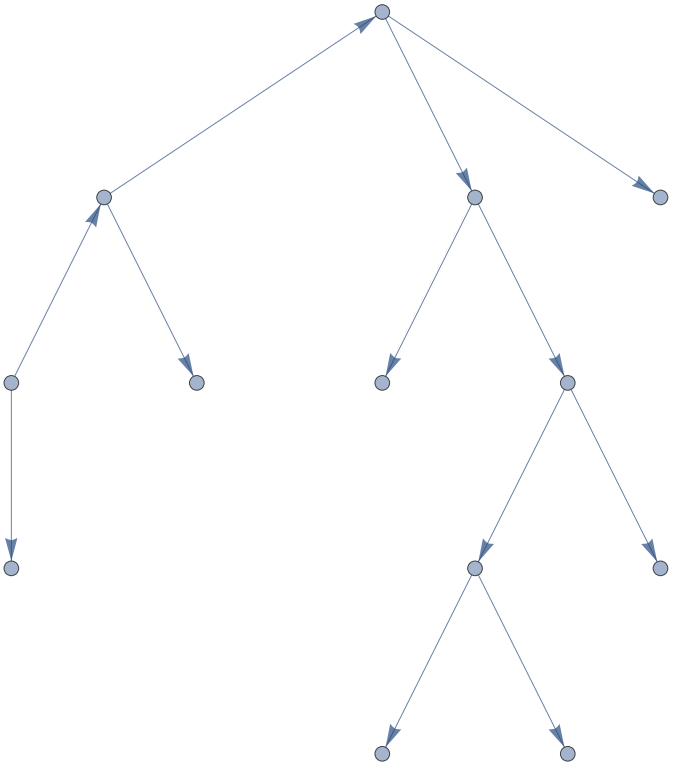
Out[727]=



Out[729]= $\left\{x^4+G^4\,x^4+G^3\,\left(x^3-2\,x^5\right)+G\,\left(x-3\,x^3+x^5\right)+G^2\,\left(-1+3\,x^2-2\,x^4+x^6\right)\right\}$

Out[731]= $\left\{-x^4+x^4\,y+F^4\,\left(-x^4+x^4\,y\right)+F^3\,\left(-x^3+2\,x^5-x\,y+x^3\,y-2\,x^5\,y\right)+\right.$
$\left.F\,\left(-x+3\,x^3-x^5-3\,x^3\,y+x^5\,y\right)+F^2\,\left(1-3\,x^2+2\,x^4-x^6+3\,x^2\,y-2\,x^4\,y+x^6\,y\right)\right\}$

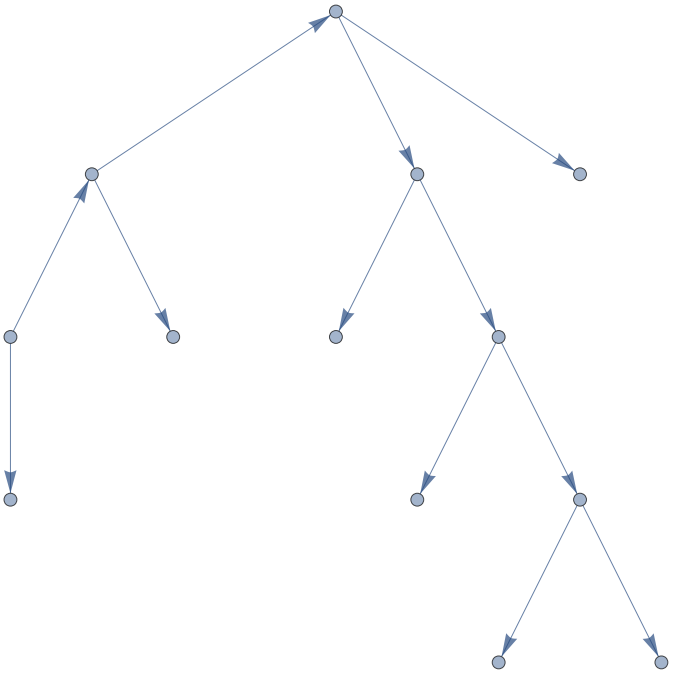
Out[733]=



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

Out[737]= $\left\{-x^4+x^4\,y+F^3\,\left(-2\,x^3+x^5-x\,y+2\,x^3\,y-x^5\,y\right)+\right.$
$\left.F\,\left(-x+3\,x^3-2\,x^5-3\,x^3\,y+2\,x^5\,y\right)+F^2\,\left(1-3\,x^2+4\,x^4-x^6+3\,x^2\,y-4\,x^4\,y+x^6\,y\right)\right\}$

