

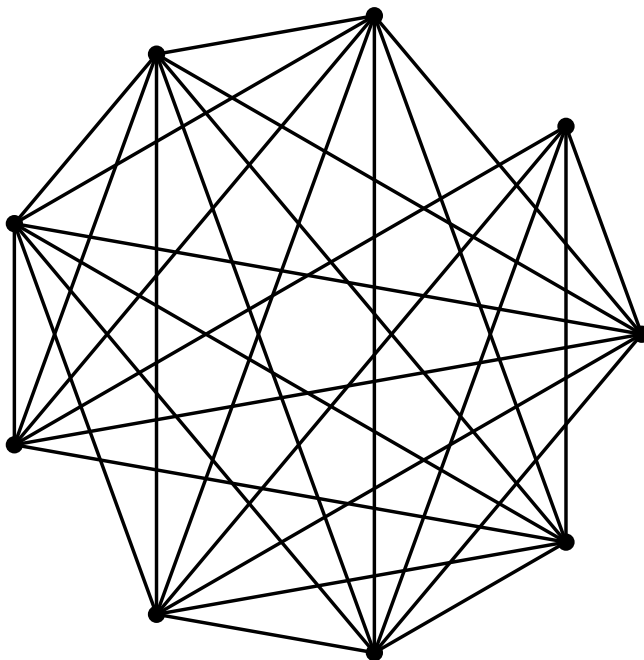
Mathematica Notebook accompanying the article "M. Gerling: Bivariate Chromatic Polynomials in Computer Algebra"

```
SetDirectory["..."]
```

```
<< BivariatePolynomials.m
```

To compute the first example for Theorem 11, we first define the given graph.

```
ShowGraph[G1 = DeleteEdges[Combinatorica`CompleteGraph[9],  
{ {1, 2}, {1, 3}, {1, 4}, {5, 6}, {5, 7}, {8, 9} }]]
```



To compute the bivariate chromatic polynomial for this graph, we use the implementation "BivariatePolynomialAGM1" of the recursion formula (AGM1) for a graph G by Averbouch, Godlin and Makowsky from Theorem 6. As we see, this method needs some minutes on a PC.

```
Timing[BivariatePolynomialAGM1[G1, x, y]]
```

```
[Dauer
```

```
{127.515, x9 - 30 x7 y + 126 x6 y + 263 x5 y2 - 515 x5 y - 1580 x4 y2 + 1874 x4 y -  
734 x3 y3 + 6212 x3 y2 - 5688 x3 y + 3976 x2 y3 - 17218 x2 y2 + 13332 x2 y + 462 x y4 -  
10225 x y3 + 31030 x y2 - 21288 x y - 1114 y4 + 11484 y3 - 27648 y2 + 17280 y}
```

Now, we use the implementation "BivariatePolynomialAGM2" for the same

recursion formula (AGM2), which solves the equation for the graph G - e instead of G with an edge e from E. For our graph, this is much faster than the implementation "BivariatePolynomialAGM1".

```
Timing[BivariatePolynomialAGM2[G1, x, y]]
```

[Dauer

$$\{0.280802, x^9 - 30x^7y + 126x^6y^2 + 263x^5y^3 - 515x^5y^4 - 1580x^4y^5 + 1874x^4y^6 - 734x^3y^7 + 6212x^3y^8 - 5688x^3y^9 + 3976x^2y^{10} - 17218x^2y^{11} + 13332x^2y^{12} + 462xy^{13} - 10225xy^{14} + 31030xy^{15} - 21288xy^{16} - 1114y^{17} + 11484y^{18} - 27648y^{19} + 17280y^{20}\}$$

Our equation from Theorem 11 is implemented directly and is clearly more efficient than the implementation "BivariatePolynomialAGM1".

```
Timing[Expand[Sum[Binomial[1, c] * 3^c * Sum[Binomial[1, b] * 2^b *
```

[Dauer [multipliziere s... Binomialkoeffizient [s... Binomialkoeffizient

```
Sum[Binomial[1, a] * 1^a * Sum[Binomial[9 - 2 * c - 2 * b - 2 * a, i] *
```

[s... Binomialkoeffizient [s... Binomialkoeffizient

```
(x - y)^i * FunctionExpand[FactorialPower[y, 9 - c - b - a - i],
```

[multipliziere Funktio... Faktorielle

```
{i, 0, 9 - 2 * c - 2 * b - 2 * a}], {a, 0, 1}], {b, 0, 1}], {c, 0, 1}]]]
```

$$\{0.0156001, x^9 - 30x^7y + 126x^6y^2 + 263x^5y^3 - 515x^5y^4 - 1580x^4y^5 + 1874x^4y^6 - 734x^3y^7 + 6212x^3y^8 - 5688x^3y^9 + 3976x^2y^{10} - 17218x^2y^{11} + 13332x^2y^{12} + 462xy^{13} - 10225xy^{14} + 31030xy^{15} - 21288xy^{16} - 1114y^{17} + 11484y^{18} - 27648y^{19} + 17280y^{20}\}$$

Now we consider the second example for Theorem 11. Because of the graph's size we define the graph without showing it.

```
G2 = DeleteEdges[Combinatorica`CompleteGraph[40], {{1, 2}, {1, 3}, {1, 4}, {1, 5},
{1, 6}, {7, 8}, {7, 9}, {7, 10}, {7, 11}, {12, 13}, {12, 14}, {12, 15}, {12, 16},
{17, 18}, {17, 19}, {17, 20}, {21, 22}, {23, 24}, {25, 26}, {27, 28}}];
```

In this case we use only the implementation "BivariatePolynomialAGM2", because it is more efficient for the graph G2. But even this recursion cannot compute the bivariate chromatic polynomial in less than one hour.

```
TimeConstrained[BivariatePolynomialAGM2[G2, x, y], 3600]
```

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Our equation from Theorem 11 can solve this problem easily. However, the output is very large.

Timing[Expand[

[Dauer [multipliziere aus

Sum[Binomial[1, e] * 5^e *

[s... [Binomialkoeffizient

Sum[

[summiere

Binomial[2, d] * 4^d * Sum[Binomial[1, c] * 3^c * Sum[Binomial[0, b] * 2^b * Sum[

[Binomialkoeffizient [s... [Binomialkoeffizient [s... [Binomialkoeffizient [summier

Binomial[4, a] * 1^a * Sum[Binomial[40 - 2 * e - 2 * d - 2 * c - 2 * b - 2 * a, i] *

[Binomialkoeffizient [s... [Binomialkoeffizient

(x - y)^i * FunctionExpand[FactorialPower[y, 40 - e - d - c - b - a - i],

[multipliziere Funktio... [Faktorielle

{i, 0, 40 - 2 * e - 2 * d - 2 * c - 2 * b - 2 * a}, {a, 0, 4}],

{b, 0, 0}], {c, 0, 1}], {d, 0, 2}], {e, 0, 1}]]]

$$\begin{aligned}
 & \{1.63801, x^{40} - 760yx^{38} + 19000y^2x^{37} + 260275y^2x^{36} - 520385yx^{36} - 12328440y^2x^{35} + 14791752yx^{35} - \\
 & 53250022y^3x^{34} + 461331066y^2x^{34} - 425796644yx^{34} + 3573138744y^3x^{33} - 15718144512y^2x^{33} + \\
 & 12246828288y^3x^{33} + 7275539059y^4x^{32} - 164847283407y^3x^{32} + 506090959583y^2x^{32} - \\
 & 349002334410yx^{32} - 612620867904y^4x^{31} + 6423914870720y^3x^{31} - 15606558054912y^2x^{31} + \\
 & 9797199158016yx^{31} - 703062288964y^5x^{30} + 32796071185784y^4x^{30} - 225775337796956y^3x^{30} + \\
 & 463434540915688y^2x^{30} - 269758862890464yx^{30} + 69372669611960y^5x^{29} - 1411678103806448y^4x^{29} + \\
 & 7361781510064264y^3x^{29} - 13279969153137456y^2x^{29} + 7260512935049280yx^{29} + \\
 & 49650448152367y^6x^{28} - 4135781483976725y^5x^{28} + 52976137386382791y^4x^{28} - \\
 & 225851956130408863y^3x^{28} + 367434790172052670y^2x^{28} - 190472892392915400yx^{28} - \\
 & 5486842396403816y^6x^{27} + 191365355438254536y^5x^{27} - 1799046477458589128y^4x^{27} + \\
 & 6568445952297689432y^3x^{27} - 9813517787345388144y^2x^{27} + 4858239919796665920yx^{27} - \\
 & 2611455750988738y^7x^{26} + 353263515469363254y^6x^{26} - 7520654740058054686y^5x^{26} + \\
 & 56388009804069193530y^4x^{26} - 181834450492796337880y^3x^{26} + 252815569509669264360y^2x^{26} - \\
 & 120199126388143024800yx^{26} + 312630078532796024y^7x^{25} - 17181588288562213152y^6x^{25} + \\
 & 262089524817932746376y^5x^{25} - 1649670073837237106304y^4x^{25} + 4801595461132785348800y^3x^{25} - \\
 & 6275525894271851561280y^2x^{25} + 2878379940823255814400yx^{25} + \\
 & 103327549644251965y^8x^{24} - 21207203330998411895y^7x^{24} + 694915561750162782505y^6x^{24} - \\
 & 8292445727260457927705y^5x^{24} + 45347364095954590743400y^4x^{24} - \\
 & 121053593049146050324940y^3x^{24} + 149896539696217249685520y^2x^{24} - \\
 & 66571676702483531241600yx^{24} - 13049104579125658480y^8x^{23} + 1063251796088116691280y^7x^{23} - \\
 & 24497473915487659873360y^6x^{23} + 241534253171725682128560y^5x^{23} - \\
 & 1175806057347287885574400y^4x^{23} + 2913935716193056515224640y^3x^{23} - \\
 & 3440084719823866760451840y^2x^{23} + 1483868079031461409843200yx^{23} - \\
 & 3086008411487706840y^9x^{22} + 913048070303120965700y^8x^{22} - 43543117535157169655040y^7x^{22} + \\
 & 772732873132390351627820y^6x^{22} - 6531413227529206329779640y^5x^{22} + \\
 & 28818097078109584119745520y^4x^{22} - 66935955211198153975568160y^3x^{22} + \\
 & 75725712355032459136563840y^2x^{22} - 31806540712075290431155200yx^{22} + \\
 & 401894704994599977160y^9x^{21} - 46351884301432793893040y^8x^{21} +
 \end{aligned}$$

$$\begin{aligned}
& 1\,530\,800\,793\,392\,866\,881\,166\,600\,y^7x^{21} - 22\,155\,616\,801\,061\,228\,507\,789\,360\,y^6x^{21} + \\
& 164\,816\,413\,439\,868\,395\,542\,687\,840\,y^5x^{21} - 668\,238\,393\,727\,703\,845\,130\,565\,440\,y^4x^{21} + \\
& 1\,465\,817\,037\,351\,434\,639\,079\,690\,240\,y^3x^{21} - 1\,595\,860\,682\,339\,998\,153\,795\,046\,400\,y^2x^{21} + \\
& 654\,136\,391\,273\,665\,551\,584\,256\,000\,yx^{21} + 69\,422\,104\,913\,914\,921\,245\,y^{10}x^{20} - \\
& 28\,450\,103\,695\,780\,277\,333\,515\,y^9x^{20} + 1\,891\,905\,303\,606\,200\,304\,433\,935\,y^8x^{20} - \\
& 47\,515\,711\,115\,459\,918\,401\,577\,815\,y^7x^{20} + 583\,052\,987\,318\,267\,811\,333\,332\,190\,y^6x^{20} - \\
& 3\,892\,678\,866\,970\,680\,038\,292\,898\,900\,y^5x^{20} + 14\,660\,136\,479\,899\,001\,985\,985\,491\,960\,y^4x^{20} - \\
& 30\,558\,562\,586\,974\,660\,189\,814\,311\,680\,y^3x^{20} + 32\,130\,709\,931\,950\,944\,581\,394\,691\,200\,y^2x^{20} - \\
& 12\,877\,005\,758\,729\,431\,513\,670\,784\,000\,yx^{20} - 9\,131\,968\,029\,091\,915\,715\,400\,y^{10}x^{19} + \\
& 1\,437\,411\,477\,608\,222\,197\,105\,640\,y^9x^{19} - 65\,369\,194\,773\,119\,811\,044\,342\,520\,y^8x^{19} + \\
& 1\,324\,502\,383\,850\,732\,243\,076\,984\,680\,y^7x^{19} - 14\,167\,910\,843\,297\,321\,149\,140\,254\,160\,y^6x^{19} + \\
& 86\,174\,872\,842\,829\,377\,701\,212\,425\,440\,y^5x^{19} - 304\,078\,254\,469\,999\,587\,608\,085\,787\,200\,y^4x^{19} + \\
& 605\,418\,168\,006\,730\,596\,591\,809\,464\,320\,y^3x^{19} - 616\,628\,215\,176\,692\,249\,285\,795\,404\,800\,y^2x^{19} + \\
& 242\,020\,778\,171\,841\,994\,106\,428\,416\,000\,yx^{19} - 1\,167\,674\,104\,664\,294\,939\,250\,y^{11}x^{18} + \\
& 641\,924\,908\,168\,826\,654\,275\,750\,y^{10}x^{18} - 57\,541\,989\,482\,602\,576\,841\,958\,530\,y^9x^{18} + \\
& 1\,968\,926\,490\,918\,258\,051\,112\,889\,110\,y^8x^{18} - 33\,508\,061\,590\,963\,631\,971\,542\,680\,360\,y^7x^{18} + \\
& 319\,004\,845\,244\,206\,660\,009\,584\,620\,320\,y^6x^{18} - 1\,788\,674\,141\,505\,273\,330\,662\,328\,596\,480\,y^5x^{18} + \\
& 5\,955\,498\,856\,918\,472\,725\,832\,353\,954\,080\,y^4x^{18} - 11\,374\,523\,580\,456\,179\,347\,213\,734\,531\,840\,y^3x^{18} + \\
& 11\,251\,341\,257\,069\,135\,658\,692\,026\,713\,600\,y^2x^{18} - 4\,331\,051\,200\,938\,068\,456\,032\,415\,232\,000\,yx^{18} + \\
& 152\,058\,273\,121\,667\,387\,752\,200\,y^{11}x^{17} - 31\,716\,626\,737\,624\,000\,869\,151\,840\,y^{10}x^{17} + \\
& 1\,923\,954\,150\,265\,328\,198\,589\,112\,200\,y^9x^{17} - 52\,624\,419\,249\,440\,970\,922\,890\,518\,080\,y^8x^{17} + \\
& 774\,360\,271\,019\,959\,234\,606\,796\,448\,480\,y^7x^{17} - 6\,666\,931\,446\,906\,919\,365\,165\,523\,289\,920\,y^6x^{17} + \\
& 34\,788\,759\,255\,114\,236\,029\,137\,046\,717\,440\,y^5x^{17} - 109\,938\,660\,801\,650\,462\,549\,254\,168\,984\,320\,y^4x^{17} + \\
& 202\,161\,182\,332\,667\,110\,176\,090\,738\,493\,440\,y^3x^{17} - 194\,645\,387\,856\,321\,865\,037\,405\,621\,145\,600\,y^2x^{17} + \\
& 73\,577\,410\,275\,745\,581\,658\,425\,004\,032\,000\,yx^{17} + 14\,496\,695\,872\,452\,966\,751\,425\,y^{12}x^{16} - \\
& 10\,413\,441\,856\,054\,845\,602\,881\,425\,y^{11}x^{16} + 1\,224\,163\,422\,723\,495\,896\,899\,053\,335\,y^{10}x^{16} - \\
& 55\,368\,657\,676\,066\,783\,698\,328\,577\,085\,y^9x^{16} + 1\,261\,872\,377\,993\,626\,317\,502\,509\,916\,760\,y^8x^{16} - \\
& 16\,407\,495\,781\,199\,045\,441\,843\,493\,922\,920\,y^7x^{16} + 129\,371\,898\,660\,663\,588\,658\,660\,939\,781\,840\,y^6x^{16} - \\
& 633\,144\,261\,390\,021\,827\,221\,193\,688\,243\,600\,y^5x^{16} + 1\,908\,421\,305\,381\,304\,843\,285\,178\,702\,997\,120\,y^4x^{16} - \\
& 3\,389\,340\,380\,711\,340\,965\,913\,192\,653\,740\,800\,y^3x^{16} + 3\,182\,625\,592\,519\,705\,332\,710\,608\,233\,216\,000\,y^2x^{16} - \\
& 1\,182\,734\,376\,163\,907\,048\,926\,527\,283\,200\,000\,yx^{16} - 1\,830\,543\,538\,104\,904\,945\,845\,600\,y^{12}x^{15} + \\
& 493\,798\,093\,200\,768\,269\,713\,935\,520\,y^{11}x^{15} - 38\,932\,661\,687\,676\,172\,065\,501\,331\,040\,y^{10}x^{15} + \\
& 1\,396\,554\,733\,404\,777\,649\,841\,803\,925\,920\,y^9x^{15} - 27\,326\,304\,984\,671\,644\,687\,955\,857\,514\,240\,y^8x^{15} + \\
& 319\,277\,089\,961\,524\,079\,623\,472\,311\,456\,000\,y^7x^{15} - 2\,329\,146\,509\,098\,679\,788\,095\,794\,770\,250\,240\,y^6x^{15} + \\
& 10\,759\,911\,354\,230\,837\,378\,191\,142\,203\,482\,624\,y^5x^{15} - 31\,063\,811\,409\,347\,319\,087\,859\,166\,259\,916\,800\,y^4x^{15} + \\
& 53\,427\,825\,272\,470\,251\,222\,441\,930\,267\,648\,000\,y^3x^{15} - 49\,012\,668\,693\,128\,322\,802\,958\,504\,140\,800\,000\,y^2x^{15} + \\
& 17\,924\,581\,085\,857\,113\,879\,204\,391\,157\,760\,000\,yx^{15} - 130\,292\,173\,949\,843\,692\,779\,300\,y^{13}x^{14} + \\
& 119\,638\,812\,375\,889\,598\,813\,036\,400\,y^{12}x^{14} - 18\,028\,640\,184\,710\,262\,541\,670\,905\,900\,y^{11}x^{14} + \\
& 1\,051\,621\,705\,080\,403\,238\,315\,737\,397\,040\,y^{10}x^{14} - 31\,213\,745\,373\,425\,950\,995\,712\,054\,876\,720\,y^9x^{14} + \\
& 536\,314\,456\,483\,805\,183\,881\,775\,032\,289\,280\,y^8x^{14} - 5\,706\,076\,308\,299\,481\,787\,407\,600\,350\,697\,280\,y^7x^{14} + \\
& 38\,834\,672\,042\,729\,411\,622\,149\,984\,454\,470\,400\,y^6x^{14} - 170\,269\,028\,454\,246\,325\,008\,752\,560\,216\,515\,840\,y^5x^{14} + \\
& 472\,512\,509\,488\,739\,198\,402\,025\,953\,950\,955\,520\,y^4x^{14} - \\
& 788\,907\,159\,849\,859\,490\,787\,235\,120\,826\,265\,600\,y^3x^{14} + \\
& 708\,105\,703\,377\,645\,375\,579\,837\,924\,691\,968\,000\,y^2x^{14} - 255\,076\,754\,720\,392\,483\,148\,420\,560\,650\,240\,000\,yx^{14} + \\
& 15\,595\,025\,970\,297\,890\,705\,034\,600\,y^{13}x^{13} - 5\,330\,555\,691\,190\,042\,528\,696\,126\,800\,y^{12}x^{13} + \\
& 534\,607\,408\,645\,380\,959\,633\,471\,850\,200\,y^{11}x^{13} - 24\,562\,599\,985\,772\,383\,444\,863\,702\,875\,280\,y^{10}x^{13} +
\end{aligned}$$

$$\begin{aligned}
& 622\,093\,816\,103\,879\,870\,627\,067\,139\,957\,120\,y^9x^{13} - 9\,551\,164\,682\,053\,940\,824\,627\,065\,502\,604\,160\,y^8x^{13} + \\
& 93\,533\,785\,434\,579\,134\,982\,492\,385\,408\,088\,960\,y^7x^{13} - 598\,021\,817\,127\,882\,608\,771\,609\,336\,210\,960\,640\,y^6x^{13} + \\
& 2\,500\,003\,309\,439\,075\,951\,417\,127\,924\,398\,976\,000\,y^5x^{13} - \\
& 6\,689\,569\,127\,080\,754\,423\,170\,796\,097\,827\,082\,240\,y^4x^{13} + \\
& 10\,864\,606\,805\,089\,786\,019\,593\,444\,608\,822\,067\,200\,y^3x^{13} - \\
& 9\,554\,458\,894\,190\,425\,983\,370\,308\,557\,193\,216\,000\,y^2x^{13} + \\
& 3\,392\,859\,042\,609\,109\,762\,495\,879\,143\,751\,680\,000\,yx^{13} + 824\,550\,554\,623\,647\,143\,216\,925\,y^{14}x^{12} - \\
& 949\,981\,153\,554\,193\,379\,940\,696\,375\,y^{13}x^{12} + 180\,014\,204\,042\,762\,891\,366\,230\,590\,925\,y^{12}x^{12} - \\
& 13\,266\,562\,971\,673\,861\,816\,148\,220\,803\,765\,y^{11}x^{12} + 501\,303\,311\,517\,882\,108\,304\,577\,906\,247\,850\,y^{10}x^{12} - \\
& 11\,087\,672\,705\,782\,003\,606\,578\,284\,731\,499\,360\,y^9x^{12} + 154\,234\,483\,529\,185\,508\,528\,387\,468\,053\,522\,720\,y^8x^{12} - \\
& 1\,402\,553\,201\,659\,381\,741\,280\,772\,718\,302\,740\,240\,y^7x^{12} + \\
& 8\,473\,707\,881\,230\,441\,091\,007\,276\,667\,502\,629\,920\,y^6x^{12} - \\
& 33\,909\,842\,020\,746\,147\,819\,051\,258\,405\,285\,690\,240\,y^5x^{12} + \\
& 87\,728\,359\,495\,165\,032\,870\,339\,669\,011\,414\,499\,840\,y^4x^{12} - \\
& 138\,853\,980\,823\,763\,720\,284\,397\,212\,032\,607\,795\,200\,y^3x^{12} + \\
& 119\,783\,581\,930\,571\,014\,623\,107\,918\,672\,787\,456\,000\,y^2x^{12} - \\
& 41\,962\,908\,287\,434\,235\,892\,657\,240\,538\,644\,480\,000\,yx^{12} - \\
& 91\,098\,141\,859\,029\,615\,888\,778\,200\,y^{14}x^{11} + 38\,774\,970\,714\,917\,697\,180\,751\,030\,200\,y^{13}x^{11} - \\
& 4\,857\,369\,926\,019\,129\,805\,704\,733\,315\,000\,y^{12}x^{11} + 280\,276\,639\,718\,107\,274\,471\,330\,314\,373\,160\,y^{11}x^{11} - \\
& 8\,988\,053\,613\,714\,575\,751\,071\,635\,360\,227\,600\,y^{10}x^{11} + 176\,758\,177\,583\,852\,879\,975\,155\,506\,305\,594\,880\,y^9x^{11} - \\
& 2\,252\,842\,728\,773\,934\,250\,973\,255\,811\,846\,799\,360\,y^8x^{11} + \\
& 19\,164\,100\,658\,814\,034\,928\,104\,393\,748\,502\,157\,440\,y^7x^{11} - \\
& 109\,954\,087\,100\,428\,926\,800\,930\,036\,766\,898\,648\,320\,y^6x^{11} + \\
& 422\,653\,080\,185\,373\,629\,114\,171\,753\,047\,118\,760\,960\,y^5x^{11} - \\
& 1\,059\,715\,646\,397\,967\,280\,695\,962\,779\,472\,907\,161\,600\,y^4x^{11} + \\
& 1\,637\,273\,595\,163\,075\,073\,372\,402\,094\,548\,072\,448\,000\,y^3x^{11} - \\
& 1\,387\,015\,456\,212\,544\,108\,186\,331\,823\,840\,215\,040\,000\,y^2x^{11} + \\
& 479\,679\,210\,850\,527\,709\,554\,092\,237\,527\,449\,600\,000\,yx^{11} - 3\,532\,073\,537\,099\,339\,511\,429\,150\,y^{15}x^{10} + \\
& 5\,024\,913\,464\,664\,319\,164\,843\,955\,050\,y^{14}x^{10} - 1\,177\,843\,411\,022\,785\,749\,400\,144\,036\,050\,y^{13}x^{10} + \\
& 107\,781\,524\,286\,080\,101\,028\,427\,239\,053\,670\,y^{12}x^{10} - 5\,087\,480\,932\,242\,814\,627\,970\,230\,369\,827\,240\,y^{11}x^{10} + \\
& 141\,781\,105\,627\,585\,628\,460\,603\,637\,021\,200\,040\,y^{10}x^{10} - \\
& 2\,514\,920\,280\,738\,646\,441\,454\,797\,663\,660\,344\,960\,y^9x^{10} + \\
& 29\,641\,159\,293\,355\,222\,017\,124\,843\,755\,792\,369\,440\,y^8x^{10} - \\
& 237\,338\,485\,376\,387\,041\,125\,345\,680\,040\,133\,484\,160\,y^7x^{10} + \\
& 1\,298\,735\,111\,020\,092\,254\,950\,381\,949\,106\,923\,718\,528\,y^6x^{10} - \\
& 4\,809\,683\,079\,014\,721\,009\,275\,680\,186\,814\,118\,351\,360\,y^5x^{10} + \\
& 11\,711\,915\,163\,276\,785\,478\,118\,733\,071\,447\,984\,896\,000\,y^4x^{10} - \\
& 17\,689\,257\,054\,415\,677\,265\,614\,528\,182\,053\,125\,120\,000\,y^3x^{10} + \\
& 14\,730\,563\,285\,357\,456\,370\,289\,059\,783\,977\,656\,320\,000\,y^2x^{10} - \\
& 5\,032\,197\,980\,093\,562\,962\,180\,565\,933\,991\,526\,400\,000\,yx^{10} + 348\,409\,908\,547\,698\,555\,206\,649\,000\,y^{15}x^9 - \\
& 181\,914\,583\,879\,181\,188\,147\,819\,106\,400\,y^{14}x^9 + 28\,023\,701\,577\,839\,971\,052\,932\,909\,226\,200\,y^{13}x^9 - \\
& 1\,997\,150\,741\,992\,612\,610\,446\,652\,193\,584\,000\,y^{12}x^9 + 79\,617\,939\,447\,962\,405\,368\,726\,435\,732\,784\,640\,y^{11}x^9 - \\
& 1\,964\,179\,022\,175\,420\,575\,875\,894\,039\,663\,273\,920\,y^{10}x^9 + \\
& 31\,792\,452\,198\,338\,875\,389\,224\,290\,629\,460\,862\,080\,y^9x^9 - \\
& 349\,190\,658\,271\,848\,695\,407\,832\,787\,197\,400\,800\,768\,y^8x^9 + \\
& 2\,645\,762\,089\,377\,093\,015\,268\,822\,275\,947\,831\,000\,064\,y^7x^9 -
\end{aligned}$$

$$\begin{aligned}
& 13\,859\,480\,270\,926\,021\,161\,966\,819\,379\,498\,878\,114\,816\,y^6x^9 + \\
& 49\,580\,616\,782\,161\,380\,159\,826\,231\,788\,720\,684\,011\,520\,y^5x^9 - \\
& 117\,474\,550\,013\,728\,426\,813\,966\,937\,401\,294\,878\,720\,000\,y^4x^9 + \\
& 173\,678\,939\,846\,310\,887\,519\,593\,385\,967\,638\,077\,440\,000\,y^3x^9 - \\
& 142\,296\,984\,894\,214\,581\,087\,316\,151\,818\,401\,546\,240\,000\,y^2x^9 + \\
& 48\,044\,981\,197\,484\,512\,235\,493\,857\,114\,377\,420\,800\,000\,yx^9 + 9\,670\,661\,719\,160\,091\,391\,491\,750\,y^{16}x^8 - \\
& 16\,754\,399\,005\,360\,214\,796\,711\,238\,125\,y^{15}x^8 + 4\,789\,436\,477\,844\,797\,482\,360\,061\,079\,675\,y^{14}x^8 - \\
& 536\,124\,119\,618\,670\,886\,356\,346\,482\,464\,275\,y^{13}x^8 + 31\,106\,503\,309\,663\,124\,542\,788\,841\,112\,460\,600\,y^{12}x^8 - \\
& 1\,072\,984\,057\,996\,831\,796\,358\,831\,583\,219\,819\,180\,y^{11}x^8 + \\
& 23\,779\,870\,475\,651\,817\,116\,608\,776\,866\,465\,385\,600\,y^{10}x^8 - \\
& 354\,609\,869\,592\,962\,522\,660\,674\,212\,533\,376\,894\,160\,y^9x^8 + \\
& 3\,653\,314\,759\,054\,390\,603\,931\,418\,457\,330\,894\,014\,336\,y^8x^8 - \\
& 26\,313\,046\,957\,123\,267\,325\,816\,518\,771\,186\,190\,230\,848\,y^7x^8 + \\
& 132\,379\,955\,465\,796\,626\,206\,223\,652\,060\,967\,145\,839\,872\,y^6x^8 - \\
& 458\,532\,925\,170\,502\,367\,904\,845\,084\,359\,130\,224\,880\,640\,y^5x^8 + \\
& 1\,058\,890\,836\,808\,991\,952\,323\,355\,555\,330\,454\,586\,880\,000\,y^4x^8 - \\
& 1\,534\,238\,020\,877\,628\,464\,321\,008\,487\,449\,410\,478\,080\,000\,y^3x^8 + \\
& 1\,237\,754\,594\,071\,009\,399\,712\,881\,607\,182\,972\,846\,080\,000\,y^2x^8 - \\
& 413\,262\,835\,691\,574\,843\,551\,336\,531\,044\,899\,225\,600\,000\,yx^8 - 813\,995\,875\,600\,570\,956\,739\,446\,000\,y^{16}x^7 + \\
& 514\,579\,824\,055\,504\,683\,319\,307\,864\,400\,y^{15}x^7 - 96\,170\,536\,992\,986\,115\,705\,963\,071\,154\,000\,y^{14}x^7 + \\
& 8\,344\,476\,510\,263\,720\,393\,963\,008\,840\,026\,800\,y^{13}x^7 - 407\,148\,547\,095\,673\,343\,435\,500\,028\,367\,203\,840\,y^{12}x^7 + \\
& 12\,383\,021\,648\,387\,407\,732\,356\,915\,922\,698\,526\,400\,y^{11}x^7 - \\
& 249\,507\,882\,648\,785\,693\,248\,352\,563\,711\,088\,396\,800\,y^{10}x^7 + \\
& 3\,455\,449\,283\,419\,057\,015\,977\,140\,866\,721\,857\,869\,056\,y^9x^7 - \\
& 33\,578\,107\,150\,396\,006\,945\,058\,446\,941\,355\,561\,402\,368\,y^8x^7 + \\
& 230\,810\,944\,263\,095\,860\,297\,058\,370\,209\,765\,603\,300\,352\,y^7x^7 - \\
& 1\,118\,419\,128\,280\,528\,276\,377\,663\,198\,570\,629\,718\,282\,240\,y^6x^7 + \\
& 3\,758\,711\,713\,785\,574\,892\,047\,022\,188\,800\,986\,168\,279\,040\,y^5x^7 - \\
& 8\,472\,727\,197\,938\,878\,625\,546\,000\,292\,114\,971\,615\,232\,000\,y^4x^7 + \\
& 12\,044\,015\,605\,923\,788\,729\,084\,258\,050\,471\,266\,877\,440\,000\,y^3x^7 - \\
& 9\,574\,817\,871\,372\,064\,537\,752\,532\,068\,240\,103\,833\,600\,000\,y^2x^7 + \\
& 3\,162\,786\,115\,246\,716\,663\,036\,883\,504\,296\,728\,985\,600\,000\,yx^7 - 15\,505\,056\,707\,151\,315\,749\,445\,000\,y^{17}x^6 + \\
& 32\,317\,505\,144\,010\,351\,903\,254\,116\,500\,y^{16}x^6 - 11\,127\,519\,840\,121\,529\,419\,697\,967\,444\,600\,y^{15}x^6 + \\
& 1\,504\,096\,093\,782\,287\,004\,159\,264\,140\,736\,700\,y^{14}x^6 - 105\,798\,102\,469\,103\,124\,409\,109\,196\,933\,116\,600\,y^{13}x^6 + \\
& 4\,449\,083\,047\,091\,642\,919\,308\,815\,053\,802\,374\,160\,y^{12}x^6 - \\
& 121\,120\,106\,508\,205\,319\,444\,972\,431\,783\,498\,116\,320\,y^{11}x^6 + \\
& 2\,240\,823\,157\,147\,424\,224\,930\,986\,445\,797\,734\,607\,040\,y^{10}x^6 - \\
& 29\,017\,040\,335\,027\,545\,343\,249\,979\,945\,405\,414\,734\,976\,y^9x^6 + \\
& 267\,242\,212\,037\,734\,765\,741\,370\,443\,122\,643\,327\,614\,720\,y^8x^6 - \\
& 1\,759\,246\,577\,735\,439\,525\,951\,704\,026\,909\,546\,713\,604\,608\,y^7x^6 + \\
& 8\,231\,371\,016\,373\,561\,138\,650\,995\,067\,526\,022\,361\,892\,864\,y^6x^6 - \\
& 26\,890\,607\,238\,447\,320\,372\,514\,498\,242\,285\,584\,943\,308\,800\,y^5x^6 + \\
& 59\,248\,794\,731\,963\,103\,953\,552\,032\,793\,864\,089\,767\,936\,000\,y^4x^6 - \\
& 82\,710\,467\,140\,791\,940\,091\,313\,130\,693\,532\,465\,233\,920\,000\,y^3x^6 + \\
& 64\,838\,723\,188\,816\,798\,286\,870\,630\,574\,435\,654\,696\,960\,000\,y^2x^6 - \\
& 21\,198\,917\,199\,710\,055\,327\,079\,979\,627\,935\,432\,704\,000\,000\,yx^6 +
\end{aligned}$$

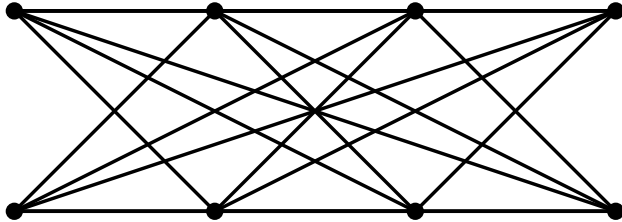
$$\begin{aligned}
& 1\,039\,958\,727\,856\,469\,088\,519\,852\,000\,y^{17}x^5 - 786\,873\,530\,775\,460\,747\,118\,673\,373\,200\,y^{16}x^5 + \\
& 176\,311\,109\,792\,001\,794\,480\,254\,381\,397\,400\,y^{15}x^5 - 18\,394\,752\,600\,673\,064\,638\,856\,288\,290\,435\,600\,y^{14}x^5 + \\
& 1\,083\,872\,578\,942\,634\,613\,835\,368\,558\,133\,361\,120\,y^{13}x^5 - \\
& 40\,044\,876\,000\,989\,682\,120\,855\,255\,449\,480\,107\,840\,y^{12}x^5 + \\
& 987\,847\,088\,854\,951\,721\,554\,864\,685\,758\,120\,988\,800\,y^{11}x^5 - \\
& 16\,920\,385\,116\,431\,596\,240\,458\,573\,752\,175\,684\,365\,056\,y^{10}x^5 + \\
& 206\,063\,677\,854\,289\,623\,771\,669\,082\,785\,634\,267\,531\,776\,y^9x^5 - \\
& 1\,806\,202\,212\,343\,328\,654\,948\,055\,126\,080\,876\,738\,817\,024\,y^8x^5 + \\
& 11\,421\,829\,390\,337\,896\,674\,884\,529\,085\,401\,263\,718\,776\,832\,y^7x^5 - \\
& 51\,719\,976\,649\,672\,236\,318\,733\,548\,889\,666\,867\,206\,782\,976\,y^6x^5 + \\
& 164\,515\,608\,238\,545\,380\,975\,891\,229\,880\,951\,683\,347\,251\,200\,y^5x^5 - \\
& 354\,745\,317\,198\,689\,524\,232\,927\,477\,390\,208\,852\,393\,984\,000\,y^4x^5 + \\
& 486\,765\,678\,604\,528\,540\,736\,681\,864\,046\,943\,265\,095\,680\,000\,y^3x^5 - \\
& 376\,515\,040\,903\,438\,789\,201\,601\,686\,309\,556\,862\,320\,640\,000\,y^2x^5 + \\
& 121\,893\,328\,570\,127\,996\,413\,000\,996\,797\,038\,985\,216\,000\,000\,yx^5 + 12\,576\,919\,649\,817\,975\,182\,230\,500\,y^{18}x^4 - \\
& 31\,200\,640\,496\,970\,888\,324\,630\,249\,000\,y^{17}x^4 + 12\,799\,019\,645\,635\,329\,370\,555\,025\,860\,125\,y^{16}x^4 - \\
& 2\,065\,450\,097\,192\,542\,821\,140\,516\,271\,059\,925\,y^{15}x^4 + 174\,021\,687\,797\,799\,587\,640\,256\,606\,008\,414\,650\,y^{14}x^4 - \\
& 8\,806\,169\,006\,298\,433\,635\,461\,574\,288\,367\,757\,700\,y^{13}x^4 + \\
& 290\,269\,061\,520\,173\,441\,901\,341\,272\,611\,422\,700\,840\,y^{12}x^4 - \\
& 6\,554\,606\,347\,677\,449\,230\,893\,963\,576\,801\,693\,934\,320\,y^{11}x^4 + \\
& 104\,675\,272\,346\,642\,016\,008\,607\,362\,650\,326\,159\,089\,120\,y^{10}x^4 - \\
& 1\,204\,916\,424\,852\,741\,052\,550\,396\,922\,112\,699\,299\,724\,992\,y^9x^4 + \\
& 10\,088\,407\,972\,545\,614\,056\,191\,587\,410\,267\,310\,734\,079\,616\,y^8x^4 - \\
& 61\,449\,033\,630\,783\,569\,055\,814\,487\,818\,915\,520\,888\,623\,104\,y^7x^4 + \\
& 269\,831\,215\,082\,211\,259\,586\,422\,387\,805\,117\,222\,692\,515\,840\,y^6x^4 - \\
& 836\,984\,217\,827\,436\,748\,534\,854\,156\,730\,713\,699\,170\,304\,000\,y^5x^4 + \\
& 1\,768\,256\,323\,975\,267\,586\,332\,457\,802\,442\,433\,284\,608\,000\,000\,y^4x^4 - \\
& 2\,386\,864\,494\,304\,526\,619\,656\,667\,638\,469\,817\,603\,522\,560\,000\,y^3x^4 + \\
& 1\,822\,766\,596\,140\,200\,526\,005\,827\,712\,235\,337\,226\,649\,600\,000\,y^2x^4 - \\
& 584\,538\,283\,283\,485\,791\,654\,987\,892\,057\,783\,664\,640\,000\,000\,yx^4 - \\
& 595\,437\,080\,643\,867\,898\,131\,696\,000\,y^{18}x^3 + 533\,772\,723\,558\,411\,745\,323\,085\,170\,000\,y^{17}x^3 - \\
& 141\,896\,607\,385\,587\,562\,271\,448\,481\,797\,000\,y^{16}x^3 + 17\,607\,174\,594\,793\,614\,172\,770\,118\,923\,832\,600\,y^{15}x^3 - \\
& 1\,238\,326\,033\,910\,121\,223\,055\,691\,112\,885\,274\,800\,y^{14}x^3 + \\
& 54\,876\,054\,862\,347\,940\,961\,643\,516\,445\,449\,663\,200\,y^{13}x^3 - \\
& 1\,634\,103\,096\,313\,158\,904\,880\,321\,013\,039\,243\,161\,280\,y^{12}x^3 + \\
& 34\,066\,245\,524\,884\,178\,366\,938\,227\,919\,381\,857\,387\,648\,y^{11}x^3 - \\
& 510\,280\,654\,159\,024\,282\,595\,454\,859\,701\,775\,772\,207\,360\,y^{10}x^3 + \\
& 5\,576\,189\,381\,329\,355\,370\,064\,602\,491\,800\,394\,302\,769\,664\,y^9x^3 - \\
& 44\,740\,835\,813\,845\,318\,492\,266\,984\,839\,757\,253\,459\,663\,872\,y^8x^3 + \\
& 263\,128\,163\,062\,070\,335\,945\,843\,186\,700\,151\,838\,511\,923\,200\,y^7x^3 - \\
& 1\,122\,504\,425\,030\,383\,980\,747\,044\,115\,858\,105\,799\,963\,607\,040\,y^6x^3 + \\
& 3\,400\,041\,214\,554\,670\,520\,858\,816\,441\,950\,644\,010\,303\,488\,000\,y^5x^3 - \\
& 7\,044\,917\,908\,260\,974\,849\,499\,987\,770\,686\,880\,748\,503\,040\,000\,y^4x^3 + \\
& 9\,361\,940\,855\,899\,722\,985\,163\,859\,083\,842\,637\,463\,552\,000\,000\,y^3x^3 - \\
& 7\,062\,260\,873\,059\,938\,384\,157\,376\,236\,002\,682\,444\,185\,600\,000\,y^2x^3 + \\
& 2\,244\,215\,414\,123\,885\,149\,218\,710\,946\,388\,786\,544\,640\,000\,000\,yx^3 - 3\,865\,700\,559\,523\,061\,231\,973\,000\,y^{19}x^2 +
\end{aligned}$$

$$\begin{aligned}
& 11\,305\,466\,483\,173\,261\,541\,382\,240\,000\,y^{18}x^2 - 5\,471\,838\,278\,505\,840\,314\,043\,735\,014\,250\,y^{17}x^2 + \\
& 1\,043\,678\,593\,987\,384\,429\,585\,212\,787\,135\,050\,y^{16}x^2 - 104\,218\,804\,959\,392\,555\,668\,005\,836\,721\,655\,000\,y^{15}x^2 + \\
& 6\,274\,689\,409\,854\,134\,201\,882\,918\,063\,348\,453\,200\,y^{14}x^2 - \\
& 247\,334\,772\,310\,741\,178\,897\,788\,952\,920\,485\,479\,840\,y^{13}x^2 + \\
& 6\,723\,108\,545\,319\,274\,706\,967\,098\,481\,574\,143\,305\,600\,y^{12}x^2 - \\
& 130\,331\,897\,135\,650\,746\,600\,273\,269\,022\,540\,721\,035\,904\,y^{11}x^2 + \\
& 1\,840\,683\,259\,553\,074\,939\,308\,345\,734\,681\,016\,444\,712\,704\,y^{10}x^2 - \\
& 19\,168\,302\,101\,968\,416\,768\,119\,854\,716\,167\,157\,496\,476\,672\,y^9x^2 + \\
& 147\,806\,341\,260\,156\,072\,808\,113\,791\,987\,858\,944\,941\,424\,128\,y^8x^2 - \\
& 841\,134\,927\,900\,038\,368\,459\,382\,247\,203\,480\,513\,996\,660\,736\,y^7x^2 + \\
& 3\,491\,747\,804\,747\,426\,178\,935\,208\,695\,989\,819\,181\,756\,497\,920\,y^6x^2 - \\
& 10\,340\,732\,739\,656\,290\,757\,179\,646\,621\,375\,391\,007\,899\,648\,000\,y^5x^2 + \\
& 21\,033\,666\,053\,633\,208\,847\,189\,912\,879\,153\,771\,748\,966\,400\,000\,y^4x^2 - \\
& 27\,536\,889\,248\,613\,237\,102\,159\,392\,654\,846\,929\,085\,399\,040\,000\,y^3x^2 + \\
& 20\,529\,767\,967\,179\,059\,940\,102\,322\,477\,582\,534\,495\,436\,800\,000\,y^2x^2 - \\
& 6\,466\,779\,781\,856\,015\,650\,147\,303\,915\,765\,125\,611\,520\,000\,000\,yx^2 + 96\,588\,942\,662\,604\,426\,086\,052\,000\,y^{19}x - \\
& 101\,655\,167\,624\,747\,051\,357\,398\,356\,000\,y^{18}x + 31\,764\,510\,150\,241\,055\,752\,454\,464\,575\,000\,y^{17}x - \\
& 4\,642\,520\,874\,342\,959\,245\,153\,771\,242\,187\,200\,y^{16}x + 385\,747\,484\,092\,048\,745\,597\,160\,039\,258\,248\,800\,y^{15}x - \\
& 20\,278\,044\,642\,709\,963\,642\,314\,875\,294\,703\,409\,600\,y^{14}x + \\
& 720\,112\,930\,563\,606\,126\,583\,500\,777\,049\,626\,834\,560\,y^{13}x - \\
& 18\,024\,283\,384\,075\,238\,904\,377\,477\,202\,434\,560\,846\,592\,y^{12}x + \\
& 326\,937\,028\,584\,307\,354\,991\,663\,467\,485\,412\,510\,921\,216\,y^{11}x - \\
& 4\,373\,224\,518\,782\,088\,909\,237\,438\,987\,171\,385\,111\,532\,544\,y^{10}x + \\
& 43\,545\,979\,635\,584\,686\,417\,398\,789\,067\,590\,240\,642\,293\,760\,y^9x - \\
& 323\,525\,183\,406\,296\,892\,521\,624\,446\,317\,771\,999\,170\,580\,480\,y^8x + \\
& 1\,784\,985\,571\,411\,545\,779\,004\,701\,168\,819\,084\,269\,890\,109\,440\,y^7x - \\
& 7\,221\,292\,930\,634\,840\,217\,841\,403\,818\,273\,386\,713\,864\,601\,600\,y^6x + \\
& 20\,932\,932\,530\,690\,909\,650\,028\,408\,415\,925\,795\,073\,556\,480\,000\,y^5x - \\
& 41\,835\,088\,217\,559\,366\,669\,779\,487\,366\,063\,815\,186\,841\,600\,000\,y^4x + \\
& 53\,992\,098\,740\,377\,707\,698\,485\,761\,534\,300\,651\,887\,001\,600\,000\,y^3x - \\
& 39\,800\,835\,399\,994\,753\,513\,879\,440\,325\,248\,096\,927\,744\,000\,000\,y^2x + \\
& 12\,431\,242\,521\,037\,068\,789\,813\,395\,914\,277\,624\,217\,600\,000\,000\,yx + 188\,117\,230\,285\,769\,353\,569\,000\,y^{20} - \\
& 643\,041\,769\,077\,286\,300\,747\,525\,500\,y^{19} + 364\,033\,095\,307\,125\,286\,625\,460\,627\,750\,y^{18} - \\
& 81\,335\,501\,139\,051\,800\,558\,227\,681\,896\,525\,y^{17} + 9\,536\,243\,729\,971\,645\,844\,823\,068\,725\,121\,800\,y^{16} - \\
& 676\,318\,248\,197\,042\,272\,529\,378\,873\,141\,940\,000\,y^{15} + 31\,537\,679\,453\,650\,420\,069\,247\,891\,454\,129\,812\,320\,y^{14} - \\
& 1\,019\,715\,220\,492\,016\,139\,092\,701\,504\,111\,559\,646\,240\,y^{13} + \\
& 23\,676\,864\,260\,669\,702\,195\,481\,800\,898\,577\,585\,206\,656\,y^{12} - \\
& 404\,001\,534\,916\,209\,164\,804\,525\,470\,058\,891\,762\,866\,688\,y^{11} + \\
& 5\,138\,722\,693\,417\,041\,738\,130\,377\,137\,453\,393\,795\,165\,184\,y^{10} - \\
& 49\,073\,187\,332\,501\,243\,344\,290\,200\,879\,075\,928\,209\,438\,976\,y^9 + \\
& 352\,085\,294\,561\,649\,816\,099\,870\,747\,853\,260\,144\,536\,125\,440\,y^8 - \\
& 1\,886\,652\,581\,857\,561\,145\,816\,089\,208\,485\,018\,673\,143\,357\,440\,y^7 + \\
& 7\,448\,414\,715\,069\,459\,901\,864\,311\,078\,594\,817\,436\,300\,083\,200\,y^6 - \\
& 21\,156\,243\,355\,193\,676\,842\,619\,416\,766\,549\,748\,020\,387\,840\,000\,y^5 + \\
& 41\,575\,911\,442\,457\,907\,539\,271\,823\,143\,565\,700\,195\,942\,400\,000\,y^4 - \\
& 52\,927\,343\,544\,880\,047\,631\,371\,178\,050\,356\,749\,310\,361\,600\,000\,y^3 +
\end{aligned}$$