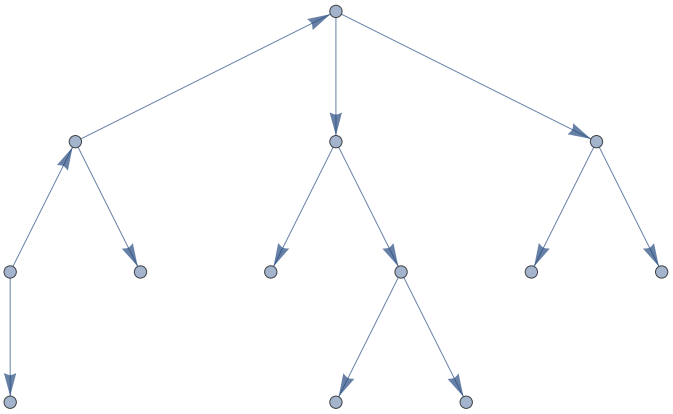
Out[739]=



Out[741]= $\left\{-x+x^3+G\left(1-2x^2+2x^4\right)+G^2\left(-2x^3+2x^5\right)+G^3\left(-x^4+x^6\right)\right\}$

Out[743]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-2x^4-2x^2y+2x^4y\right)+F^2\left(2x^3-2x^5+xy-2x^3y+2x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

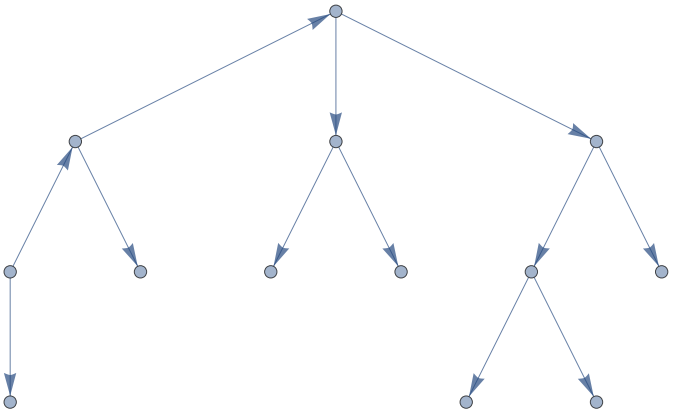
Out[745]=



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

Out[749]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-2x^4-2x^2y+2x^4y\right)+F^2\left(2x^3-2x^5+xy-2x^3y+2x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

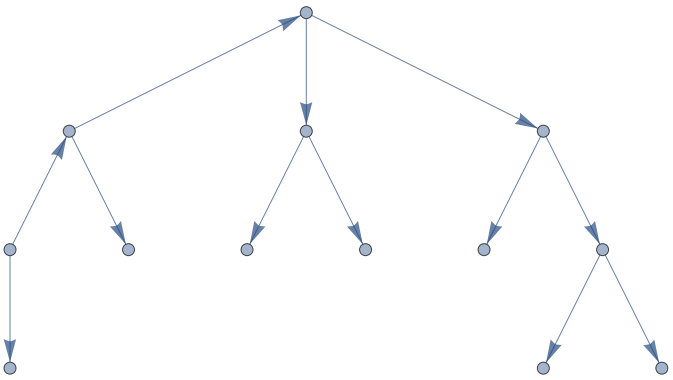
Out[751]=



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

Out[755]= $\left\{-x + x^3 - x^5 - x^3\, y + x^5\, y + F^3\, \left(-x^4 + x^4\, y\right) + F^2\, \left(-2\, x^3 + 2\, x^5 - x\, y + 2\, x^3\, y - 2\, x^5\, y\right) + F\, \left(1 - 2\, x^2 + 3\, x^4 - x^6 + 2\, x^2\, y - 3\, x^4\, y + x^6\, y\right)\right\}$