38 594 255 630 038 959 385 493 913 479 510 772 154 368 000 000 $y^2 -$
 11 956 111 822 042 547 266 910 778 510 061 810 483 200 000 000 y

We turn to the first example for Theorem 13.

ShowGraph[G3 = CompleteKPartiteGraph[2, 2, 2, 2]]



As above, we first compute the bivariate chromatic polynomial by the implementation "BivariatePolynomialAGM1".

Timing[BivariatePolynomialAGM1[G3, x, y]]

[Dauer

{16.3333, $x^8 - 24x^6y + 88x^5y + 156x^4y^2 - 306x^4y - 768x^3y^2 + 912x^3y - 272x^2y^3 +$
 $2320x^2y^2 - 2128x^2y + 1008xy^3 - 4392xy^2 + 3408xy + 60y^4 - 1332y^3 + 4059y^2 - 2790y$ }

The implementation "BivariatePolynomialAGM2" needs less time to compute the same polynomial.

Timing[BivariatePolynomialAGM2[G3, x, y]]

[Dauer

{0.156001, $x^8 - 24x^6y + 88x^5y + 156x^4y^2 - 306x^4y - 768x^3y^2 + 912x^3y - 272x^2y^3 +$
 $2320x^2y^2 - 2128x^2y + 1008xy^3 - 4392xy^2 + 3408xy + 60y^4 - 1332y^3 + 4059y^2 - 2790y$ }

Our own equation from Theorem 13 needs less time than the implementation "BivariatePolynomialAGM1".

Timing[Expand[Sum[Binomial[4, i] * Sum[Binomial[8 - 2 * i, 1] * (x - y) ^ (8 - 2 * i - 1) *

FunctionExpand[FactorialPower[y, i + 1], {1, 0, 8 - 2 * i}], {i, 0, 4}]]]

[multipliziere Funktio... [Faktorielle

{0., $x^8 - 24x^6y + 88x^5y + 156x^4y^2 - 306x^4y - 768x^3y^2 + 912x^3y - 272x^2y^3 +$
 $2320x^2y^2 - 2128x^2y + 1008xy^3 - 4392xy^2 + 3408xy + 60y^4 - 1332y^3 + 4059y^2 - 2790y$ }

$$\begin{aligned}
& 170\,578\,510\,024\,325\,160\,547\,062\,000\,y\,x^{44} - 61\,554\,025\,947\,691\,129\,881\,600\,y^8\,x^{43} + \\
& 5\,016\,467\,179\,765\,581\,405\,465\,600\,y^7\,x^{43} - 115\,596\,247\,132\,469\,740\,183\,747\,200\,y^6\,x^{43} + \\
& 1\,139\,840\,845\,541\,468\,165\,432\,937\,600\,y^5\,x^{43} - 5\,549\,218\,309\,878\,924\,034\,614\,405\,600\,y^4\,x^{43} + \\
& 13\,753\,006\,291\,573\,262\,728\,788\,009\,600\,y^3\,x^{43} - 16\,236\,840\,934\,842\,476\,174\,122\,204\,800\,y^2\,x^{43} + \\
& 7\,003\,853\,441\,590\,624\,132\,497\,984\,000\,y\,x^{43} - 27\,340\,697\,642\,334\,888\,926\,400\,y^9\,x^{42} + \\
& 8\,091\,154\,122\,016\,750\,935\,321\,600\,y^8\,x^{42} - 385\,931\,929\,668\,599\,531\,301\,084\,000\,y^7\,x^{42} + \\
& 6\,849\,742\,981\,148\,496\,501\,763\,891\,200\,y^6\,x^{42} - 57\,901\,666\,439\,378\,457\,429\,474\,440\,700\,y^5\,x^{42} + \\
& 255\,492\,111\,233\,807\,367\,684\,189\,188\,400\,y^4\,x^{42} - 593\,460\,639\,061\,495\,477\,842\,427\,726\,800\,y^3\,x^{42} + \\
& 671\,413\,215\,751\,465\,615\,131\,438\,475\,200\,y^2\,x^{42} - 282\,014\,896\,349\,316\,645\,627\,368\,256\,000\,y\,x^{42} + \\
& 6\,830\,750\,321\,130\,958\,165\,944\,000\,y^9\,x^{41} - 787\,976\,213\,017\,142\,551\,888\,886\,400\,y^8\,x^{41} + \\
& 26\,027\,345\,788\,684\,099\,593\,273\,540\,000\,y^7\,x^{41} - 376\,741\,419\,062\,186\,023\,928\,939\,656\,800\,y^6\,x^{41} + \\
& 2\,802\,823\,507\,612\,209\,314\,337\,678\,837\,900\,y^5\,x^{41} - 11\,364\,572\,065\,624\,755\,579\,243\,772\,729\,200\,y^4\,x^{41} + \\
& 24\,929\,903\,424\,818\,702\,821\,438\,244\,998\,800\,y^3\,x^{41} - 27\,142\,466\,115\,891\,962\,458\,542\,692\,203\,200\,y^2\,x^{41} + \\
& 11\,125\,806\,467\,822\,034\,717\,918\,885\,696\,000\,y\,x^{41} + 2\,314\,350\,247\,377\,360\,822\,870\,240\,y^{10}\,x^{40} - \\
& 948\,683\,736\,046\,780\,695\,767\,005\,200\,y^9\,x^{40} + 63\,097\,981\,385\,882\,367\,966\,867\,025\,200\,y^8\,x^{40} - \\
& 1\,584\,936\,592\,315\,990\,918\,447\,356\,393\,480\,y^7\,x^{40} + 19\,450\,317\,995\,470\,170\,455\,721\,709\,905\,270\,y^6\,x^{40} - \\
& 129\,867\,466\,637\,029\,132\,526\,764\,539\,797\,325\,y^5\,x^{40} + 489\,119\,038\,574\,573\,884\,376\,236\,355\,848\,620\,y^4\,x^{40} - \\
& 1\,019\,595\,043\,590\,472\,943\,685\,622\,730\,653\,020\,y^3\,x^{40} + 1\,072\,082\,295\,984\,784\,607\,429\,559\,359\,167\,440\,y^2\,x^{40} - \\
& 429\,666\,357\,347\,010\,744\,241\,200\,058\,339\,200\,y\,x^{40} - 611\,868\,890\,016\,939\,804\,273\,024\,000\,y^{10}\,x^{39} + \\
& 96\,331\,376\,141\,570\,065\,086\,816\,825\,600\,y^9\,x^{39} - 4\,381\,568\,818\,683\,609\,435\,317\,574\,796\,800\,y^8\,x^{39} + \\
& 88\,789\,648\,112\,680\,874\,695\,133\,176\,579\,200\,y^7\,x^{39} - 949\,851\,957\,417\,655\,690\,041\,958\,370\,347\,200\,y^6\,x^{39} + \\
& 5\,777\,788\,714\,401\,458\,945\,342\,053\,993\,266\,000\,y^5\,x^{39} - 20\,388\,710\,972\,235\,660\,711\,447\,761\,018\,529\,600\,y^4\,x^{39} + \\
& 40\,595\,443\,896\,430\,061\,145\,621\,311\,698\,468\,800\,y^3\,x^{39} - 41\,348\,315\,347\,345\,080\,314\,851\,435\,442\,208\,000\,y^2\,x^{39} + \\
& 16\,229\,141\,867\,365\,627\,938\,262\,720\,715\,520\,000\,y\,x^{39} - 161\,343\,610\,532\,533\,042\,805\,318\,400\,y^{11}\,x^{38} + \\
& 88\,720\,188\,633\,858\,028\,045\,518\,720\,000\,y^{10}\,x^{38} - 7\,954\,359\,643\,677\,261\,642\,139\,923\,811\,200\,y^9\,x^{38} + \\
& 272\,215\,497\,251\,031\,755\,802\,833\,410\,358\,400\,y^8\,x^{38} - 4\,633\,202\,337\,301\,741\,582\,306\,196\,444\,775\,600\,y^7\,x^{38} + \\
& 44\,113\,026\,030\,177\,645\,957\,889\,697\,631\,170\,400\,y^6\,x^{38} - 247\,360\,204\,177\,439\,061\,842\,277\,796\,058\,425\,200\,y^5\,x^{38} + \\
& 823\,642\,941\,368\,427\,758\,689\,568\,368\,885\,646\,400\,y^4\,x^{38} - \\
& 1\,573\,152\,389\,069\,261\,277\,097\,926\,429\,570\,792\,000\,y^3\,x^{38} + \\
& 1\,556\,159\,403\,203\,562\,819\,046\,449\,567\,091\,680\,000\,y^2\,x^{38} - \\
& 599\,033\,924\,714\,618\,521\,232\,875\,185\,542\,400\,000\,y\,x^{38} + 44\,575\,848\,758\,510\,486\,962\,665\,120\,000\,y^{11}\,x^{37} - \\
& 9\,299\,765\,444\,648\,076\,095\,455\,258\,300\,800\,y^{10}\,x^{37} + 564\,226\,505\,839\,482\,379\,207\,976\,676\,643\,200\,y^9\,x^{37} - \\
& 15\,434\,889\,391\,883\,283\,959\,724\,697\,137\,528\,000\,y^8\,x^{37} + 227\,145\,527\,884\,924\,325\,954\,347\,371\,893\,701\,200\,y^7\,x^{37} - \\
& 1\,955\,790\,267\,950\,726\,578\,947\,217\,447\,344\,684\,600\,y^6\,x^{37} + \\
& 10\,206\,166\,948\,072\,715\,991\,732\,830\,541\,105\,742\,800\,y^5\,x^{37} - \\
& 32\,254\,877\,163\,621\,845\,488\,177\,427\,736\,329\,071\,200\,y^4\,x^{37} + \\
& 59\,314\,223\,903\,905\,986\,727\,435\,030\,756\,909\,886\,400\,y^3\,x^{37} - \\
& 57\,110\,645\,964\,912\,794\,851\,981\,553\,717\,629\,536\,000\,y^2\,x^{37} + \\
& 21\,588\,656\,934\,697\,379\,565\,544\,313\,281\,393\,920\,000\,y\,x^{37} + 9\,292\,895\,144\,493\,230\,348\,007\,384\,000\,y^{12}\,x^{36} - \\
& 6\,677\,072\,939\,853\,213\,858\,643\,144\,862\,400\,y^{11}\,x^{36} + 785\,084\,922\,808\,597\,351\,508\,144\,811\,234\,000\,y^{10}\,x^{36} - \\
& 35\,514\,706\,886\,271\,088\,599\,809\,727\,561\,748\,800\,y^9\,x^{36} + 809\,491\,947\,226\,590\,670\,027\,979\,663\,915\,945\,700\,y^8\,x^{36} - \\
& 10\,526\,432\,799\,940\,801\,182\,909\,857\,247\,062\,502\,300\,y^7\,x^{36} + \\
& 83\,006\,471\,786\,253\,791\,987\,081\,672\,623\,017\,944\,475\,y^6\,x^{36} - \\
& 406\,256\,888\,704\,395\,102\,780\,312\,922\,613\,086\,029\,450\,y^5\,x^{36} + \\
& 1\,224\,595\,495\,607\,103\,313\,055\,825\,996\,262\,036\,625\,500\,y^4\,x^{36} - \\
& 2\,174\,949\,520\,251\,331\,037\,660\,988\,504\,027\,012\,955\,800\,y^3\,x^{36} +
\end{aligned}$$

2 042 354 469 278 355 478 480 244 449 368 286 812 000 $y^2 x^{36} -$
 758 998 350 573 528 725 369 660 437 217 771 040 000 $y x^{36} - 2 653 436 003 968 626 761 233 523 865 600 y^{12} x^{35} +$
 715 938 854 497 516 198 658 897 071 764 480 $y^{11} x^{35} - 56 457 019 036 712 057 353 596 510 633 043 200 y^{10} x^{35} +$
 2 025 458 027 148 670 044 430 483 339 539 955 200 $y^9 x^{35} -$
 39 636 493 286 401 048 829 924 291 592 847 115 520 $y^8 x^{35} +$
 463 149 564 037 484 537 725 605 871 666 324 712 640 $y^7 x^{35} -$
 3 378 948 715 345 405 085 894 319 495 273 418 640 400 $y^6 x^{35} +$
 15 610 555 151 280 569 985 609 755 006 833 798 365 408 $y^5 x^{35} -$
 45 069 626 123 722 624 012 116 188 423 770 248 770 880 $y^4 x^{35} +$
 77 519 654 156 160 223 845 756 529 897 094 482 327 680 $y^3 x^{35} -$
 71 115 453 816 971 777 807 492 045 542 632 961 651 200 $y^2 x^{35} +$
 26 008 336 563 554 399 133 706 920 186 890 540 544 000 $y x^{35} - 442 769 632 412 779 054 612 179 014 400 y^{13} x^{34} +$
 406 670 841 123 336 217 714 161 406 003 200 $y^{12} x^{34} - 61 294 616 780 154 798 030 768 886 369 060 800 y^{11} x^{34} +$
 3 575 934 732 460 483 778 655 996 986 506 646 400 $y^{10} x^{34} -$
 106 153 109 544 936 676 559 083 747 045 357 712 400 $y^9 x^{34} +$
 1 824 114 604 554 788 240 365 307 467 730 717 126 400 $y^8 x^{34} -$
 19 409 177 047 141 381 310 994 127 037 980 304 445 300 $y^7 x^{34} +$
 132 104 898 265 772 773 365 289 174 109 009 672 389 800 $y^6 x^{34} -$
 579 240 268 605 958 114 602 641 385 151 981 532 694 000 $y^5 x^{34} +$
 1 607 515 868 903 025 943 203 668 758 694 672 686 130 400 $y^4 x^{34} -$
 2 684 000 187 577 381 366 966 025 266 446 079 629 100 800 $y^3 x^{34} +$
 2 409 160 876 489 394 923 485 572 454 407 307 648 192 000 $y^2 x^{34} -$
 867 853 486 969 066 380 558 581 258 371 274 442 240 000 $y x^{34} +$
 129 352 906 194 766 677 453 810 402 604 800 $y^{13} x^{33} - 44 224 495 432 381 976 437 153 550 379 129 600 y^{12} x^{33} +$
 4 436 147 413 630 129 200 122 577 649 777 185 600 $y^{11} x^{33} -$
 203 849 886 370 383 247 979 324 411 448 029 452 800 $y^{10} x^{33} +$
 5 163 508 423 583 111 777 911 657 903 536 981 571 600 $y^9 x^{33} -$
 79 284 508 220 992 443 742 191 343 201 156 859 324 400 $y^8 x^{33} +$
 776 489 317 277 655 540 471 630 640 584 348 898 493 100 $y^7 x^{33} -$
 4 964 921 328 548 223 919 050 846 744 256 976 353 281 720 $y^6 x^{33} +$
 20 756 723 722 705 702 069 557 057 317 322 259 693 477 200 $y^5 x^{33} -$
 55 543 676 304 791 783 941 220 636 766 176 061 872 196 000 $y^4 x^{33} +$
 90 212 099 319 190 245 320 452 611 265 753 731 344 601 600 $y^3 x^{33} -$
 79 335 528 461 085 669 379 996 053 483 875 902 233 024 000 $y^2 x^{33} +$
 28 173 134 192 883 582 921 056 508 182 050 624 366 080 000 $y x^{33} +$
 17 444 022 607 224 889 830 340 030 339 200 $y^{14} x^{32} - 20 102 837 124 561 212 478 617 192 314 900 800 y^{13} x^{32} +$
 3 810 134 780 313 335 452 594 078 361 284 932 000 $y^{12} x^{32} -$
 280 844 593 802 733 720 403 879 687 060 700 691 600 $y^{11} x^{32} +$
 10 613 745 892 614 984 914 080 700 321 913 246 641 400 $y^{10} x^{32} -$
 234 778 335 398 234 065 516 310 243 508 865 366 755 900 $y^9 x^{32} +$
 3 266 176 852 460 045 366 046 752 209 315 069 020 526 350 $y^8 x^{32} -$
 29 703 718 146 812 692 092 610 576 496 142 773 574 198 675 $y^7 x^{32} +$
 179 470 108 441 227 818 554 485 500 215 163 339 975 688 750 $y^6 x^{32} -$
 718 234 815 080 462 255 211 613 341 665 054 586 146 195 700 $y^5 x^{32} +$
 1 858 225 418 165 311 300 542 364 547 660 707 224 243 558 600 $y^4 x^{32} -$
 2 941 241 431 887 271 203 415 548 501 450 598 289 409 110 400 $y^3 x^{32} +$

2 537 349 454 247 502 162 049 883 270 804 820 231 961 776 000 $y^2 x^{32} -$
 888 906 750 947 905 141 190 066 484 996 555 404 008 320 000 $y x^{32} -$
 5 165 388 647 678 680 781 193 054 369 792 000 $y^{14} x^{31} +$
 2 199 112 621 095 330 455 775 820 988 301 619 200 $y^{13} x^{31} -$
 275 537 553 689 718 890 705 567 999 338 548 940 800 $y^{12} x^{31} +$
 15 901 390 810 406 334 542 703 051 661 970 404 838 400 $y^{11} x^{31} -$
 510 000 192 224 822 751 532 709 578 687 607 873 203 200 $y^{10} x^{31} +$
 10 030 690 030 093 827 804 182 207 834 786 987 812 512 000 $y^9 x^{31} -$
 127 855 867 026 120 614 851 424 108 053 853 762 109 100 800 $y^8 x^{31} +$
 1 087 702 134 117 601 921 910 726 446 332 219 928 559 630 400 $y^7 x^{31} -$
 6 241 069 388 475 904 607 989 000 318 142 104 020 934 677 120 $y^6 x^{31} +$
 23 991 255 716 454 246 908 927 237 774 366 510 805 554 323 200 $y^5 x^{31} -$
 60 155 520 884 831 291 066 171 278 005 384 628 215 156 518 400 $y^4 x^{31} +$
 92 943 931 346 102 020 785 778 685 501 075 972 075 926 118 400 $y^3 x^{31} -$
 78 739 299 805 569 458 140 711 325 695 116 953 848 697 856 000 $y^2 x^{31} +$
 27 231 320 431 343 831 858 990 425 136 605 467 352 965 120 000 $y x^{31} -$
 567 120 610 967 027 070 864 581 242 490 880 $y^{15} x^{30} + 807 028 388 125 713 034 428 984 636 428 697 600 y^{14} x^{30} -$
 189 208 903 997 939 758 004 717 385 218 367 052 800 $y^{13} x^{30} +$
 17 317 116 752 560 215 112 316 603 644 426 046 776 320 $y^{12} x^{30} -$
 817 519 213 783 812 650 212 795 109 511 543 712 623 360 $y^{11} x^{30} +$
 22 785 919 987 630 518 199 959 871 759 951 740 203 276 800 $y^{10} x^{30} -$
 404 218 806 924 920 657 473 590 734 308 440 312 082 175 040 $y^9 x^{30} +$
 4 764 574 529 207 270 857 454 792 013 565 189 645 197 533 760 $y^8 x^{30} -$
 38 152 896 923 685 730 244 953 021 731 009 663 435 316 057 920 $y^7 x^{30} +$
 208 787 779 724 419 997 419 125 238 514 088 223 148 709 577 344 $y^6 x^{30} -$
 773 252 966 211 556 443 672 499 044 976 383 235 912 254 908 160 $y^5 x^{30} +$
 1 882 997 763 782 112 173 627 706 989 397 349 641 544 149 035 520 $y^4 x^{30} -$
 2 844 099 765 649 880 072 756 209 297 204 940 642 476 919 685 120 $y^3 x^{30} +$
 2 368 453 646 053 326 748 345 168 927 268 418 127 550 703 820 800 $y^2 x^{30} -$
 809 115 902 026 507 179 453 660 839 945 231 741 348 438 016 000 $y x^{30} +$
 168 681 922 803 326 728 330 575 008 638 464 000 $y^{15} x^{29} -$
 88 094 773 298 295 085 603 459 100 546 215 065 600 $y^{14} x^{29} +$
 13 573 585 460 768 885 958 503 596 653 904 685 644 800 $y^{13} x^{29} -$
 967 501 730 276 974 486 264 217 425 448 042 554 099 200 $y^{12} x^{29} +$
 38 575 513 727 808 476 494 782 811 249 152 744 139 603 200 $y^{11} x^{29} -$
 951 769 746 725 430 464 555 180 395 128 506 634 864 374 400 $y^{10} x^{29} +$
 15 406 951 698 497 073 806 571 411 885 433 648 093 340 500 800 $y^9 x^{29} -$
 169 235 053 780 408 497 163 749 346 373 458 423 771 202 610 720 $y^8 x^{29} +$
 1 282 353 368 525 026 505 346 968 321 320 250 899 751 843 228 160 $y^7 x^{29} -$
 6 717 816 794 275 554 121 330 228 707 570 756 546 965 824 131 840 $y^6 x^{29} +$
 24 033 286 974 358 327 966 982 250 000 382 738 412 050 628 966 400 $y^5 x^{29} -$
 56 945 758 153 146 769 631 924 463 077 457 166 283 388 427 123 200 $y^4 x^{29} +$
 84 193 358 171 716 732 161 715 973 680 777 781 853 272 532 480 000 $y^3 x^{29} -$
 68 982 117 304 973 761 163 763 603 968 090 210 627 987 082 240 000 $y^2 x^{29} +$
 23 291 435 988 126 978 235 899 434 147 300 755 212 367 257 600 000 $y x^{29} +$
 15 159 589 879 155 971 784 345 138 385 785 600 $y^{16} x^{28} -$

26270970956608637931991063798055040000 $y^{15}x^{28} +$
 7511521399515125795198270247887530195200 $y^{14}x^{28} -$
 840986568150446673116653229701265012256000 $y^{13}x^{28} +$
 48802499147352732889927476886250156398317600 $y^{12}x^{28} -$
 1683606204223217257080405898886734617311246400 $y^{11}x^{28} +$
 37316779176192426376287707127763604550492339600 $y^{10}x^{28} -$
 556525916388241039180156817039904258445420282800 $y^9x^{28} +$
 5733967459297812733099917975943954216061305605315 $y^8x^{28} -$
 41301652121287259094918500086302393978708840671400 $y^7x^{28} +$
 207798315745481649178270405029314890368125551193880 $y^6x^{28} -$
 719796625278131266747058522049474238491009307435200 $y^5x^{28} +$
 1662288643303120652794623222611108952447756895978800 $y^4x^{28} -$
 2408578640353318783815169233932653124787656216784000 $y^3x^{28} +$
 1943178273004582995312557039814427252283970901920000 $y^2x^{28} -$
 648801436985327373321777992970618328115730105600000 $yx^{28} -$
 4488986585335745451676422152318976000 $y^{16}x^{27} +$
 2838477191054602365610918193935977676800 $y^{15}x^{27} -$
 530595808498994712949983988016183513395200 $y^{14}x^{27} +$
 46046405809681877577115631474973157910016000 $y^{13}x^{27} -$
 2247049472202326564427000445207016634595251200 $y^{12}x^{27} +$
 6835018476210105173030595154155926088777164800 $y^{11}x^{27} -$
 1377344045402574453810298663714791020532784825600 $y^{10}x^{27} +$
 19076594667119379013157093075273238027509275272960 $y^9x^{27} -$
 185389355435910875894097614518436027489241736875840 $y^8x^{27} +$
 127441879707305262551936127910697670059640112652800 $y^7x^{27} -$
 6175656951563339682086742356034256815168770521797120 $y^6x^{27} +$
 20755661671570875024503768376497989062659072608972800 $y^5x^{27} -$
 46788208110974154638175450549561807792156998901273600 $y^4x^{27} +$
 66511557635315715183637237266694626479595017284608000 $y^3x^{27} -$
 52876927401403254223302270205224067439473076951040000 $y^2x^{27} +$
 17466778316141365893093754150086795362580441907200000 $yx^{27} -$
 331419028925252240779153406419584000 $y^{17}x^{26} +$
 690970277061126012771067658441025945600 $y^{16}x^{26} -$
 237967933429206940902516652202869175424000 $y^{15}x^{26} +$
 32172045181808913525698310042069411827404800 $y^{14}x^{26} -$
 2263347248220483678823677609771753426059644800 $y^{13}x^{26} +$
 95192643338453856479172461636933297614287628800 $y^{12}x^{26} -$
 2591789537729981200337445026751736258892302977600 $y^{11}x^{26} +$
 47955024793016778248225449651052949781455810624000 $y^{10}x^{26} -$
 621035254186150808996129749610663005863492785513700 $y^9x^{26} +$
 5720042831046701975334036710342490606842649520841760 $y^8x^{26} -$
 37657132955272231618047466796108528191940034304284960 $y^7x^{26} +$
 17620364231546116892083152506199233523434649091288320 $y^6x^{26} -$
 575654421199303765069337064234990331043168887485057600 $y^5x^{26} +$
 1268399505210446000752752223405125314365271549751360000 $y^4x^{26} -$
 1770718121658536654650192182278648901380472828796800000 $y^3x^{26} +$

$$\begin{aligned}
& 1\ 388\ 139\ 693\ 618\ 157\ 206\ 110\ 209\ 853\ 145\ 173\ 794\ 285\ 167\ 168\ 844\ 800\ 000\ y^2 x^{26} - \\
& 453\ 857\ 629\ 104\ 298\ 420\ 530\ 213\ 222\ 402\ 240\ 164\ 565\ 353\ 601\ 024\ 000\ 000\ y x^{26} + \\
& 96\ 824\ 394\ 340\ 846\ 526\ 858\ 871\ 132\ 285\ 622\ 502\ 400\ y^{17} x^{25} - \\
& 73\ 279\ 426\ 440\ 366\ 534\ 510\ 360\ 120\ 819\ 408\ 860\ 344\ 320\ y^{16} x^{25} + \\
& 16\ 422\ 846\ 809\ 617\ 913\ 451\ 943\ 433\ 315\ 380\ 537\ 181\ 875\ 200\ y^{15} x^{25} - \\
& 1\ 713\ 722\ 353\ 302\ 459\ 891\ 032\ 277\ 466\ 982\ 551\ 640\ 556\ 825\ 600\ y^{14} x^{25} + \\
& 100\ 992\ 915\ 285\ 861\ 344\ 348\ 594\ 303\ 380\ 967\ 588\ 397\ 448\ 191\ 360\ y^{13} x^{25} - \\
& 3\ 731\ 780\ 378\ 983\ 023\ 480\ 755\ 482\ 387\ 048\ 109\ 238\ 985\ 372\ 112\ 640\ y^{12} x^{25} + \\
& 92\ 067\ 651\ 467\ 693\ 925\ 055\ 265\ 257\ 342\ 121\ 545\ 283\ 507\ 320\ 555\ 200\ y^{11} x^{25} - \\
& 1\ 577\ 134\ 725\ 880\ 033\ 184\ 994\ 257\ 300\ 288\ 036\ 513\ 313\ 208\ 502\ 743\ 872\ y^{10} x^{25} + \\
& 19\ 208\ 577\ 366\ 773\ 871\ 775\ 390\ 215\ 904\ 433\ 697\ 206\ 700\ 126\ 138\ 323\ 460\ y^9 x^{25} - \\
& 168\ 379\ 860\ 495\ 748\ 263\ 270\ 794\ 499\ 537\ 641\ 419\ 162\ 299\ 906\ 448\ 661\ 280\ y^8 x^{25} + \\
& 1\ 064\ 841\ 490\ 216\ 498\ 875\ 693\ 327\ 728\ 499\ 018\ 866\ 355\ 114\ 999\ 406\ 399\ 008\ y^7 x^{25} - \\
& 4\ 822\ 022\ 129\ 921\ 575\ 024\ 571\ 735\ 087\ 492\ 885\ 776\ 278\ 859\ 647\ 741\ 635\ 328\ y^6 x^{25} + \\
& 15\ 338\ 966\ 454\ 725\ 393\ 563\ 829\ 441\ 012\ 730\ 496\ 010\ 833\ 203\ 137\ 295\ 543\ 360\ y^5 x^{25} - \\
& 33\ 076\ 586\ 161\ 675\ 487\ 149\ 973\ 568\ 425\ 991\ 414\ 159\ 886\ 773\ 105\ 940\ 769\ 280\ y^4 x^{25} + \\
& 45\ 387\ 491\ 650\ 551\ 938\ 963\ 887\ 898\ 316\ 563\ 414\ 417\ 968\ 953\ 403\ 032\ 038\ 400\ y^3 x^{25} - \\
& 35\ 108\ 171\ 646\ 086\ 194\ 656\ 552\ 211\ 804\ 412\ 861\ 802\ 199\ 617\ 758\ 057\ 472\ 000\ y^2 x^{25} + \\
& 11\ 366\ 140\ 324\ 877\ 648\ 544\ 699\ 215\ 945\ 936\ 787\ 283\ 431\ 688\ 166\ 031\ 360\ 000\ y x^{25} + \\
& 5\ 883\ 554\ 198\ 447\ 894\ 410\ 847\ 448\ 734\ 497\ 497\ 600\ y^{18} x^{24} - \\
& 14\ 599\ 832\ 105\ 963\ 168\ 557\ 008\ 541\ 160\ 857\ 436\ 332\ 800\ y^{17} x^{24} + \\
& 5\ 990\ 482\ 049\ 199\ 583\ 575\ 301\ 451\ 091\ 517\ 244\ 345\ 971\ 200\ y^{16} x^{24} - \\
& 966\ 908\ 668\ 215\ 702\ 912\ 789\ 715\ 321\ 991\ 458\ 655\ 497\ 824\ 000\ y^{15} x^{24} + \\
& 81\ 479\ 295\ 481\ 885\ 324\ 730\ 111\ 315\ 377\ 097\ 402\ 087\ 865\ 931\ 200\ y^{14} x^{24} - \\
& 4\ 123\ 761\ 179\ 997\ 376\ 875\ 985\ 141\ 581\ 363\ 949\ 904\ 158\ 897\ 917\ 600\ y^{13} x^{24} + \\
& 135\ 944\ 273\ 427\ 444\ 346\ 013\ 079\ 734\ 332\ 140\ 785\ 009\ 635\ 772\ 282\ 400\ y^{12} x^{24} - \\
& 3\ 070\ 102\ 397\ 975\ 620\ 046\ 133\ 654\ 701\ 914\ 757\ 508\ 242\ 172\ 788\ 334\ 000\ y^{11} x^{24} + \\
& 49\ 033\ 162\ 631\ 365\ 621\ 899\ 486\ 819\ 102\ 817\ 268\ 376\ 077\ 058\ 440\ 164\ 050\ y^{10} x^{24} - \\
& 564\ 464\ 545\ 504\ 201\ 347\ 454\ 516\ 877\ 065\ 341\ 459\ 373\ 142\ 586\ 874\ 833\ 675\ y^9 x^{24} + \\
& 4\ 726\ 410\ 504\ 680\ 133\ 906\ 746\ 593\ 883\ 211\ 908\ 645\ 313\ 018\ 934\ 045\ 621\ 800\ y^8 x^{24} - \\
& 28\ 790\ 463\ 430\ 080\ 111\ 269\ 665\ 092\ 756\ 798\ 396\ 763\ 565\ 152\ 329\ 317\ 539\ 800\ y^7 x^{24} + \\
& 126\ 429\ 038\ 468\ 348\ 314\ 591\ 746\ 511\ 184\ 294\ 669\ 659\ 854\ 462\ 791\ 288\ 354\ 400\ y^6 x^{24} - \\
& 392\ 183\ 790\ 604\ 063\ 865\ 157\ 645\ 330\ 637\ 290\ 222\ 881\ 889\ 836\ 811\ 913\ 633\ 200\ y^5 x^{24} + \\
& 828\ 575\ 982\ 187\ 305\ 577\ 566\ 437\ 485\ 727\ 125\ 588\ 514\ 694\ 026\ 944\ 133\ 308\ 800\ y^4 x^{24} - \\
& 1\ 118\ 476\ 679\ 863\ 328\ 103\ 907\ 987\ 478\ 791\ 817\ 086\ 086\ 688\ 741\ 712\ 271\ 264\ 000\ y^3 x^{24} + \\
& 854\ 161\ 077\ 696\ 695\ 501\ 193\ 773\ 875\ 047\ 758\ 833\ 331\ 562\ 365\ 507\ 761\ 920\ 000\ y^2 x^{24} - \\
& 273\ 923\ 205\ 375\ 317\ 245\ 726\ 544\ 806\ 674\ 589\ 845\ 156\ 990\ 557\ 043\ 609\ 600\ 000\ y x^{24} - \\
& 1\ 680\ 005\ 938\ 523\ 834\ 559\ 460\ 298\ 996\ 612\ 000\ 563\ 200\ y^{18} x^{23} + \\
& 1\ 506\ 404\ 401\ 125\ 096\ 006\ 803\ 004\ 962\ 562\ 568\ 950\ 681\ 600\ y^{17} x^{23} - \\
& 400\ 544\ 935\ 065\ 173\ 628\ 075\ 748\ 897\ 908\ 285\ 702\ 012\ 518\ 400\ y^{16} x^{23} + \\
& 49\ 710\ 644\ 090\ 944\ 024\ 460\ 724\ 868\ 153\ 000\ 789\ 714\ 825\ 728\ 000\ y^{15} x^{23} - \\
& 3\ 496\ 743\ 813\ 598\ 450\ 911\ 111\ 512\ 769\ 779\ 944\ 318\ 524\ 039\ 014\ 400\ y^{14} x^{23} + \\
& 154\ 978\ 386\ 354\ 812\ 344\ 782\ 920\ 843\ 754\ 787\ 460\ 925\ 799\ 285\ 747\ 200\ y^{13} x^{23} - \\
& 4\ 615\ 501\ 751\ 993\ 440\ 478\ 639\ 422\ 606\ 954\ 767\ 168\ 886\ 197\ 607\ 756\ 800\ y^{12} x^{23} + \\
& 96\ 229\ 426\ 517\ 203\ 869\ 919\ 000\ 975\ 776\ 172\ 925\ 453\ 597\ 092\ 790\ 995\ 200\ y^{11} x^{23} - \\
& 1\ 441\ 553\ 616\ 608\ 205\ 080\ 597\ 594\ 416\ 670\ 984\ 480\ 848\ 782\ 668\ 414\ 865\ 600\ y^{10} x^{23} +
\end{aligned}$$

$$\begin{aligned}
& 15\,754\,042\,066\,307\,997\,426\,725\,920\,931\,486\,420\,509\,783\,353\,694\,869\,795\,600\,y^9x^{23} - \\
& 126\,411\,550\,626\,042\,579\,944\,109\,121\,105\,094\,022\,377\,453\,779\,045\,918\,454\,400\,y^8x^{23} + \\
& 743\,488\,289\,097\,751\,053\,073\,656\,491\,930\,888\,943\,004\,527\,697\,548\,711\,350\,400\,y^7x^{23} - \\
& 3\,171\,870\,262\,932\,704\,396\,375\,883\,754\,156\,404\,710\,454\,467\,582\,577\,712\,588\,800\,y^6x^{23} + \\
& 9\,607\,909\,492\,455\,982\,073\,223\,256\,709\,667\,741\,584\,160\,469\,727\,700\,118\,790\,400\,y^5x^{23} - \\
& 19\,908\,345\,054\,456\,089\,981\,121\,159\,426\,027\,227\,307\,980\,038\,211\,342\,903\,961\,600\,y^4x^{23} + \\
& 26\,456\,780\,943\,599\,764\,072\,866\,637\,069\,391\,333\,060\,023\,909\,058\,092\,174\,848\,000\,y^3x^{23} - \\
& 19\,958\,335\,365\,292\,855\,424\,749\,098\,819\,180\,086\,669\,015\,794\,648\,292\,413\,440\,000\,y^2x^{23} + \\
& 6\,342\,379\,254\,248\,776\,035\,156\,964\,252\,196\,712\,120\,644\,933\,673\,915\,187\,200\,000\,yx^{23} - \\
& 84\,033\,227\,383\,037\,958\,792\,369\,746\,456\,693\,452\,800\,y^{19}x^{22} + \\
& 245\,828\,143\,182\,527\,217\,874\,426\,973\,388\,340\,038\,451\,200\,y^{18}x^{22} - \\
& 119\,008\,827\,795\,333\,077\,391\,098\,810\,926\,204\,317\,038\,592\,000\,y^{17}x^{22} + \\
& 22\,703\,923\,388\,783\,462\,953\,734\,245\,061\,855\,415\,406\,076\,825\,600\,y^{16}x^{22} - \\
& 2\,267\,546\,226\,694\,365\,004\,213\,185\,168\,684\,493\,053\,644\,553\,945\,600\,y^{15}x^{22} + \\
& 136\,542\,485\,265\,264\,366\,760\,522\,030\,718\,127\,266\,600\,388\,558\,566\,400\,y^{14}x^{22} - \\
& 5\,382\,913\,157\,884\,496\,504\,328\,092\,036\,488\,026\,284\,238\,005\,827\,680\,000\,y^{13}x^{22} + \\
& 146\,336\,048\,603\,946\,559\,342\,672\,622\,099\,183\,680\,979\,148\,884\,376\,979\,200\,y^{12}x^{22} - \\
& 2\,837\,098\,053\,980\,265\,940\,929\,841\,725\,537\,871\,077\,363\,264\,136\,872\,260\,400\,y^{11}x^{22} + \\
& 40\,071\,851\,853\,460\,515\,065\,831\,888\,431\,178\,770\,844\,105\,498\,883\,608\,812\,800\,y^{10}x^{22} - \\
& 417\,326\,285\,200\,943\,870\,879\,129\,281\,719\,672\,289\,259\,481\,504\,219\,448\,162\,800\,y^9x^{22} + \\
& 3\,218\,196\,346\,204\,021\,360\,316\,488\,045\,983\,710\,496\,278\,638\,366\,306\,763\,644\,800\,y^8x^{22} - \\
& 18\,315\,073\,306\,487\,869\,022\,906\,257\,616\,997\,136\,708\,911\,108\,439\,596\,894\,633\,600\,y^7x^{22} + \\
& 76\,033\,671\,792\,468\,538\,062\,982\,648\,568\,002\,566\,862\,559\,997\,933\,571\,792\,204\,800\,y^6x^{22} - \\
& 225\,180\,846\,233\,506\,446\,329\,258\,861\,173\,469\,541\,520\,270\,556\,452\,577\,564\,256\,000\,y^5x^{22} + \\
& 458\,046\,297\,943\,544\,112\,431\,824\,231\,483\,096\,440\,092\,493\,103\,707\,976\,422\,758\,400\,y^4x^{22} - \\
& 599\,682\,001\,915\,756\,429\,550\,013\,437\,263\,944\,630\,889\,029\,513\,378\,543\,370\,752\,000\,y^3x^{22} + \\
& 447\,094\,719\,289\,131\,597\,726\,732\,024\,107\,523\,526\,971\,987\,427\,028\,308\,930\,560\,000\,y^2x^{22} - \\
& 140\,835\,013\,471\,629\,031\,318\,860\,547\,101\,040\,335\,222\,598\,605\,863\,087\,308\,800\,000\,yx^{22} + \\
& 23\,217\,575\,348\,451\,328\,487\,655\,317\,780\,274\,928\,128\,000\,y^{19}x^{21} - \\
& 24\,441\,673\,077\,949\,096\,055\,580\,671\,928\,962\,335\,809\,484\,800\,y^{18}x^{21} + \\
& 7\,639\,060\,609\,023\,095\,243\,873\,091\,049\,376\,169\,984\,255\,590\,400\,y^{17}x^{21} - \\
& 1\,116\,695\,486\,289\,957\,431\,714\,386\,699\,079\,377\,536\,324\,796\,569\,600\,y^{16}x^{21} + \\
& 92\,801\,690\,398\,224\,437\,072\,828\,788\,866\,836\,562\,085\,139\,076\,288\,000\,y^{15}x^{21} - \\
& 4\,879\,116\,406\,661\,288\,003\,499\,256\,147\,834\,465\,297\,089\,179\,460\,153\,600\,y^{14}x^{21} + \\
& 173\,288\,530\,819\,811\,171\,929\,061\,769\,274\,652\,433\,614\,890\,617\,164\,716\,800\,y^{13}x^{21} - \\
& 4\,337\,847\,020\,510\,214\,809\,389\,905\,974\,732\,075\,164\,583\,423\,247\,888\,355\,200\,y^{12}x^{21} + \\
& 78\,690\,299\,400\,722\,139\,921\,296\,326\,366\,991\,908\,560\,084\,570\,623\,437\,597\,200\,y^{11}x^{21} - \\
& 1\,052\,675\,111\,140\,304\,504\,230\,383\,938\,557\,766\,421\,358\,846\,269\,705\,005\,345\,400\,y^{10}x^{21} + \\
& 10\,482\,658\,393\,015\,008\,308\,701\,672\,179\,404\,138\,876\,772\,690\,679\,982\,666\,804\,400\,y^9x^{21} - \\
& 77\,885\,766\,718\,833\,604\,285\,236\,114\,276\,171\,181\,389\,515\,844\,001\,149\,623\,611\,200\,y^8x^{21} + \\
& 429\,741\,879\,740\,739\,299\,560\,768\,074\,082\,132\,861\,034\,454\,326\,549\,451\,398\,467\,200\,y^7x^{21} - \\
& 1\,738\,631\,775\,844\,214\,070\,266\,340\,354\,890\,122\,300\,767\,234\,395\,445\,233\,841\,763\,200\,y^6x^{21} + \\
& 5\,040\,103\,510\,126\,120\,404\,016\,067\,500\,667\,037\,894\,660\,083\,638\,994\,792\,051\,577\,600\,y^5x^{21} - \\
& 10\,073\,122\,749\,036\,268\,524\,517\,967\,021\,296\,412\,955\,977\,094\,234\,282\,281\,881\,190\,400\,y^4x^{21} + \\
& 13\,000\,655\,155\,569\,290\,722\,448\,082\,977\,627\,083\,933\,657\,433\,204\,908\,401\,203\,712\,000\,y^3x^{21} - \\
& 9\,583\,772\,522\,379\,937\,650\,080\,322\,158\,429\,007\,618\,676\,728\,962\,706\,043\,023\,360\,000\,y^2x^{21} +
\end{aligned}$$