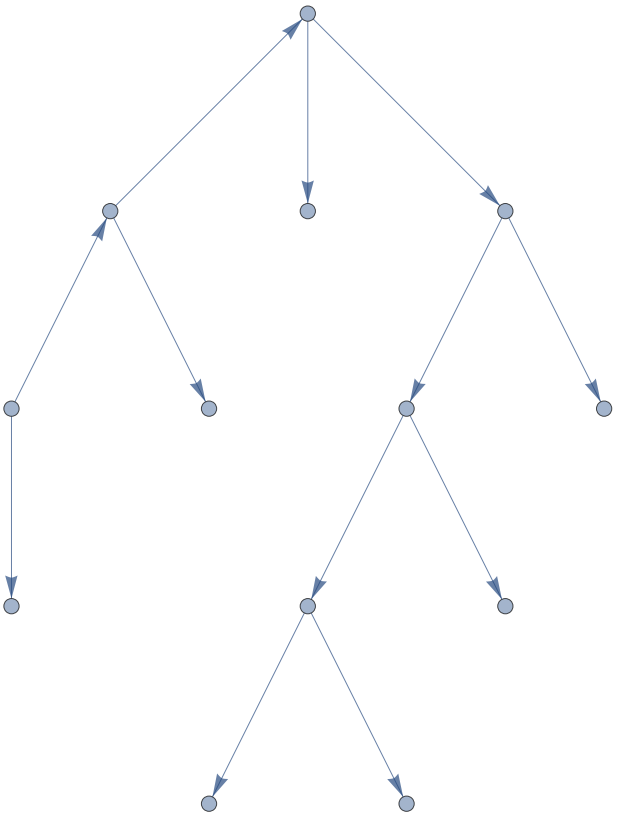
Out[757]=



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

Out[761]= $\left\{x - x^3 + x^3\, y + F\, \left(-1 + 2\, x^2 - x^4 - 2\, x^2\, y + x^4\, y\right) + F^4\, \left(x^5 - x^5\, y\right) + F^2\, \left(x^3 - x^5 + x\, y - x^3\, y + x^5\, y\right) + F^3\, \left(x^4 - x^6 - x^4\, y + x^6\, y\right)\right\}$

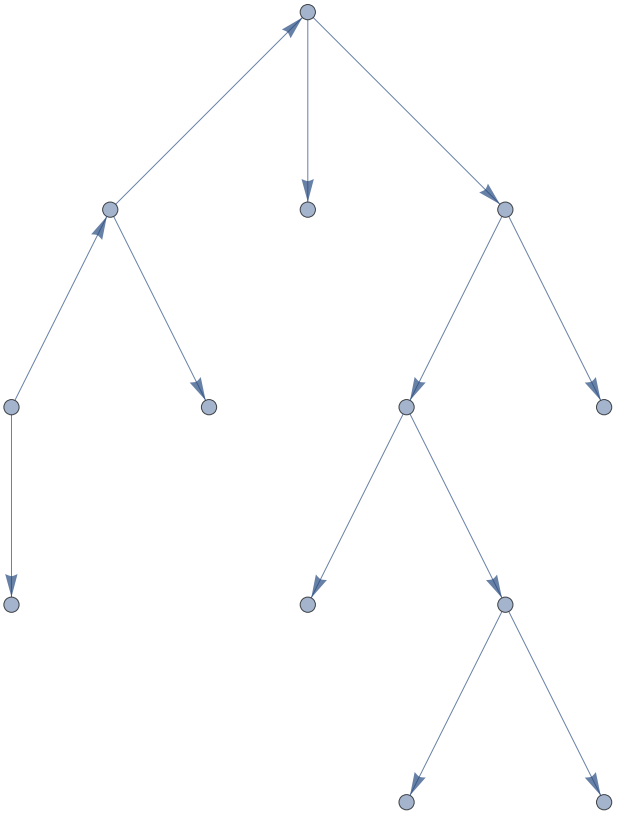
Out[763]=



Out[765]= $\left\{x^4 + G^4\, x^4 + G^3\, \left(x^3 - 2\, x^5\right) + G\, \left(x - 3\, x^3 + x^5\right) + G^2\, \left(-1 + 3\, x^2 - 2\, x^4 + x^6\right)\right\}$

Out[767]= $\left\{-x^4 + x^4\, y + F^4\, \left(-x^4 + x^4\, y\right) + F^3\, \left(-x^3 + 2\, x^5 - x\, y + x^3\, y - 2\, x^5\, y\right) + \right.$
$\left. F\, \left(-x + 3\, x^3 - x^5 - 3\, x^3\, y + x^5\, y\right) + F^2\, \left(1 - 3\, x^2 + 2\, x^4 - x^6 + 3\, x^2\, y - 2\, x^4\, y + x^6\, y\right)\right\}$

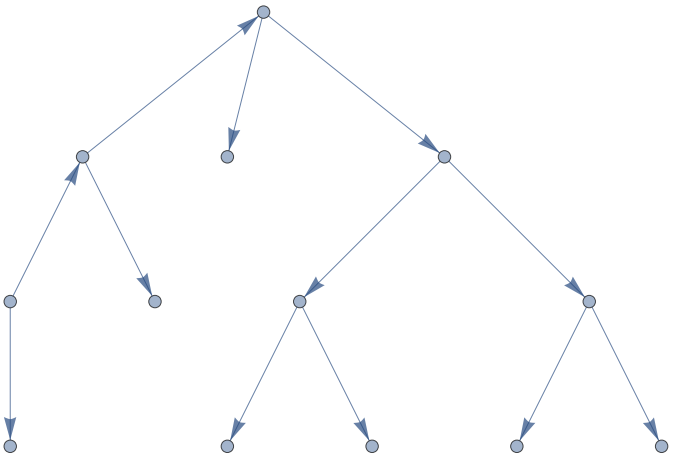
Out[769]=



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

Out[773]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-2x^4-2x^2y+2x^4y\right)+F^2\left(2x^3-2x^5+xy-2x^3y+2x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