$$\begin{aligned}
& 2\,993\,407\,764\,307\,741\,484\,691\,391\,976\,155\,994\,060\,186\,034\,856\,216\,456\,396\,800\,000\,y\,x^{21} + \\
& 954\,318\,103\,556\,704\,951\,088\,824\,945\,872\,175\,088\,640\,y^{20}\,x^{20} - \\
& 3\,263\,062\,816\,216\,251\,145\,582\,352\,885\,127\,864\,520\,166\,400\,y^{19}\,x^{20} + \\
& 1\,847\,702\,071\,857\,853\,572\,358\,051\,744\,661\,263\,549\,184\,928\,000\,y^{18}\,x^{20} - \\
& 412\,916\,138\,224\,998\,128\,916\,863\,280\,470\,653\,106\,442\,408\,076\,800\,y^{17}\,x^{20} + \\
& 48\,421\,433\,159\,575\,640\,389\,802\,577\,943\,690\,757\,800\,047\,422\,605\,440\,y^{16}\,x^{20} - \\
& 3\,434\,627\,977\,584\,170\,227\,754\,214\,862\,518\,216\,321\,124\,798\,392\,873\,600\,y^{15}\,x^{20} + \\
& 160\,183\,507\,261\,790\,418\,671\,295\,316\,109\,122\,918\,155\,157\,349\,644\,624\,800\,y^{14}\,x^{20} - \\
& 5\,179\,869\,307\,494\,611\,954\,048\,363\,367\,995\,495\,474\,696\,523\,402\,975\,417\,600\,y^{13}\,x^{20} + \\
& 120\,284\,398\,104\,679\,615\,173\,654\,367\,130\,359\,884\,280\,598\,328\,695\,800\,681\,140\,y^{12}\,x^{20} - \\
& 2\,052\,615\,326\,845\,116\,738\,759\,955\,166\,682\,349\,012\,477\,124\,324\,400\,783\,920\,940\,y^{11}\,x^{20} + \\
& 26\,110\,434\,994\,177\,842\,654\,547\,942\,777\,383\,685\,710\,369\,877\,375\,126\,052\,747\,325\,y^{10}\,x^{20} - \\
& 249\,363\,625\,099\,713\,054\,683\,518\,004\,268\,413\,377\,918\,311\,481\,840\,617\,072\,050\,850\,y^9\,x^{20} + \\
& 1\,789\,215\,628\,815\,002\,249\,059\,738\,214\,275\,140\,586\,404\,207\,067\,431\,835\,537\,875\,960\,y^8\,x^{20} - \\
& 9\,588\,025\,356\,075\,107\,947\,783\,187\,700\,384\,323\,606\,594\,368\,597\,928\,345\,016\,513\,360\,y^7\,x^{20} + \\
& 37\,854\,749\,852\,142\,676\,426\,572\,895\,518\,163\,146\,873\,294\,472\,806\,724\,655\,299\,371\,600\,y^6\,x^{20} - \\
& 107\,525\,515\,254\,469\,198\,153\,533\,842\,945\,021\,795\,789\,839\,744\,597\,559\,312\,895\,751\,200\,y^5\,x^{20} + \\
& 211\,314\,165\,884\,921\,590\,092\,298\,907\,740\,732\,536\,624\,295\,208\,846\,592\,531\,588\,464\,640\,y^4\,x^{20} - \\
& 269\,016\,173\,020\,994\,607\,003\,000\,251\,017\,083\,039\,530\,675\,056\,549\,282\,774\,468\,339\,200\,y^3\,x^{20} + \\
& 196\,168\,903\,488\,628\,834\,502\,556\,761\,447\,836\,074\,704\,433\,530\,307\,222\,425\,227\,776\,000\,y^2\,x^{20} - \\
& 60\,772\,130\,678\,862\,496\,668\,074\,073\,293\,406\,655\,063\,175\,039\,104\,088\,459\,796\,480\,000\,y\,x^{20} - \\
& 252\,316\,071\,252\,803\,523\,895\,280\,568\,805\,562\,118\,144\,000\,y^{20}\,x^{19} + \\
& 309\,311\,034\,787\,742\,349\,684\,866\,031\,458\,872\,701\,120\,921\,600\,y^{19}\,x^{19} - \\
& 112\,688\,988\,190\,921\,320\,232\,297\,755\,149\,374\,419\,026\,484\,940\,800\,y^{18}\,x^{19} + \\
& 19\,236\,139\,895\,556\,634\,200\,507\,416\,614\,144\,203\,782\,311\,810\,867\,200\,y^{17}\,x^{19} - \\
& 1\,871\,514\,920\,191\,123\,938\,132\,985\,093\,452\,773\,322\,360\,114\,825\,216\,000\,y^{16}\,x^{19} + \\
& 115\,592\,610\,986\,129\,543\,987\,240\,667\,213\,381\,675\,577\,214\,510\,726\,707\,200\,y^{15}\,x^{19} - \\
& 4\,844\,452\,049\,032\,621\,498\,213\,716\,632\,403\,096\,621\,876\,756\,888\,169\,305\,600\,y^{14}\,x^{19} + \\
& 143\,906\,459\,673\,274\,796\,770\,387\,921\,749\,565\,419\,064\,652\,881\,837\,614\,873\,600\,y^{13}\,x^{19} - \\
& 3\,119\,730\,943\,423\,853\,310\,410\,801\,240\,896\,541\,191\,994\,375\,244\,769\,051\,497\,600\,y^{12}\,x^{19} + \\
& 50\,314\,888\,559\,447\,618\,930\,386\,014\,667\,487\,272\,797\,253\,208\,821\,556\,121\,835\,200\,y^{11}\,x^{19} - \\
& 610\,745\,654\,087\,336\,843\,103\,791\,580\,711\,949\,377\,605\,965\,225\,621\,496\,823\,003\,600\,y^{10}\,x^{19} + \\
& 5\,608\,964\,557\,172\,920\,614\,723\,523\,847\,702\,228\,139\,814\,705\,425\,386\,206\,000\,884\,000\,y^9\,x^{19} - \\
& 38\,944\,794\,975\,361\,214\,801\,956\,090\,101\,723\,899\,092\,749\,796\,186\,322\,018\,853\,628\,800\,y^8\,x^{19} + \\
& 203\,013\,801\,399\,996\,527\,923\,794\,043\,994\,626\,765\,926\,574\,709\,202\,572\,593\,059\,360\,000\,y^7\,x^{19} - \\
& 783\,151\,441\,895\,857\,204\,878\,728\,433\,240\,277\,314\,902\,050\,287\,854\,343\,975\,191\,635\,200\,y^6\,x^{19} + \\
& 2\,181\,787\,576\,918\,929\,163\,951\,843\,730\,679\,095\,310\,336\,542\,806\,334\,381\,072\,220\,172\,800\,y^5\,x^{19} - \\
& 4\,219\,309\,446\,406\,495\,039\,749\,304\,999\,425\,422\,169\,474\,854\,182\,287\,714\,497\,949\,696\,000\,y^4\,x^{19} + \\
& 5\,301\,278\,134\,760\,729\,251\,505\,244\,729\,418\,310\,161\,081\,629\,545\,202\,006\,746\,618\,880\,000\,y^3\,x^{19} - \\
& 3\,825\,500\,185\,094\,981\,431\,094\,642\,137\,379\,561\,343\,149\,261\,884\,282\,913\,471\,078\,400\,000\,y^2\,x^{19} + \\
& 1\,175\,780\,802\,056\,590\,495\,538\,429\,671\,921\,852\,999\,218\,274\,000\,141\,955\,088\,384\,000\,000\,y\,x^{19} - \\
& 8\,489\,691\,796\,531\,441\,922\,914\,606\,692\,287\,868\,211\,200\,y^{21}\,x^{18} + \\
& 33\,668\,498\,150\,277\,216\,231\,058\,404\,459\,223\,714\,959\,360\,000\,y^{20}\,x^{18} - \\
& 22\,125\,509\,877\,064\,570\,744\,660\,923\,269\,443\,930\,135\,381\,171\,200\,y^{19}\,x^{18} + \\
& 5\,745\,692\,940\,934\,068\,153\,418\,600\,316\,039\,148\,720\,906\,631\,833\,600\,y^{18}\,x^{18} - \\
& 784\,517\,337\,542\,196\,374\,680\,223\,999\,665\,768\,072\,473\,878\,132\,697\,600\,y^{17}\,x^{18} +
\end{aligned}$$

64972 466 277 533 184 627 216 174 285 324 477 373 916 531 870 208 000 $y^{16} x^{18} -$
3 550 800 883 167 475 431 056 902 614 374 380 438 930 204 265 746 454 400 $y^{15} x^{18} +$
135 172 418 076 860 175 026 149 676 548 594 334 773 069 629 428 415 955 200 $y^{14} x^{18} -$
3 716 582 124 994 040 204 714 583 392 241 546 680 632 509 932 840 777 000 400 $y^{13} x^{18} +$
75 634 084 353 549 245 860 551 741 146 602 164 710 245 002 469 970 959 574 400 $y^{12} x^{18} -$
1 157 606 564 006 028 495 801 617 682 877 213 700 885 176 194 070 405 065 441 900 $y^{11} x^{18} +$
13 450 430 518 642 174 138 699 430 350 494 989 551 850 733 793 752 987 437 440 200 $y^{10} x^{18} -$
119 070 332 069 459 170 902 584 089 834 929 107 879 444 394 093 584 281 993 396 800 $y^9 x^{18} +$
801 523 166 308 169 362 484 272 353 606 708 518 728 398 736 102 201 326 580 910 400 $y^8 x^{18} -$
4 070 359 218 868 138 285 478 673 322 274 289 192 578 613 660 124 564 745 485 848 000 $y^7 x^{18} +$
15 359 414 425 389 458 934 341 047 275 757 756 434 289 057 201 020 263 923 956 278 400 $y^6 x^{18} -$
42 004 956 456 991 003 845 339 355 400 021 245 399 901 229 498 195 659 205 677 068 800 $y^5 x^{18} +$
79 990 276 124 102 645 977 485 629 058 831 056 225 244 622 070 819 011 116 007 680 000 $y^4 x^{18} -$
99 240 739 928 544 284 972 732 741 940 833 101 919 855 089 134 673 886 728 934 400 000 $y^3 x^{18} +$
70 895 316 780 263 238 031 795 913 450 889 986 112 742 341 243 374 754 604 032 000 000 $y^2 x^{18} -$
21 623 769 432 733 301 598 735 842 684 754 687 050 493 179 037 343 372 787 712 000 000 $y x^{18} +$
2 121 180 861 034 241 402 620 460 891 390 534 582 784 000 $y^{21} x^{17} -$
3 005 814 365 842 257 245 694 593 315 550 098 773 705 420 800 $y^{20} x^{17} +$
1 266 955 575 471 537 179 284 844 560 674 790 091 348 284 339 200 $y^{19} x^{17} -$
250 592 428 733 955 073 531 348 512 715 195 961 788 834 012 416 000 $y^{18} x^{17} +$
28 311 746 966 448 057 219 889 599 371 346 184 488 435 117 783 513 600 $y^{17} x^{17} -$
2 036 594 152 839 535 024 222 368 300 429 313 343 867 155 210 623 705 600 $y^{16} x^{17} +$
99 784 299 681 651 388 728 991 905 532 697 253 474 854 566 678 057 142 400 $y^{15} x^{17} -$
3 481 790 741 202 057 998 198 756 147 729 592 290 858 104 454 898 709 977 600 $y^{14} x^{17} +$
89 186 951 930 410 138 782 219 459 273 932 561 741 847 942 506 020 081 107 600 $y^{13} x^{17} -$
1 711 981 208 479 256 312 571 801 372 987 644 189 948 027 859 846 119 918 252 400 $y^{12} x^{17} +$
24 956 440 528 727 031 080 521 823 495 294 815 887 217 800 866 356 265 123 760 900 $y^{11} x^{17} -$
278 341 915 767 921 575 158 607 383 385 592 502 093 834 349 241 367 125 328 807 800 $y^{10} x^{17} +$
2 380 289 168 094 701 273 722 458 042 229 709 582 398 103 343 491 916 643 785 398 400 $y^9 x^{17} -$
15 560 448 539 629 937 665 390 457 883 451 316 954 968 347 807 940 976 230 132 862 400 $y^8 x^{17} +$
77 082 493 507 458 567 694 345 112 747 272 068 012 387 937 611 290 356 390 227 489 600 $y^7 x^{17} -$
284 821 193 760 298 973 094 325 496 546 776 451 893 383 315 983 020 090 740 887 472 000 $y^6 x^{17} +$
765 264 916 375 915 327 078 629 425 238 592 298 702 518 513 335 750 007 107 477 926 400 $y^5 x^{17} -$
1 435 922 410 655 245 788 652 344 106 016 020 332 775 706 591 431 220 071 615 077 120 000 $y^4 x^{17} +$
1 759 974 899 126 204 985 546 722 247 341 008 691 853 028 301 736 022 689 041 433 600 000 $y^3 x^{17} -$
1 245 109 991 408 305 881 517 714 901 010 289 142 807 473 905 248 233 860 695 040 000 000 $y^2 x^{17} +$
376 966 457 839 317 715 981 364 141 334 522 783 644 947 259 090 621 731 946 496 000 000 $y x^{17} +$
58 053 637 898 889 705 580 080 152 222 158 074 624 000 $y^{22} x^{16} -$
265 170 366 315 540 069 541 461 991 827 483 403 719 859 200 $y^{21} x^{16} +$
200 810 278 050 658 212 997 778 581 486 771 163 843 091 264 000 $y^{20} x^{16} -$
60 159 831 235 384 771 323 891 567 907 197 809 763 356 287 084 800 $y^{19} x^{16} +$
9 492 565 041 792 566 469 062 152 733 846 460 640 227 576 609 542 400 $y^{18} x^{16} -$
910 663 832 394 436 171 843 022 744 206 860 857 425 945 516 627 900 800 $y^{17} x^{16} +$
57 829 417 525 887 740 994 601 710 001 229 279 661 313 720 223 273 640 000 $y^{16} x^{16} -$
2 568 069 439 557 601 979 614 370 169 617 258 919 106 245 816 934 423 245 600 $y^{15} x^{16} +$
82 770 110 640 409 561 644 090 527 808 482 908 922 517 412 897 973 520 403 800 $y^{14} x^{16} -$

$$\begin{aligned}
& 1\,986\,380\,254\,935\,920\,670\,592\,365\,854\,194\,968\,173\,539\,277\,059\,022\,748\,857\,911\,500\,y^{13}x^{16} + \\
& 36\,117\,572\,410\,886\,984\,766\,212\,919\,610\,694\,149\,245\,801\,859\,767\,343\,664\,347\,358\,250\,y^{12}x^{16} - \\
& 503\,087\,921\,124\,474\,690\,935\,237\,220\,396\,377\,015\,739\,026\,062\,933\,612\,883\,247\,136\,725\,y^{11}x^{16} + \\
& 5\,399\,408\,402\,632\,954\,089\,101\,427\,198\,574\,600\,980\,892\,670\,986\,465\,226\,434\,706\,615\,550\,y^{10}x^{16} - \\
& 44\,692\,052\,490\,799\,223\,065\,106\,842\,661\,259\,704\,718\,768\,370\,097\,400\,715\,604\,334\,436\,800\,y^9x^{16} + \\
& 284\,165\,517\,613\,964\,494\,962\,370\,312\,550\,165\,176\,047\,460\,028\,365\,415\,490\,357\,201\,397\,200\,y^8x^{16} - \\
& 1\,374\,834\,501\,967\,475\,277\,937\,760\,059\,898\,054\,770\,083\,255\,647\,341\,678\,892\,592\,531\,306\,000\,y^7x^{16} + \\
& 4\,979\,193\,690\,231\,260\,408\,469\,927\,278\,614\,571\,210\,750\,780\,008\,352\,560\,286\,629\,099\,173\,600\,y^6x^{16} - \\
& 13\,153\,473\,961\,446\,774\,529\,889\,409\,247\,892\,880\,047\,330\,038\,192\,856\,917\,421\,733\,618\,921\,600\,y^5x^{16} + \\
& 24\,333\,123\,217\,856\,784\,224\,589\,023\,485\,502\,983\,901\,584\,725\,888\,469\,980\,090\,251\,532\,480\,000\,y^4x^{16} - \\
& 29\,477\,560\,191\,564\,581\,290\,469\,826\,056\,406\,778\,389\,696\,960\,926\,965\,802\,060\,529\,926\,400\,000\,y^3x^{16} + \\
& 20\,659\,074\,418\,604\,496\,467\,582\,697\,967\,968\,151\,934\,404\,951\,811\,072\,218\,731\,512\,064\,000\,000\,y^2x^{16} - \\
& 6\,209\,926\,668\,769\,509\,091\,855\,387\,340\,527\,428\,670\,306\,901\,567\,557\,600\,699\,674\,624\,000\,000\,yx^{16} - \\
& 13\,507\,292\,034\,439\,519\,755\,089\,894\,521\,292\,741\,807\,308\,800\,y^{22}x^{15} + \\
& 21\,977\,620\,990\,123\,628\,077\,783\,585\,210\,405\,348\,714\,859\,888\,640\,y^{21}x^{15} - \\
& 10\,644\,777\,132\,422\,519\,538\,620\,673\,205\,551\,261\,095\,101\,236\,019\,200\,y^{20}x^{15} + \\
& 2\,422\,526\,086\,496\,104\,200\,353\,362\,511\,082\,237\,750\,381\,580\,839\,936\,000\,y^{19}x^{15} - \\
& 315\,511\,847\,373\,995\,290\,831\,975\,631\,921\,032\,426\,856\,567\,288\,421\,580\,800\,y^{18}x^{15} + \\
& 26\,230\,196\,206\,043\,198\,458\,234\,858\,307\,822\,595\,189\,782\,170\,242\,524\,221\,440\,y^{17}x^{15} - \\
& 1\,490\,095\,513\,981\,756\,297\,512\,250\,765\,235\,441\,879\,765\,701\,113\,774\,221\,414\,400\,y^{16}x^{15} + \\
& 60\,529\,291\,887\,036\,199\,135\,086\,382\,150\,758\,423\,084\,146\,052\,832\,868\,449\,090\,560\,y^{15}x^{15} - \\
& 1\,814\,002\,191\,546\,960\,755\,145\,584\,544\,316\,592\,783\,907\,779\,049\,665\,680\,979\,673\,600\,y^{14}x^{15} + \\
& 40\,987\,834\,634\,173\,426\,394\,497\,597\,087\,062\,186\,923\,806\,634\,742\,321\,952\,112\,960\,640\,y^{13}x^{15} - \\
& 708\,586\,332\,176\,815\,955\,973\,246\,003\,012\,559\,937\,106\,862\,539\,528\,473\,661\,915\,208\,320\,y^{12}x^{15} + \\
& 9\,458\,287\,219\,330\,547\,022\,414\,016\,197\,711\,368\,437\,406\,707\,643\,859\,724\,429\,003\,766\,880\,y^{11}x^{15} - \\
& 97\,903\,861\,896\,461\,918\,639\,726\,991\,512\,075\,849\,720\,476\,954\,839\,818\,014\,817\,640\,225\,600\,y^{10}x^{15} + \\
& 785\,757\,130\,072\,208\,616\,323\,208\,078\,590\,364\,753\,898\,541\,837\,121\,063\,033\,551\,595\,678\,720\,y^9x^{15} - \\
& 4\,866\,194\,503\,706\,834\,599\,264\,989\,638\,790\,089\,286\,213\,767\,040\,634\,228\,583\,916\,167\,662\,080\,y^8x^{15} + \\
& 23\,019\,702\,757\,379\,743\,091\,728\,950\,114\,279\,050\,377\,017\,657\,278\,211\,566\,363\,514\,795\,855\,360\,y^7x^{15} - \\
& 81\,787\,342\,130\,486\,437\,602\,862\,281\,008\,238\,552\,578\,725\,232\,710\,821\,633\,463\,166\,362\,137\,600\,y^6x^{15} + \\
& 212\,576\,046\,179\,199\,059\,689\,779\,665\,590\,575\,292\,521\,472\,361\,697\,908\,219\,330\,473\,683\,824\,640\,y^5x^{15} - \\
& 387\,925\,547\,652\,175\,578\,193\,497\,527\,576\,875\,852\,328\,578\,473\,615\,928\,155\,473\,464\,952\,832\,000\,y^4x^{15} + \\
& 464\,668\,580\,463\,005\,980\,726\,979\,854\,558\,931\,445\,029\,190\,885\,763\,921\,175\,319\,074\,856\,960\,000\,y^3x^{15} - \\
& 322\,713\,043\,748\,157\,612\,306\,008\,182\,163\,689\,593\,890\,520\,444\,483\,318\,983\,871\,848\,448\,000\,000\,y^2x^{15} + \\
& 96\,331\,156\,432\,981\,222\,668\,612\,563\,396\,401\,465\,426\,585\,759\,345\,275\,122\,237\,020\,569\,600\,000\,yx^{15} - \\
& 297\,821\,409\,659\,801\,760\,351\,118\,289\,104\,467\,977\,011\,200\,y^{23}x^{14} + \\
& 1\,556\,872\,052\,677\,422\,315\,783\,590\,123\,605\,550\,161\,516\,953\,600\,y^{22}x^{14} - \\
& 1\,349\,936\,715\,978\,052\,749\,991\,366\,072\,113\,062\,293\,111\,972\,454\,400\,y^{21}x^{14} + \\
& 463\,501\,355\,349\,464\,268\,275\,195\,397\,575\,862\,339\,456\,708\,881\,817\,600\,y^{20}x^{14} - \\
& 83\,944\,380\,416\,827\,489\,747\,091\,953\,712\,865\,050\,240\,671\,422\,054\,912\,000\,y^{19}x^{14} + \\
& 9\,262\,364\,869\,089\,377\,497\,655\,236\,472\,455\,680\,349\,634\,057\,011\,800\,268\,800\,y^{18}x^{14} - \\
& 678\,311\,197\,298\,759\,999\,321\,822\,786\,569\,453\,099\,900\,428\,479\,205\,698\,534\,400\,y^{17}x^{14} + \\
& 34\,854\,935\,459\,405\,994\,342\,954\,238\,028\,157\,287\,197\,744\,785\,831\,179\,274\,931\,200\,y^{16}x^{14} - \\
& 1\,305\,307\,066\,297\,420\,752\,802\,374\,784\,087\,257\,449\,297\,326\,542\,542\,411\,500\,348\,800\,y^{15}x^{14} + \\
& 36\,583\,762\,089\,508\,936\,958\,238\,872\,457\,116\,560\,622\,258\,552\,681\,575\,782\,191\,462\,400\,y^{14}x^{14} - \\
& 781\,654\,857\,583\,760\,926\,595\,115\,009\,570\,268\,650\,970\,413\,822\,060\,330\,120\,630\,789\,600\,y^{13}x^{14} +
\end{aligned}$$

12 890 766 514 168 115 106 335 260 164 793 806 275 735 346 342 933 755 818 430 637 600 $y^{12} x^{14} -$
165 317 176 491 313 474 218 639 702 226 669 144 188 554 494 871 059 432 967 193 218 400 $y^{11} x^{14} +$
1 653 774 781 512 754 780 856 032 246 079 246 831 613 659 984 116 257 279 291 441 739 200 $y^{10} x^{14} -$
12 890 576 934 909 273 365 129 501 671 106 893 182 901 128 374 383 676 945 369 870 668 800 $y^9 x^{14} +$
77 856 370 337 817 540 707 315 236 895 822 074 378 859 148 087 350 336 495 812 223 385 600 $y^8 x^{14} -$
360 481 889 983 142 963 935 645 550 402 592 789 662 492 497 637 762 316 218 307 581 222 400 $y^7 x^{14} +$
1 257 491 170 910 103 494 087 077 707 893 791 048 012 562 099 641 594 759 758 020 071 910 400 $y^6 x^{14} -$
3 217 833 719 722 360 957 991 895 857 268 569 453 993 185 097 872 206 086 280 735 254 630 400 $y^5 x^{14} +$
5 795 583 066 302 132 237 025 990 374 695 165 001 374 383 807 220 428 171 636 919 941 120 000 $y^4 x^{14} -$
6 866 968 499 057 313 200 461 203 559 931 218 209 024 285 069 675 159 907 984 575 897 600 000 $y^3 x^{14} +$
4 727 375 349 320 745 632 115 175 123 539 829 044 145 186 553 991 564 049 685 815 296 000 000 $y^2 x^{14} -$
1 401 631 873 202 391 360 198 766 193 977 983 102 976 305 490 420 315 885 276 102 656 000 000 $y x^{14} +$
63 388 456 687 077 931 708 215 203 847 230 166 808 166 400 $y^{23} x^{13} -$
117 706 789 616 414 910 388 413 672 801 670 244 728 562 073 600 $y^{22} x^{13} +$
65 106 326 406 532 270 112 517 896 058 428 770 511 796 570 316 800 $y^{21} x^{13} -$
16 940 118 631 757 475 377 850 842 922 403 574 894 111 536 644 403 200 $y^{20} x^{13} +$
2 526 625 567 215 531 105 327 855 582 934 804 141 754 353 973 414 400 000 $y^{19} x^{13} -$
241 077 903 580 217 973 082 724 029 629 097 593 411 468 932 280 698 112 000 $y^{18} x^{13} +$
15 762 160 564 672 248 338 155 913 310 282 806 678 958 689 352 196 896 844 800 $y^{17} x^{13} -$
739 473 277 667 523 415 788 240 580 302 265 178 016 965 892 279 309 815 232 000 $y^{16} x^{13} +$
25 703 803 715 983 390 698 374 307 426 162 296 103 003 360 049 014 246 163 113 600 $y^{15} x^{13} -$
677 112 480 335 979 868 146 658 204 075 339 469 093 955 994 699 397 560 552 603 200 $y^{14} x^{13} +$
13 732 909 206 015 154 467 479 883 984 227 183 210 211 324 820 742 238 617 826 098 400 $y^{13} x^{13} -$
216 692 569 862 831 582 616 192 942 361 025 209 754 219 881 407 172 151 373 941 238 000 $y^{12} x^{13} +$
2 676 195 059 861 934 960 888 008 990 877 223 541 218 441 039 418 768 962 615 686 340 800 $y^{11} x^{13} -$
25 921 036 469 734 836 076 884 813 470 578 993 892 764 353 256 434 274 319 694 222 705 600 $y^{10} x^{13} +$
196 516 409 603 740 044 740 139 409 141 353 333 311 689 430 619 412 881 219 269 900 102 400 $y^9 x^{13} -$
1 158 929 019 528 963 594 528 401 596 270 425 958 417 884 633 412 357 149 423 955 996 780 800 $y^8 x^{13} +$
5 257 013 767 731 992 378 988 450 010 896 556 318 897 332 091 108 579 772 255 723 464 012 800 $y^7 x^{13} -$
18 018 867 303 291 221 841 936 492 368 742 608 479 666 767 958 081 825 621 533 991 808 947 200 $y^6 x^{13} +$
45 423 546 082 815 802 050 994 596 692 214 958 835 038 187 743 668 449 206 201 449 704 140 800 $y^5 x^{13} -$
80 783 493 101 507 911 612 597 869 550 830 935 863 827 305 003 579 635 946 991 109 539 840 000 $y^4 x^{13} +$
94 716 347 575 372 294 413 410 660 386 944 477 802 821 732 445 952 507 899 778 201 395 200 000 $y^3 x^{13} -$
64 652 078 323 352 536 497 520 520 493 099 824 635 584 596 549 434 835 234 138 431 488 000 000 $y^2 x^{13} +$
19 043 392 365 359 960 681 246 054 594 212 588 763 719 685 610 815 961 642 548 723 712 000 000 $y x^{13} +$
1 110 359 007 129 245 267 123 687 621 931 757 784 985 600 $y^{24} x^{12} -$
6 604 466 801 874 852 475 665 613 878 175 648 629 498 470 400 $y^{23} x^{12} +$
6 518 519 693 701 804 005 239 829 442 456 201 885 548 844 800 000 $y^{22} x^{12} -$
2 549 778 487 913 355 474 478 854 656 163 161 267 355 234 099 456 000 $y^{21} x^{12} +$
526 773 382 342 413 982 461 184 032 899 008 879 124 650 762 326 124 800 $y^{20} x^{12} -$
66 422 040 229 205 874 794 656 620 578 074 176 063 947 112 861 298 022 400 $y^{19} x^{12} +$
5 571 673 022 738 617 349 699 646 632 207 852 507 280 417 374 725 397 049 600 $y^{18} x^{12} -$
328 890 377 639 242 185 602 676 236 042 781 051 245 566 793 608 472 046 700 800 $y^{17} x^{12} +$
14 199 820 826 685 175 043 218 458 304 264 836 616 886 696 734 249 368 244 362 000 $y^{16} x^{12} -$
460 816 624 334 142 938 281 281 275 533 949 411 317 792 735 434 808 102 827 285 600 $y^{15} x^{12} +$
11 460 473 659 843 841 846 764 746 789 041 270 812 444 532 825 309 050 989 542 679 000 $y^{14} x^{12} -$

221 392 253 017 747 819 872 330 324 979 952 555 311 422 549 141 340 731 324 135 774 600 $y^{13} x^{12} +$
 3 351 372 164 812 882 959 913 509 259 238 418 597 049 564 519 262 345 243 069 440 404 375 $y^{12} x^{12} -$
 39 943 883 420 476 863 427 403 648 296 904 146 751 505 996 929 063 961 044 383 616 298 300 $y^{11} x^{12} +$
 375 228 080 186 896 160 891 982 409 745 547 731 568 211 936 587 849 477 727 914 038 503 500 $y^{10} x^{12} -$
 2 770 652 623 105 735 824 741 331 053 270 678 043 665 006 250 211 562 583 935 495 786 109 200 $y^9 x^{12} +$
 15 971 721 415 043 873 777 152 077 384 634 554 770 128 515 128 917 641 312 940 934 900 826 000 $y^8 x^{12} -$
 71 041 232 126 996 942 698 163 018 000 435 233 542 379 690 643 190 965 567 711 423 748 398 400 $y^7 x^{12} +$
 239 427 730 954 234 256 764 390 109 065 434 774 373 558 065 287 353 804 482 977 808 012 494 400 $y^6 x^{12} -$
 594 935 616 895 635 724 849 227 558 375 748 265 832 385 638 684 009 653 944 600 280 757 907 200 $y^5 x^{12} +$
 1 045 238 065 834 134 858 528 861 895 526 564 592 110 104 099 902 196 489 237 990 295 736 960 000 $y^4 x^{12} -$
 1 213 120 220 572 894 636 479 485 889 935 525 029 489 220 210 686 376 414 987 119 432 204 800 000 $y^3 x^{12} +$
 821 254 836 507 755 820 980 875 218 998 104 629 267 424 914 780 878 491 832 003 713 536 000 000 $y^2 x^{12} -$
 240 363 057 682 747 456 366 223 590 073 536 332 152 965 767 061 697 156 094 390 263 808 000 000 $y x^{12} -$
 211 376 400 937 054 796 163 814 977 882 319 898 443 776 000 $y^{24} x^{11} +$
 445 453 229 841 675 022 724 881 933 968 235 459 408 959 897 600 $y^{23} x^{11} -$
 279 788 490 401 602 631 398 358 198 179 219 161 590 478 193 459 200 $y^{22} x^{11} +$
 82 749 181 220 690 972 026 896 002 926 600 282 788 031 442 748 211 200 $y^{21} x^{11} -$
 14 049 319 929 858 294 314 745 046 548 530 228 433 624 076 816 464 076 800 $y^{20} x^{11} +$
 1 528 872 679 822 765 240 591 456 037 061 836 065 478 201 021 924 757 504 000 $y^{19} x^{11} -$
 114 284 257 575 173 730 247 371 157 391 803 239 541 089 959 079 184 367 308 800 $y^{18} x^{11} +$
 6 148 337 801 602 636 320 899 150 836 130 191 958 908 546 950 187 690 617 139 200 $y^{17} x^{11} -$
 245 974 167 660 969 817 911 077 954 393 098 375 783 076 547 550 748 554 027 315 200 $y^{16} x^{11} +$
 7 490 851 489 366 205 731 419 291 871 947 771 445 361 957 034 821 054 419 796 966 400 $y^{15} x^{11} -$
 176 571 513 935 394 371 014 705 105 551 591 875 650 950 631 047 702 315 586 104 297 600 $y^{14} x^{11} +$
 3 258 862 256 504 140 939 849 493 874 087 179 220 270 295 539 267 098 532 499 405 008 000 $y^{13} x^{11} -$
 47 440 907 898 916 612 089 978 873 088 464 451 528 608 183 515 827 622 023 379 298 021 600 $y^{12} x^{11} +$
 546 726 833 165 839 987 636 001 019 501 418 042 249 625 796 007 588 459 157 065 954 915 200 $y^{11} x^{11} -$
 4 988 817 703 321 770 162 947 697 752 719 997 963 475 331 594 625 113 464 784 878 844 732 800 $y^{10} x^{11} +$
 35 922 560 191 340 788 771 405 595 893 198 138 863 938 947 179 137 923 782 270 519 864 691 200 $y^9 x^{11} -$
 202 622 688 931 734 999 653 639 087 602 088 905 722 907 020 983 406 287 425 219 517 491 622 400 $y^8 x^{11} +$
 884 462 535 879 405 266 698 677 638 442 102 366 020 341 561 643 836 766 043 700 880 124 979 200 $y^7 x^{11} -$
 2 932 964 762 304 254 714 331 206 689 733 235 197 876 917 721 025 980 925 664 140 133 117 593 600 $y^6 x^{11} +$
 7 187 462 492 948 311 866 685 468 560 649 229 185 788 730 309 445 822 900 987 415 942 889 267 200 $y^5 x^{11} -$
 12 479 817 369 781 151 197 424 518 014 079 337 371 840 961 738 686 348 757 184 806 767 349 760 000 $y^4 x^{11} +$
 14 342 549 906 268 071 589 329 266 468 664 584 151 856 319 011 407 891 354 298 065 401 036 800 000 $y^3 x^{11} -$
 9 632 186 968 254 781 337 619 561 242 897 747 495 440 891 682 662 846 942 754 227 175 424 000 000 $y^2 x^{11} +$
 2 801 680 736 221 192 125 429 846 504 502 878 853 059 890 483 268 494 058 330 444 791 808 000 000 $y x^{11} -$
 2 882 365 028 921 424 055 968 815 756 065 530 236 780 544 $y^{25} x^{10} +$
 19 403 725 895 046 054 514 027 978 249 738 399 367 056 588 800 $y^{24} x^{10} -$
 21 682 573 068 962 009 792 626 950 268 396 575 016 999 728 537 600 $y^{23} x^{10} +$
 9 609 483 212 023 366 303 703 929 027 946 539 256 590 793 501 245 440 $y^{22} x^{10} -$
 2 251 922 760 249 470 112 729 492 274 453 955 056 709 618 970 405 473 280 $y^{21} x^{10} +$
 322 593 520 955 205 939 426 293 479 635 093 302 981 818 393 828 624 281 600 $y^{20} x^{10} -$
 30 805 228 326 450 024 364 571 648 782 575 633 432 266 638 432 434 126 566 400 $y^{19} x^{10} +$
 2 075 328 010 983 012 246 971 588 798 377 333 459 171 766 570 964 519 854 346 240 $y^{18} x^{10} -$
 102 579 978 888 892 590 909 479 535 903 049 398 738 253 316 351 579 955 072 815 040 $y^{17} x^{10} +$

3 825 426 048 596 724 057 046 429 609 850 719 408 137 329 635 162 771 136 124 433 920 $y^{16} x^{10} -$
 109 819 468 548 570 589 668 960 712 739 356 955 425 220 189 283 587 464 947 872 508 000 $y^{15} x^{10} +$
 2 462 079 762 513 960 513 046 326 008 981 563 323 086 029 878 319 338 234 425 514 109 440 $y^{14} x^{10} -$
 43 533 808 747 488 422 875 089 085 969 171 525 213 361 082 578 167 709 556 842 156 557 140 $y^{13} x^{10} +$
 610 787 539 472 949 773 345 179 641 798 134 241 699 974 221 070 030 168 574 879 460 221 360 $y^{12} x^{10} -$
 6 818 046 554 709 230 337 502 512 417 550 323 085 167 095 555 887 254 712 381 145 519 235 600 $y^{11} x^{10} +$
 60 518 180 794 574 544 131 469 232 654 851 132 449 022 816 077 888 701 434 001 528 920 545 856 $y^{10} x^{10} -$
 425 440 598 306 545 616 650 070 705 291 471 015 990 585 567 790 794 567 007 590 721 483 522 240 $y^9 x^{10} +$
 2 350 272 239 802 616 609 108 714 401 482 566 255 522 090 526 037 606 452 694 422 340 165 054 720 $y^8 x^{10} -$
 10 075 661 357 088 066 718 148 300 992 174 588 495 415 595 810 705 210 675 113 737 751 542 137 600 $y^7 x^{10} +$
 32 895 259 526 724 360 687 138 850 103 672 889 169 978 343 623 280 790 103 899 891 507 147 709 440 $y^6 x^{10} -$
 79 541 195 764 150 597 074 620 841 060 617 239 402 243 448 745 393 860 013 143 005 504 560 992 256 $y^5 x^{10} +$
 136 547 895 359 801 307 238 827 417 944 150 970 645 679 633 127 565 446 728 636 102 203 962 572 800 $y^4 x^{10} -$
 155 441 814 178 618 911 257 914 631 769 192 811 892 135 443 805 825 827 601 756 921 694 388 224 000 $y^3 x^{10} +$
 103 584 083 241 551 499 938 568 356 164 155 250 534 229 675 990 480 154 377 737 992 270 643 200 000 $y^2 x^{10} -$
 29 947 668 213 671 439 459 685 528 317 699 816 152 883 675 852 032 338 471 394 968 432 803 840 000 $y x^{10} +$
 476 312 275 661 922 055 224 992 662 191 395 846 498 304 000 $y^{25} x^9 -$
 1 133 349 691 625 307 472 432 450 714 243 968 997 967 636 889 600 $y^{24} x^9 +$
 804 156 217 638 575 160 894 112 427 120 150 334 472 656 130 252 800 $y^{23} x^9 -$
 268 909 541 750 993 428 686 371 516 419 682 906 809 661 732 618 035 200 $y^{22} x^9 +$
 51 687 000 377 707 969 937 440 113 188 691 031 459 816 187 681 461 017 600 $y^{21} x^9 -$
 6 378 403 388 774 731 957 957 804 017 601 270 308 170 083 497 402 824 294 400 $y^{20} x^9 +$
 541 835 767 628 724 639 640 862 459 943 163 405 430 534 615 649 473 974 656 000 $y^{19} x^9 -$
 33 213 969 923 694 575 029 246 280 722 675 677 537 455 297 295 703 796 662 348 800 $y^{18} x^9 +$
 1 518 859 328 252 810 149 001 802 083 484 249 463 730 471 065 908 256 865 176 536 000 $y^{17} x^9 -$
 53 074 284 153 156 749 267 836 398 133 429 420 741 322 753 086 160 031 532 785 398 400 $y^{16} x^9 +$
 1 442 050 619 368 451 534 945 324 023 248 919 293 179 256 214 940 076 994 174 812 304 800 $y^{15} x^9 -$
 30 845 824 700 771 747 583 302 179 746 965 314 522 581 158 334 374 393 658 087 661 384 800 $y^{14} x^9 +$
 523 815 313 996 855 817 989 253 028 568 503 598 480 595 221 641 022 588 380 212 039 964 900 $y^{13} x^9 -$
 7 097 120 303 347 300 942 758 251 062 763 703 645 189 494 201 548 114 452 613 774 569 625 200 $y^{12} x^9 +$
 76 860 355 891 159 717 141 284 406 401 918 933 505 517 714 321 983 789 597 086 253 644 363 600 $y^{11} x^9 -$
 664 498 910 751 792 673 241 338 009 897 912 133 235 063 061 988 105 469 380 834 910 571 195 200 $y^{10} x^9 +$
 4 565 555 441 120 659 150 811 420 392 961 163 268 201 960 116 361 516 788 611 890 408 022 616 000 $y^9 x^9 -$
 24 723 480 546 526 231 713 219 076 393 079 785 579 051 661 159 071 288 478 672 067 859 650 336 000 $y^8 x^9 +$
 104 168 898 464 448 693 287 465 570 622 304 767 232 229 583 675 568 591 827 103 071 361 519 353 600 $y^7 x^9 -$
 335 028 584 483 540 897 172 709 007 751 577 343 090 785 065 100 451 507 749 330 926 721 091 251 200 $y^6 x^9 +$
 799 713 356 154 182 579 176 262 920 118 974 480 470 045 846 774 448 654 520 103 730 354 082 304 000 $y^5 x^9 -$
 1 357 845 593 407 211 190 200 116 497 489 164 292 351 001 454 384 269 797 310 802 680 718 592 000 000 $y^4 x^9 +$
 1 531 530 806 739 361 622 367 299 746 174 560 616 243 585 109 138 231 633 674 127 847 628 800 000 000 $y^3 x^9 -$
 1 012 918 443 364 047 325 554 587 724 020 183 109 982 534 533 692 183 843 629 076 142 931 968 000 000 $y^2 x^9 +$
 291 131 726 317 424 258 749 358 019 188 244 339 597 224 534 265 436 056 395 351 854 940 160 000 000 $y x^9 +$
 4 905 395 716 607 800 944 160 866 219 276 876 475 637 760 $y^{26} x^8 -$
 37 191 203 834 027 769 428 922 994 969 649 405 860 462 080 000 $y^{25} x^8 +$
 46 819 962 224 000 593 455 709 867 110 334 312 192 157 221 171 200 $y^{24} x^8 -$
 23 392 120 265 483 105 578 709 772 392 601 204 986 492 510 341 171 200 $y^{23} x^8 +$
 6 186 013 647 809 240 269 297 027 885 295 049 334 075 438 188 017 241 600 $y^{22} x^8 -$

1 001 387 156 078 975 746 366 913 593 273 044 656 454 829 760 144 392 915 200 $y^{21} x^8 +$
108 251 874 219 703 649 456 533 539 571 906 498 907 217 945 246 050 010 508 800 $y^{20} x^8 -$
8 274 244 424 514 837 572 194 007 141 280 002 943 705 565 249 321 121 375 481 600 $y^{19} x^8 +$
465 277 507 968 440 375 832 800 245 784 037 552 431 903 637 440 760 515 478 991 200 $y^{18} x^8 -$
19 803 992 410 354 827 211 170 563 418 942 871 114 678 315 090 144 358 433 356 446 800 $y^{17} x^8 +$
651 425 706 503 902 248 691 861 360 942 932 347 843 628 147 404 396 752 458 098 650 800 $y^{16} x^8 -$
16 811 579 687 113 762 283 445 133 539 250 875 770 672 412 891 152 662 058 744 595 232 200 $y^{15} x^8 +$
344 065 404 571 412 331 988 150 392 474 311 137 027 144 965 676 342 112 592 412 638 000 450 $y^{14} x^8 -$
5 624 159 464 782 189 641 635 732 260 167 683 232 241 408 487 071 340 047 039 253 691 158 575 $y^{13} x^8 +$
73 720 908 625 802 509 113 618 691 798 365 456 407 401 074 538 710 136 570 989 349 389 873 900 $y^{12} x^8 -$
775 714 968 506 397 244 430 206 616 793 098 470 123 982 116 201 491 622 230 850 555 752 908 940 $y^{11} x^8 +$
6 540 087 061 946 570 087 445 780 290 584 323 364 020 199 562 048 286 256 567 884 486 295 386 000 $y^{10} x^8 -$
43 960 053 283 213 105 601 889 234 927 027 205 881 581 455 602 231 245 808 485 461 317 781 990 800 $y^9 x^8 +$
233 540 961 803 171 424 129 599 700 636 698 493 028 289 457 469 479 762 533 577 644 204 132 136 000 $y^8 x^8 -$
967 728 064 583 756 217 300 012 128 950 387 126 075 482 857 972 697 795 585 475 315 401 153 460 800 $y^7 x^8 +$
3 067 730 005 372 031 361 769 339 221 782 388 402 697 060 264 775 409 525 183 026 301 984 021 392 640 $y^6 x^8 -$
7 231 940 778 734 289 934 393 555 152 212 170 341 662 010 054 266 616 807 930 058 712 406 910 848 000 $y^5 x^8 +$
12 149 201 796 868 074 902 825 956 811 150 228 766 670 701 781 826 744 138 315 775 090 003 279 360 000 $y^4 x^8 -$
13 581 150 719 397 641 262 285 086 245 510 646 428 484 611 339 875 320 901 213 191 808 890 880 000 000 $y^3 x^8 +$
8 916 633 836 868 217 677 558 857 693 489 980 693 799 165 234 672 975 900 154 998 284 052 889 600 000 $y^2 x^8 -$
2 548 159 781 641 099 748 778 009 005 751 598 408 474 122 489 718 876 799 780 007 868 170 240 000 000 $y x^8 -$
674 438 505 583 851 709 669 202 282 881 726 678 518 988 800 $y^{26} x^7 +$
1 803 379 661 395 517 237 816 777 041 848 092 629 246 422 220 800 $y^{25} x^7 -$
1 438 578 041 682 220 380 985 728 225 883 851 186 064 837 440 307 200 $y^{24} x^7 +$
541 263 303 032 809 716 251 743 662 084 046 197 262 412 687 413 248 000 $y^{23} x^7 -$
117 187 491 446 143 751 797 574 452 066 765 782 255 297 152 832 937 574 400 $y^{22} x^7 +$
16 313 805 269 620 072 246 610 333 750 384 957 964 613 090 041 148 101 120 000 $y^{21} x^7 -$
1 566 282 672 603 637 995 843 570 501 776 905 473 004 237 354 420 982 653 747 200 $y^{20} x^7 +$
108 763 875 608 607 064 055 193 482 794 728 791 633 229 602 119 821 519 082 598 400 $y^{19} x^7 -$
5 650 056 693 350 304 071 760 048 822 481 199 182 383 460 580 963 250 774 747 110 400 $y^{18} x^7 +$
225 027 660 976 287 475 298 559 823 887 367 291 882 970 251 301 859 281 355 443 923 200 $y^{17} x^7 -$
6 996 236 817 360 438 951 446 367 460 119 182 925 920 608 333 670 155 770 682 746 201 600 $y^{16} x^7 +$
172 046 076 846 920 917 020 627 207 853 920 865 825 576 727 101 458 196 197 059 397 724 800 $y^{15} x^7 -$
3 377 532 044 141 326 264 787 357 996 754 244 429 468 131 496 546 842 587 827 636 686 753 600 $y^{14} x^7 +$
53 252 571 469 552 630 060 177 595 268 257 451 236 271 021 843 103 187 291 044 745 533 258 800 $y^{13} x^7 -$
676 433 090 485 458 001 199 939 991 065 608 423 073 437 256 193 139 681 562 823 364 389 710 400 $y^{12} x^7 +$
6 924 965 119 793 191 361 629 883 828 041 549 829 194 595 050 235 922 364 957 640 511 936 945 600 $y^{11} x^7 -$
56 999 714 934 824 331 039 160 331 328 761 029 933 399 094 294 030 583 610 382 942 544 115 065 600 $y^{10} x^7 +$
375 164 120 613 187 563 956 801 431 246 301 837 433 261 189 203 932 493 226 583 679 760 153 888 000 $y^9 x^7 -$
1 956 786 386 243 506 963 817 664 759 064 091 472 465 290 780 483 507 740 720 981 779 998 337 100 800 $y^8 x^7 +$
7 979 317 746 962 480 404 872 689 183 602 429 911 290 765 082 742 975 428 747 010 444 344 924 902 400 $y^7 x^7 -$
24 944 291 358 051 659 876 342 034 336 291 084 517 720 800 182 556 869 275 124 739 039 624 038 092 800 $y^6 x^7 +$
58 099 794 129 107 296 573 493 503 794 838 395 021 551 382 273 197 861 017 530 408 776 950 978 560 000 $y^5 x^7 -$
96 602 766 389 851 158 335 995 926 073 563 255 889 113 074 562 540 865 268 901 573 228 007 219 200 000 $y^4 x^7 +$
107 054 889 691 542 158 465 865 394 653 234 675 774 277 635 148 651 073 478 708 926 363 959 296 000 000 $y^3 x^7 -$
69 786 915 729 095 534 512 225 006 420 425 997 202 965 719 551 438 042 184 006 927 364 718 592 000 000 $y^2 x^7 +$