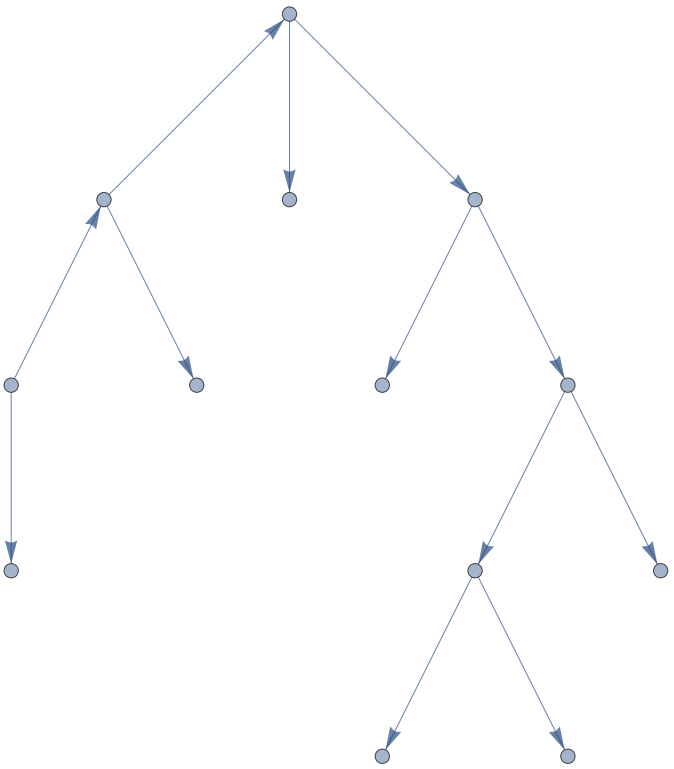
Out[775]=



Out[777]= $\left\{-x+x^3-G^4x^5+G\left(1-2x^2+x^4\right)+G^2\left(-x^3+x^5\right)+G^3\left(-x^4+x^6\right)\right\}$

Out[779]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-x^4-2x^2y+x^4y\right)+F^4\left(x^5-x^5y\right)+F^2\left(x^3-x^5+xy-x^3y+x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

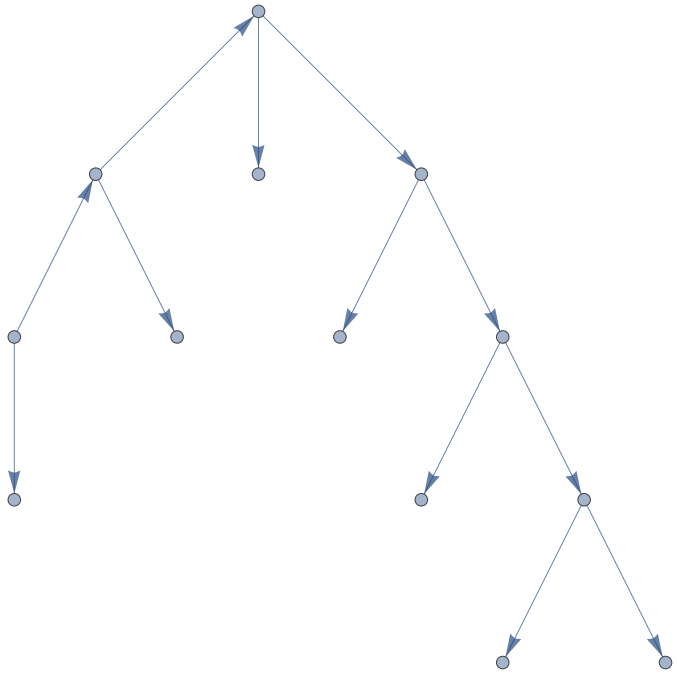
Out[781]=



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

Out[785]= $\left\{x-x^3+x^3y+F\left(-1+2x^2-x^4-2x^2y+x^4y\right)+F^4\left(x^5-x^5y\right)+F^2\left(x^3-x^5+xy-x^3y+x^5y\right)+F^3\left(x^4-x^6-x^4y+x^6y\right)\right\}$

Out[787]=



Out[789]= $\left\{x + G^2 x^3 + G^3 x^4 + G^4 x^5 + G^5 x^6 + G \left(-1 + x^2\right)\right\}$

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