19 832 295 317 613 503 018 933 668 675 141 815 759 054 887 130 231 059 326 980 795 059 404 800 000 000 $y x^7 -$
 5 002 170 316 884 343 941 599 047 697 653 541 249 024 000 $y^{27} x^6 +$
 42 519 253 555 482 684 932 195 530 363 301 133 820 982 722 560 $y^{26} x^6 -$
 60 028 508 672 277 077 097 162 690 488 982 362 611 776 466 944 000 $y^{25} x^6 +$
 33 653 464 162 373 964 151 812 256 302 520 197 253 438 285 438 156 800 $y^{24} x^6 -$
 9 995 260 436 557 273 275 282 203 954 302 577 831 301 851 532 332 544 000 $y^{23} x^6 +$
 1 819 454 703 949 233 892 501 853 780 991 760 093 554 725 418 663 921 868 800 $y^{22} x^6 -$
 221 521 957 632 513 184 043 344 021 266 413 413 247 036 117 704 978 727 116 800 $y^{21} x^6 +$
 19 107 508 173 789 974 083 404 918 832 747 644 905 021 329 908 718 365 392 179 200 $y^{20} x^6 -$
 1 215 394 474 745 156 885 781 052 793 110 590 286 769 241 243 460 977 373 200 249 600 $y^{19} x^6 +$
 58 685 005 543 964 400 762 959 910 190 203 374 137 249 701 512 583 700 711 292 416 000 $y^{18} x^6 -$
 2 197 255 345 953 118 196 191 902 538 879 059 662 127 889 899 426 743 092 231 227 196 800 $y^{17} x^6 +$
 64 804 536 072 957 238 707 837 820 135 815 609 172 482 554 778 403 958 852 963 390 083 200 $y^{16} x^6 -$
 1 522 906 171 156 943 406 662 553 393 053 229 258 104 942 062 164 460 543 798 836 763 506 000 $y^{15} x^6 +$
 28 744 391 065 527 083 753 484 140 652 725 553 801 453 003 848 473 334 300 990 175 339 228 000 $y^{14} x^6 -$
 437 956 684 272 836 237 994 826 201 621 409 313 283 668 183 836 590 037 197 488 703 260 051 600 $y^{13} x^6 +$
 5 399 205 511 181 199 320 518 449 364 450 661 891 009 478 756 126 054 464 477 579 663 568 705 600 $y^{12} x^6 -$
 53 845 381 076 042 367 498 716 740 625 793 856 235 633 504 383 124 150 123 160 462 752 601 234 240 $y^{11} x^6 +$
 433 138 014 470 631 028 281 201 608 076 260 241 480 180 562 909 741 289 276 366 779 327 677 715 200 $y^{10} x^6 -$
 2 793 958 422 466 062 868 696 063 015 644 626 577 611 111 077 725 689 301 601 844 777 996 871 212 800 $y^9 x^6 +$
 14 317 467 116 507 148 339 689 284 427 874 699 008 979 320 612 707 163 389 196 374 753 787 217 792 000 $y^8 x^6 -$
 57 487 577 080 095 509 039 070 942 979 841 893 886 448 064 895 690 974 095 781 515 980 193 459 686 400 $y^7 x^6 +$
 177 308 464 944 280 025 219 238 780 662 793 213 370 886 574 278 685 753 529 042 040 879 592 323 543 040 $y^6 x^6 -$
 408 196 085 897 091 619 648 611 616 385 706 885 927 423 706 614 844 861 709 651 096 176 701 155 328 000 $y^5 x^6 +$
 671 959 828 975 331 076 999 541 775 707 219 999 410 590 373 145 555 935 912 697 877 917 564 968 960 000 $y^4 x^6 -$
 738 409 313 169 003 694 937 678 796 818 399 454 048 266 233 482 085 366 113 160 814 779 858 944 000 000 $y^3 x^6 +$
 478 025 517 857 245 965 140 563 293 479 929 560 746 280 645 712 613 217 752 472 591 675 201 945 600 000 $y^2 x^6 -$
 135 108 625 491 078 489 824 850 119 340 400 007 795 341 879 764 531 832 867 461 904 481 648 640 000 000 $y x^6 +$
 535 649 431 205 226 865 666 037 218 740 368 599 706 173 440 $y^{27} x^5 -$
 1 602 501 531 250 373 845 587 890 647 860 840 945 475 499 753 472 $y^{26} x^5 +$
 1 430 847 545 204 568 878 264 896 028 992 530 895 283 889 677 107 200 $y^{25} x^5 -$
 603 003 155 335 392 275 445 949 329 782 888 864 784 800 053 460 582 400 $y^{24} x^5 +$
 146 378 576 025 319 582 057 550 188 516 068 543 306 057 292 868 189 245 440 $y^{23} x^5 -$
 22 877 584 545 087 862 898 012 191 578 974 303 493 051 559 610 223 150 397 440 $y^{22} x^5 +$
 2 470 053 457 311 947 084 701 800 420 597 285 959 211 666 535 552 841 927 884 800 $y^{21} x^5 -$
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 11 341 939 827 811 653 041 901 791 114 473 896 701 091 834 186 221 691 881 540 778 240 $y^{19} x^5 -$
 511 763 135 384 122 251 244 877 426 367 617 899 481 053 332 672 387 106 785 721 153 920 $y^{18} x^5 +$
 18 088 092 207 615 933 745 771 378 796 673 856 961 378 325 375 742 434 055 757 564 945 280 $y^{17} x^5 -$
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 11 431 850 251 095 402 051 636 158 480 269 726 176 214 573 717 251 628 986 770 511 794 126 640 $y^{15} x^5 -$
 207 890 698 958 524 072 381 019 728 967 244 730 797 629 775 495 607 831 830 447 912 963 447 240 $y^{14} x^5 +$
 3 066 156 628 390 865 207 366 753 428 707 265 681 974 388 663 718 285 280 989 208 578 109 571 440 $y^{13} x^5 -$
 36 738 236 687 680 392 040 677 983 474 536 269 383 699 631 812 778 216 106 018 962 141 752 519 520 $y^{12} x^5 +$
 357 327 714 225 786 995 806 524 792 906 523 853 073 195 929 329 438 878 976 922 378 281 913 016 768 $y^{11} x^5 -$
 2 811 800 873 324 288 362 311 812 072 155 166 300 547 955 520 027 490 676 865 033 877 263 159 068 800 $y^{10} x^5 +$

17789731427044331046278199923397718359596452585232204667695561814622938958080 $y^9x^5 -$
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 $y^6x^5 +$
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 $y^3x^5 -$
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 $x^5 + 789216983859127048518585408476942944446596947783184956860129300785922048000000$
 $yx^5 + 2635033316337820263541727506803002162626560y^{28}x^4 -$
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 86141069962476900036714296439270053127545298132894783488592273600 $y^{19}x^4 +$
 3649392616453721828355307247187169332250096589007082941352926483600 $y^{18}x^4 -$
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 $y^7x^4 +$
 5470790382392128426635629005125479659905866789549544761189588491709886191854080
 $y^6x^4 -$
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 $y^4x^4 -$
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 $y^2x^4 -$

3 843 024 872 584 931 067 660 243 249 368 169 963 344 021 392 645 107 885 267 149 181 303 521 280 000 000 $y x^4 -$
 195 080 325 092 148 990 684 692 526 808 865 417 233 694 720 $y^{28} x^3 +$
 650 342 412 537 726 921 773 285 236 333 096 555 616 187 187 200 $y^{27} x^3 -$
 647 299 086 076 865 954 382 204 493 555 353 277 713 732 227 235 840 $y^{26} x^3 +$
 304 277 403 416 845 829 692 974 113 389 026 626 396 271 340 791 398 400 $y^{25} x^3 -$
 82 462 032 228 745 138 384 478 057 981 408 071 445 101 871 067 645 542 400 $y^{24} x^3 +$
 14 405 374 374 679 595 584 778 279 679 090 019 363 395 340 806 006 203 596 800 $y^{23} x^3 -$
 1 741 012 747 703 671 496 286 212 433 424 556 907 111 662 405 856 606 226 944 000 $y^{22} x^3 +$
 152 774 356 386 303 575 406 713 474 243 431 743 072 658 383 197 113 594 589 798 400 $y^{21} x^3 -$
 10 075 360 582 163 966 897 263 202 388 596 945 460 487 129 420 734 438 686 363 289 600 $y^{20} x^3 +$
 512 235 878 764 746 290 814 026 554 561 803 157 016 683 507 917 999 181 249 239 577 600 $y^{19} x^3 -$
 20 461 425 487 780 802 425 781 361 735 246 882 900 152 742 478 347 885 825 706 313 452 800 $y^{18} x^3 +$
 651 411 481 070 464 615 645 927 845 262 865 952 654 109 737 450 569 868 718 082 739 648 000 $y^{17} x^3 -$
 16 704 159 859 971 631 457 236 334 972 669 492 395 640 683 834 650 725 605 641 272 681 395 200 $y^{16} x^3 +$
 347 644 624 024 834 000 404 668 971 166 726 141 929 427 056 649 315 765 237 417 446 340 155 200 $y^{15} x^3 -$
 5 901 531 471 773 930 559 869 915 443 809 046 879 848 514 664 706 704 623 292 360 820 119 660 400 $y^{14} x^3 +$
 81 937 792 379 013 113 380 282 237 786 629 263 284 314 571 184 577 929 388 735 404 910 653 112 480 $y^{13} x^3 -$
 930 912 751 285 705 356 568 028 277 061 359 169 822 425 218 022 295 461 504 405 797 173 770 696 000 $y^{12} x^3 +$
 8 639 453 493 609 392 146 016 469 504 246 969 557 872 195 483 124 140 350 141 260 491 597 465 349 760 $y^{11} x^3 -$
 65 226 462 330 421 683 851 764 331 884 449 423 597 289 824 282 934 684 145 910 819 249 958 311 980 800 $y^{10} x^3 +$
 397 869 828 785 404 286 947 721 713 096 965 248 617 515 340 280 165 038 917 204 813 383 227 179 456 000 $y^9 x^3 -$
 1 940 944 888 390 722 415 706 495 729 065 877 755 602 077 574 323 301 200 700 180 480 238 545 537 530 880
 $y^8 x^3 +$
 7 463 627 106 894 184 201 458 468 632 896 238 564 310 294 239 399 224 503 793 658 374 865 226 685 593 600
 $y^7 x^3 -$
 22 166 139 045 528 541 153 402 668 584 761 511 233 039 729 124 523 360 198 748 385 741 839 281 642 332 160
 $y^6 x^3 +$
 49 381 940 025 897 261 820 873 824 878 421 975 777 629 502 215 283 354 635 915 398 268 355 105 165 312 000
 $y^5 x^3 -$
 79 027 074 070 799 180 811 385 276 549 295 030 764 919 521 598 081 381 668 661 418 237 890 206 679 040 000
 $y^4 x^3 +$
 84 789 223 315 060 243 791 334 952 296 852 993 192 727 157 170 536 347 660 675 424 325 446 926 336 000 000
 $y^3 x^3 -$
 53 816 499 016 566 867 947 482 177 667 853 999 100 425 454 110 509 467 668 399 812 305 622 689 382 400 000
 $y^2 x^3 +$
 14 975 438 298 403 492 453 230 244 290 493 358 383 783 875 235 154 859 586 371 110 189 200 834 560 000 000
 $y x^3 -$ 536 090 374 088 829 242 532 285 900 844 422 116 474 880 $y^{29} x^2 +$
 5 657 746 634 970 922 793 771 022 392 548 536 785 837 752 320 $y^{28} x^2 -$
 9 921 955 413 744 971 776 921 415 228 617 897 271 086 471 987 200 $y^{27} x^2 +$
 6 916 383 575 399 950 913 632 708 600 455 684 894 256 628 565 442 560 $y^{26} x^2 -$
 2 558 064 180 911 070 347 795 316 763 528 516 338 124 765 105 451 520 000 $y^{25} x^2 +$
 581 066 782 841 528 476 920 471 930 676 979 146 411 185 980 905 498 214 400 $y^{24} x^2 -$
 88 516 446 848 976 981 716 754 337 864 926 587 607 139 396 593 340 536 960 000 $y^{23} x^2 +$
 9 584 362 936 895 252 294 080 939 154 770 851 842 380 246 616 046 125 511 936 000 $y^{22} x^2 -$
 768 347 480 438 128 583 917 965 388 345 275 896 081 636 389 732 994 862 698 515 200 $y^{21} x^2 +$
 46 979 599 940 489 981 784 850 480 444 131 670 575 640 960 157 524 702 833 416 448 000 $y^{20} x^2 -$

2 239 940 450 912 077 274 211 936 517 392 341 769 206 400 531 796 061 248 406 472 465 600 $y^{19} x^2 +$
 84 681 684 521 725 324 144 468 136 781 042 248 699 877 233 667 547 772 258 361 839 433 600 $y^{18} x^2 -$
 2 570 553 457 328 063 208 792 619 820 825 252 091 880 218 789 978 601 858 931 899 380 716 400 $y^{17} x^2 +$
 63 239 267 307 217 445 125 032 504 449 791 340 006 469 244 507 021 984 219 938 942 321 523 200 $y^{16} x^2 -$
 1 269 206 564 462 791 599 167 008 225 114 783 887 981 034 939 269 082 185 942 256 374 484 597 500 $y^{15} x^2 +$
 20 869 023 982 305 177 946 770 428 497 630 350 218 847 948 982 514 826 336 347 310 021 568 346 520 $y^{14} x^2 -$
 281 707 785 741 884 203 384 660 469 752 653 184 060 276 876 011 002 312 083 447 511 797 931 303 280 $y^{13} x^2 +$
 3 121 903 095 508 485 460 727 949 671 824 487 106 673 686 030 973 871 439 087 430 153 826 163 544 800 $y^{12} x^2 -$
 28 342 169 971 570 732 075 473 451 164 641 647 764 056 362 854 623 181 227 938 433 933 530 551 090 240 $y^{11} x^2 +$
 209 845 991 720 672 262 852 514 732 382 031 567 101 867 994 476 151 952 755 571 725 557 924 030 006 400
 $y^{10} x^2 -$
 1 258 112 794 425 993 519 437 525 393 305 872 863 897 607 783 256 281 914 275 172 931 175 402 470 001 920
 $y^9 x^2 +$
 6 044 544 126 088 596 968 034 089 248 118 866 894 175 412 220 213 836 058 204 882 652 380 678 478 830 080
 $y^8 x^2 -$
 22 932 815 442 588 548 709 850 111 088 801 009 610 678 950 522 076 933 230 880 373 913 691 807 376 896 000
 $y^7 x^2 +$
 67 308 453 145 215 357 402 879 096 848 371 457 086 972 519 490 720 084 074 592 004 225 047 807 300 567 040
 $y^6 x^2 -$
 148 414 857 028 448 726 789 003 996 154 813 145 035 946 174 139 666 421 022 741 681 530 979 220 963 328 000
 $y^5 x^2 +$
 235 411 144 209 839 552 718 658 685 417 418 614 000 424 745 589 587 190 467 558 869 783 764 223 836 160 000
 $y^4 x^2 -$
 250 676 167 305 347 511 949 751 571 662 718 640 982 059 214 152 685 937 192 893 432 090 051 248 128 000 000
 $y^3 x^2 +$
 158 114 068 678 318 352 372 889 460 460 040 484 338 696 628 699 603 765 971 159 349 855 572 433 305 600 000
 $y^2 x^2 -$
 43 780 621 266 278 566 283 547 940 068 785 233 065 226 416 950 253 804 625 746 489 519 258 992 640 000 000
 $y x^2 + 20 553 108 431 800 815 012 705 672 221 764 474 105 036 800 y^{29} x -$
 76 063 757 757 124 603 614 069 569 581 495 276 491 990 958 080 $y^{28} x +$
 84 072 430 245 524 894 965 608 240 073 717 768 489 674 751 918 080 $y^{27} x -$
 43 911 079 512 926 301 358 698 383 143 230 099 051 375 869 400 514 560 $y^{26} x +$
 13 233 120 346 591 641 970 758 208 016 849 604 722 354 480 941 149 081 600 $y^{25} x -$
 2 573 326 045 323 922 029 666 408 102 710 331 348 042 716 649 947 609 395 200 $y^{24} x +$
 346 664 683 480 527 119 796 977 708 517 498 593 740 826 083 488 841 556 044 800 $y^{23} x -$
 33 962 290 553 357 970 427 973 318 021 019 091 804 559 973 769 868 952 824 064 000 $y^{22} x +$
 2 505 446 104 702 226 404 826 174 684 323 454 452 607 589 715 757 476 158 809 798 400 $y^{21} x -$
 142 811 638 901 172 996 163 932 306 314 036 182 006 384 188 578 947 060 909 120 224 000 $y^{20} x +$
 6 412 982 635 231 287 717 827 066 310 736 816 905 456 116 620 519 797 549 071 203 675 200 $y^{19} x -$
 230 231 426 462 468 506 220 587 039 806 355 567 039 504 578 824 229 635 724 374 171 750 400 $y^{18} x +$
 6 681 823 736 241 160 834 710 669 269 835 773 983 181 493 534 665 443 091 995 887 005 103 600 $y^{17} x -$
 158 052 494 958 215 018 465 382 658 795 048 947 478 304 931 266 620 361 032 384 102 693 904 400 $y^{16} x +$
 3 064 538 326 432 434 622 563 380 577 774 122 516 739 014 416 590 310 186 778 414 182 581 312 900 $y^{15} x -$
 48 879 119 871 466 716 607 101 892 390 400 288 059 559 465 120 226 043 554 795 467 077 491 875 400 $y^{14} x +$
 642 297 455 561 307 224 570 234 071 386 703 135 174 113 044 175 212 345 239 156 518 779 797 095 120 $y^{13} x -$
 6 950 291 703 487 943 495 414 355 246 115 847 480 159 847 115 210 351 504 346 536 812 860 916 220 320 $y^{12} x +$

61 777 566 713 261 336 005 070 671 926 370 548 484 173 100 049 744 718 668 230 428 120 446 991 387 840 $y^{11} x -$
 448 896 040 425 910 316 199 063 606 795 314 961 493 459 541 033 668 927 016 192 964 650 140 737 878 400 $y^{10} x +$
 2 646 873 931 419 617 182 761 647 894 309 113 249 471 936 972 584 979 803 613 398 603 523 188 678 086 400 $y^9 x -$
 12 530 639 160 377 099 199 762 664 989 500 683 090 136 709 102 614 353 063 906 674 715 584 175 182 097 920
 $y^8 x +$
 46 925 839 684 405 335 233 246 413 562 855 434 792 071 658 185 808 218 921 255 032 677 356 985 021 317 120
 $y^7 x -$
 136 161 127 443 854 161 970 957 999 335 467 645 763 361 252 553 301 082 123 354 147 489 102 166 397 501 440
 $y^6 x +$
 297 248 936 281 246 788 279 183 864 919 786 146 638 104 281 311 029 028 339 822 004 089 200 833 650 688 000
 $y^5 x -$
 467 431 424 850 134 663 226 711 994 539 646 779 655 684 111 863 818 603 503 281 965 965 217 626 767 360 000
 $y^4 x +$
 494 094 778 871 862 214 973 002 980 432 971 217 326 987 004 697 763 345 272 864 483 460 274 212 044 800 000
 $y^3 x -$
 309 753 638 318 912 913 796 533 064 831 930 947 930 830 380 139 815 067 223 578 365 814 901 021 081 600 000
 $y^2 x +$
 85 353 873 438 481 633 182 129 715 807 753 642 986 187 270 564 786 097 183 146 922 661 422 039 040 000 000
 $yx + 17 571 936 630 058 236 520 938 261 088 651 439 865 856 y^{30} -$
 205 488 668 832 774 834 964 952 399 877 912 540 085 207 040 $y^{29} +$
 399 384 356 663 861 731 131 917 594 390 034 460 244 703 272 960 $y^{28} -$
 308 676 970 608 926 201 861 852 928 479 695 289 623 628 326 662 144 $y^{27} +$
 126 662 424 501 457 348 259 737 159 696 231 466 814 713 606 525 835 264 $y^{26} -$
 31 948 845 786 249 127 912 928 514 199 818 680 771 151 912 576 012 364 800 $y^{25} +$
 5 410 465 388 092 018 280 642 268 349 959 024 924 026 992 095 842 805 603 840 $y^{24} -$
 652 166 701 327 016 507 990 560 761 653 092 753 199 462 503 196 924 163 674 880 $y^{23} +$
 58 299 476 900 999 491 132 438 955 436 341 443 614 560 264 187 858 518 294 759 040 $y^{22} -$
 3 982 815 922 438 373 284 850 846 755 817 067 551 523 451 172 628 813 807 851 420 480 $y^{21} +$
 212 668 775 507 751 516 017 168 424 199 101 791 841 448 078 380 120 281 049 324 727 840 $y^{20} -$
 9 028 672 362 741 084 144 276 318 007 827 369 735 689 259 114 534 771 176 997 953 442 640 $y^{19} +$
 308 745 278 826 725 983 559 119 787 626 294 791 333 068 598 746 948 119 977 764 680 270 920 $y^{18} -$
 8 588 000 506 017 326 395 043 645 116 927 209 989 022 024 468 474 050 206 183 062 762 345 060 $y^{17} +$
 195 712 235 831 976 682 259 778 017 996 055 448 650 512 660 700 323 633 374 587 251 818 933 290 $y^{16} -$
 3 672 150 442 099 229 791 253 129 239 089 981 310 730 459 106 230 506 040 001 287 972 741 076 849 $y^{15} +$
 56 893 931 723 796 729 057 077 824 204 760 239 043 797 047 381 762 531 027 776 183 710 998 673 170 $y^{14} -$
 728 609 885 565 103 225 562 942 253 752 905 797 780 610 660 946 330 524 430 616 097 051 285 473 780 $y^{13} +$
 7 705 978 804 385 650 255 933 953 056 963 463 231 512 628 353 418 252 974 968 581 279 088 841 963 816 $y^{12} -$
 67 115 497 468 933 622 180 677 610 069 483 367 306 962 368 509 148 604 720 852 239 724 775 088 849 456 $y^{11} +$
 478 941 960 078 819 924 325 785 298 826 661 325 664 433 952 552 007 800 810 540 474 195 520 379 831 904 $y^{10} -$
 2 779 009 418 605 773 654 878 974 642 548 256 502 149 024 995 722 859 178 693 059 890 357 430 821 791 680 $y^9 +$
 12 969 926 319 044 900 441 813 569 862 700 119 038 144 725 954 607 378 952 492 283 960 121 760 668 625 280 $y^8 -$
 47 962 198 036 230 549 944 766 307 256 138 362 457 747 619 086 151 481 546 298 847 661 900 136 189 792 256 $y^7 +$
 137 631 432 857 600 160 056 393 183 993 753 859 518 643 636 041 923 753 013 945 865 833 566 102 469 677 056
 $y^6 -$
 297 555 168 577 406 569 387 607 070 957 580 744 789 534 775 046 991 880 302 964 582 225 786 209 676 083 200
 $y^5 +$

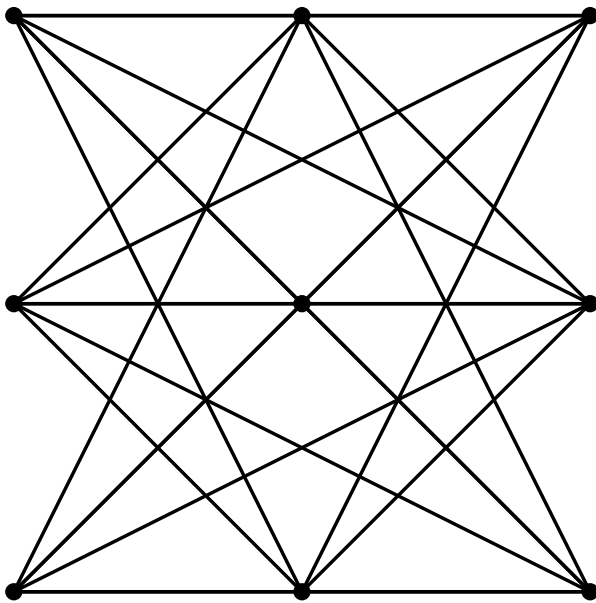
```

463 995 849 057 774 194 980 163 052 300 796 710 432 110 151 095 571 968 534 191 838 171 879 660 089 344 000
  y4 -
486 960 794 136 108 178 934 395 180 784 341 533 251 485 071 154 406 848 597 930 713 397 951 071 191 040 000
  y3 +
303 467 370 116 480 110 060 153 476 597 316 636 999 915 644 023 402 896 608 623 652 563 178 352 803 840 000
  y2 -
83 226 265 423 282 442 839 586 108 558 074 658 943 605 865 906 354 611 654 559 612 803 542 941 696 000 000 y}

```

The first example for Theorem 14 is given by the graph below.

```
ShowGraph[G5 = CompleteKPartiteGraph[3, 3, 3]]
```



Similar to the results for the last two examples, the implementation "BivariatePolynomialAGM1" computes the polynomial very slowly, although the graph is not large.

```
Timing[BivariatePolynomialAGM1[G5, x, y]]
```

```
[Dauer
```

```
{90.2934, x9 - 27 x7 y + 108 x6 y + 216 x5 y2 - 423 x5 y - 1242 x4 y2 +
1476 x4 y - 558 x3 y3 + 4698 x3 y2 - 4305 x3 y + 2916 x2 y3 - 12 582 x2 y2 + 9738 x2 y +
324 x y4 - 7236 x y3 + 21 942 x y2 - 15 048 x y - 756 y4 + 7848 y3 - 18 918 y2 + 11 828 y}
```

The implementation "BivariatePolynomialAGM2" is again much faster.

Timing[BivariatePolynomialAGM2[G5, x, y]]

[Dauer

{1.46641, $x^9 - 27x^7y + 108x^6y^2 + 216x^5y^3 - 423x^5y^4 - 1242x^4y^2 + 1476x^4y^3 - 558x^3y^3 + 4698x^3y^2 - 4305x^3y + 2916x^2y^3 - 12582x^2y^2 + 9738x^2y + 324xy^4 - 7236xy^3 + 21942xy^2 - 15048xy - 756y^4 + 7848y^3 - 18918y^2 + 11828y$ }

The most advantageous method is our equation from Theorem 14.

Timing[Expand[

[Dauer [multipliziere aus

Sum[Binomial[3, i] * Sum[Binomial[i, t] * 3^(i - t) * Sum[Binomial[9 - 2i - t, 1] * Binomialkoeffizient [s... Binomialkoeffizient [s... Binomialkoeffizient [s... Binomialkoeffizient (x - y)^(9 - 2i - t - 1) * FunctionExpand[FactorialPower[y, i + 1]], multipliziere Funktio... Faktorielle {1, 0, 9 - 2i - t}], {t, 0, i}], {i, 0, 3}]]]

{0., $x^9 - 27x^7y + 108x^6y^2 + 216x^5y^3 - 423x^5y^4 - 1242x^4y^2 + 1476x^4y^3 - 558x^3y^3 + 4698x^3y^2 - 4305x^3y + 2916x^2y^3 - 12582x^2y^2 + 9738x^2y + 324xy^4 - 7236xy^3 + 21942xy^2 - 15048xy - 756y^4 + 7848y^3 - 18918y^2 + 11828y$ }

As a second example we choose the graph below.

G6 = CompleteKPartiteGraph[3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3];

Again, even the implementation "BivariatePolynomialAGM2" has a too long running time.

TimeConstrained[BivariatePolynomialAGM2[G6, x, y];, 3600]

[zeitbeschränkt

\$Aborted

Our formula from Theorem 14 comes to a result after about 1 minute.

Timing[Expand[

[Dauer [multipliziere aus

Sum[Binomial[20, i] * Sum[Binomial[i, t] * 3^(i - t) * Sum[Binomial[60 - 2i - t, 1] * Binomialkoeffizient [s... Binomialkoeffizient [s... Binomialkoeffizient [s... Binomialkoeffizient (x - y)^(60 - 2i - t - 1) * FunctionExpand[FactorialPower[y, i + 1]], multipliziere Funktio... Faktorielle {1, 0, 60 - 2i - t}], {t, 0, i}], {i, 0, 20}]]]

{7.28525, $x^{60} - 1710yx^{58} + 64980yx^{57} + 1365435y^2x^{56} - 2730300yx^{56} - 100195740y^2x^{55} + 120222348yx^{55} - 677191920y^3x^{54} + 5867582850y^2x^{54} - 5415839230yx^{54} + 71877271320y^3x^{53} - 316211989320y^2x^{53} + 246384932760yx^{53} + 234067910490y^4x^{52} - 5304170856420y^3x^{52} + 16285106790585y^2x^{52} - 11230569411210yx^{52} - 31898818957320y^4x^{51} + 334522346615640y^3x^{51} -$

$$\begin{aligned}
& 812\,743\,895\,442\,240\,y^2x^{51} + 510\,221\,318\,244\,960\,yx^{51} - 59\,975\,662\,371\,228\,y^5x^{50} + 2\,798\,112\,806\,525\,700\,y^4x^{50} - \\
& 19\,264\,299\,402\,755\,340\,y^3x^{50} + 39\,544\,229\,293\,914\,006\,y^2x^{50} - 23\,018\,635\,861\,439\,292\,yx^{50} + \\
& 9\,824\,015\,490\,216\,120\,y^5x^{49} - 199\,932\,816\,198\,222\,360\,y^4x^{49} + 1\,042\,698\,806\,850\,699\,360\,y^3x^{49} - \\
& 1\,881\,000\,027\,215\,241\,660\,y^2x^{49} + 1\,028\,412\,842\,189\,594\,040\,yx^{49} + 11\,831\,198\,000\,193\,090\,y^6x^{48} - \\
& 985\,661\,387\,392\,435\,920\,y^5x^{48} + 12\,626\,682\,742\,599\,304\,680\,y^4x^{48} - 53\,833\,978\,270\,641\,980\,880\,y^3x^{48} + \\
& 87\,584\,462\,582\,800\,665\,015\,y^2x^{48} - 45\,403\,349\,307\,473\,348\,910\,yx^{48} - 2\,232\,542\,672\,471\,405\,160\,y^6x^{47} + \\
& 77\,873\,994\,978\,924\,656\,520\,y^5x^{47} - 732\,157\,173\,871\,320\,495\,600\,y^4x^{47} + 2\,673\,285\,898\,112\,257\,597\,200\,y^3x^{47} - \\
& 3\,994\,113\,956\,749\,998\,798\,240\,y^2x^{47} + 1\,977\,343\,829\,407\,092\,775\,680\,yx^{47} - \\
& 1\,842\,119\,410\,129\,363\,080\,y^7x^{46} + 249\,230\,142\,821\,552\,959\,260\,y^6x^{46} - 5\,306\,409\,276\,440\,201\,079\,660\,y^5x^{46} + \\
& 39\,788\,757\,391\,785\,003\,713\,520\,y^4x^{46} - 128\,312\,367\,753\,648\,424\,044\,240\,y^3x^{46} + \\
& 178\,405\,474\,968\,177\,452\,876\,160\,y^2x^{46} - 84\,822\,843\,528\,964\,435\,484\,160\,yx^{46} + \\
& 388\,648\,311\,622\,835\,038\,560\,y^7x^{45} - 21\,362\,129\,134\,680\,638\,396\,880\,y^6x^{45} + \\
& 325\,887\,838\,140\,359\,050\,038\,144\,y^5x^{45} - 2\,051\,355\,458\,310\,341\,798\,339\,280\,y^4x^{45} + \\
& 5\,970\,992\,294\,773\,908\,040\,359\,600\,y^3x^{45} - 7\,804\,090\,890\,134\,014\,878\,564\,960\,y^2x^{45} + \\
& 3\,579\,539\,696\,922\,675\,455\,277\,696\,yx^{45} + 230\,279\,507\,734\,093\,099\,245\,y^8x^{44} - \\
& 47\,270\,592\,696\,444\,941\,201\,400\,y^7x^{44} + 1\,549\,126\,149\,127\,623\,215\,733\,150\,y^6x^{44} - \\
& 18\,487\,158\,889\,389\,469\,846\,431\,660\,y^5x^{44} + 101\,102\,634\,627\,863\,951\,139\,124\,590\,y^4x^{44} - \\
& 269\,900\,654\,240\,654\,438\,537\,252\,160\,y^3x^{44} + 334\,216\,961\,512\,420\,575\,412\,616\,760\,y^2x^{44} - \\
& 148\,433\,868\,847\,864\,045\,650\,146\,400\,yx^{44} - 53\,111\,144\,788\,077\,363\,196\,320\,y^8x^{43} + \\
& 4\,328\,118\,354\,163\,722\,735\,280\,320\,y^7x^{43} - 99\,729\,912\,112\,920\,992\,303\,087\,760\,y^6x^{43} + \\
& 983\,359\,295\,380\,634\,999\,580\,172\,080\,y^5x^{43} - 4\,787\,294\,536\,134\,997\,919\,392\,653\,360\,y^4x^{43} + \\
& 11\,864\,493\,454\,226\,820\,957\,622\,917\,360\,y^3x^{43} - 14\,007\,108\,084\,842\,295\,030\,708\,119\,520\,y^2x^{43} + \\
& 6\,042\,004\,776\,277\,946\,622\,012\,009\,600\,yx^{43} - 23\,388\,383\,895\,191\,269\,755\,390\,y^9x^{42} + \\
& 6\,920\,968\,647\,194\,286\,057\,166\,320\,y^8x^{42} - 330\,098\,185\,634\,549\,697\,655\,540\,200\,y^7x^{42} + \\
& 5\,858\,542\,469\,130\,271\,557\,427\,695\,420\,y^6x^{42} - 49\,521\,527\,331\,666\,667\,803\,892\,419\,660\,y^5x^{42} + \\
& 218\,510\,124\,413\,498\,786\,916\,871\,962\,480\,y^4x^{42} - 507\,550\,946\,680\,427\,466\,559\,396\,138\,200\,y^3x^{42} + \\
& 574\,213\,254\,549\,939\,314\,835\,440\,581\,680\,y^2x^{42} - 241\,186\,246\,815\,114\,357\,394\,862\,318\,400\,yx^{42} + \\
& 5\,792\,743\,344\,446\,613\,918\,390\,420\,y^9x^{41} - 668\,189\,963\,377\,216\,920\,867\,191\,280\,y^8x^{41} + \\
& 22\,069\,666\,722\,903\,797\,072\,118\,304\,080\,y^7x^{41} - 319\,443\,422\,827\,391\,863\,415\,140\,974\,120\,y^6x^{41} + \\
& 2\,376\,484\,986\,066\,506\,256\,992\,595\,262\,200\,y^5x^{41} - 9\,635\,719\,529\,425\,828\,187\,158\,003\,409\,040\,y^4x^{41} + \\
& 21\,137\,113\,306\,525\,541\,327\,599\,413\,795\,840\,y^3x^{41} - 23\,012\,837\,950\,583\,860\,307\,664\,116\,832\,000\,y^2x^{41} + \\
& 9\,432\,995\,340\,742\,187\,858\,442\,457\,344\,000\,yx^{41} + 1\,945\,847\,460\,158\,640\,810\,956\,799\,y^{10}x^{40} - \\
& 797\,565\,807\,525\,073\,054\,714\,015\,500\,y^9x^{40} + 53\,043\,887\,495\,153\,424\,341\,385\,427\,140\,y^8x^{40} - \\
& 1\,332\,334\,161\,625\,674\,004\,616\,547\,467\,640\,y^7x^{40} + 16\,349\,862\,490\,387\,877\,558\,479\,068\,234\,756\,y^6x^{40} - \\
& 109\,163\,485\,174\,622\,555\,671\,664\,578\,113\,780\,y^5x^{40} + 411\,134\,446\,131\,818\,249\,814\,345\,896\,248\,260\,y^4x^{40} - \\
& 857\,020\,752\,762\,877\,686\,227\,190\,317\,323\,200\,y^3x^{40} + 901\,130\,539\,324\,006\,010\,507\,265\,920\,234\,160\,y^2x^{40} - \\
& 361\,150\,524\,114\,621\,365\,926\,201\,700\,260\,800\,yx^{40} - 509\,994\,647\,591\,771\,278\,060\,045\,020\,y^{10}x^{39} + \\
& 80\,286\,983\,037\,592\,579\,906\,649\,383\,500\,y^9x^{39} - 3\,651\,613\,186\,732\,504\,140\,496\,484\,239\,920\,y^8x^{39} + \\
& 73\,994\,715\,905\,007\,902\,562\,112\,631\,081\,040\,y^7x^{39} - 791\,555\,900\,141\,235\,267\,746\,406\,972\,542\,520\,y^6x^{39} + \\
& 4\,814\,793\,708\,400\,481\,331\,834\,640\,491\,138\,360\,y^5x^{39} - 16\,990\,201\,247\,205\,462\,814\,403\,873\,922\,255\,840\,y^4x^{39} + \\
& 33\,828\,336\,456\,640\,656\,316\,494\,201\,089\,586\,720\,y^3x^{39} - 34\,455\,398\,162\,313\,953\,352\,470\,649\,035\,281\,920\,y^2x^{39} + \\
& 13\,523\,602\,264\,912\,848\,496\,119\,099\,020\,121\,600\,yx^{39} - 133\,329\,195\,078\,999\,364\,972\,121\,400\,y^{11}x^{38} + \\
& 73\,309\,615\,074\,332\,950\,486\,511\,989\,170\,y^{10}x^{38} - 6\,572\,301\,390\,049\,927\,034\,716\,907\,348\,070\,y^9x^{38} + \\
& 224\,908\,138\,400\,089\,078\,099\,071\,552\,101\,040\,y^8x^{38} - 3\,827\,880\,148\,292\,498\,031\,232\,886\,314\,008\,120\,y^7x^{38} + \\
& 36\,444\,515\,225\,755\,282\,120\,993\,039\,443\,546\,300\,y^6x^{38} - 204\,355\,408\,927\,407\,579\,669\,348\,485\,410\,639\,860\,y^5x^{38} + \\
& 680\,437\,752\,070\,429\,101\,651\,789\,372\,786\,730\,440\,y^4x^{38} -
\end{aligned}$$

$$\begin{aligned}
& 1\,299\,615\,974\,144\,109\,547\,416\,734\,838\,611\,236\,560\,y^3x^{38} + \\
& 1\,285\,566\,547\,656\,468\,409\,549\,127\,957\,949\,622\,560\,y^2x^{38} - \\
& 494\,867\,960\,746\,139\,086\,808\,753\,987\,892\,028\,800\,yx^{38} + 36\,517\,659\,145\,846\,627\,130\,412\,324\,840\,y^{11}x^{37} - \\
& 7\,618\,065\,676\,029\,655\,935\,049\,930\,199\,400\,y^{10}x^{37} + 462\,171\,136\,783\,906\,420\,342\,816\,679\,136\,360\,y^9x^{37} - \\
& 12\,642\,553\,599\,553\,207\,926\,274\,231\,434\,164\,400\,y^8x^{37} + 186\,046\,474\,677\,280\,126\,909\,062\,317\,121\,918\,960\,y^7x^{37} - \\
& 1\,601\,874\,948\,943\,159\,333\,261\,612\,992\,654\,514\,560\,y^6x^{37} + \\
& 8\,359\,118\,940\,742\,052\,620\,734\,337\,544\,005\,458\,240\,y^5x^{37} - \\
& 26\,417\,193\,636\,563\,898\,748\,750\,341\,496\,440\,766\,800\,y^4x^{37} + \\
& 48\,578\,619\,739\,769\,995\,826\,223\,535\,113\,962\,827\,200\,y^3x^{37} - \\
& 46\,773\,486\,220\,672\,509\,433\,837\,744\,326\,861\,090\,240\,y^2x^{37} + \\
& 17\,680\,957\,615\,001\,025\,127\,636\,126\,926\,605\,971\,200\,yx^{37} + 7\,547\,845\,364\,669\,847\,119\,326\,437\,240\,y^{12}x^{36} - \\
& 5\,422\,789\,517\,200\,608\,326\,186\,298\,714\,660\,y^{11}x^{36} + 637\,567\,424\,873\,303\,989\,598\,354\,256\,336\,225\,y^{10}x^{36} - \\
& 28\,840\,090\,830\,071\,071\,604\,540\,317\,542\,566\,010\,y^9x^{36} + 657\,331\,435\,410\,130\,912\,378\,799\,114\,426\,448\,090\,y^8x^{36} - \\
& 8\,547\,519\,392\,179\,008\,292\,275\,316\,486\,222\,303\,800\,y^7x^{36} + \\
& 67\,400\,107\,885\,851\,572\,325\,803\,444\,464\,773\,441\,510\,y^6x^{36} - \\
& 329\,868\,875\,406\,787\,101\,639\,338\,521\,147\,073\,594\,460\,y^5x^{36} + \\
& 994\,321\,899\,451\,116\,302\,102\,081\,419\,178\,240\,395\,290\,y^4x^{36} - \\
& 1\,765\,951\,378\,619\,723\,233\,906\,786\,033\,892\,802\,389\,160\,y^3x^{36} + \\
& 1\,658\,277\,214\,022\,771\,492\,986\,100\,682\,760\,296\,423\,960\,y^2x^{36} - \\
& 616\,260\,571\,437\,813\,284\,884\,945\,601\,773\,790\,920\,800\,yx^{36} - 2\,136\,548\,146\,265\,654\,348\,672\,238\,900\,600\,y^{12}x^{35} + \\
& 576\,432\,921\,714\,731\,032\,014\,155\,193\,915\,528\,y^{11}x^{35} - 45\,453\,402\,495\,506\,770\,676\,537\,416\,296\,979\,824\,y^{10}x^{35} + \\
& 1\,630\,618\,932\,213\,134\,227\,082\,642\,072\,014\,522\,800\,y^9x^{35} - \\
& 31\,908\,707\,646\,750\,915\,412\,572\,516\,958\,655\,027\,760\,y^8x^{35} + \\
& 372\,840\,538\,525\,343\,562\,539\,828\,625\,497\,576\,423\,568\,y^7x^{35} - \\
& 2\,720\,030\,824\,998\,268\,671\,294\,681\,037\,627\,098\,334\,032\,y^6x^{35} + \\
& 12\,566\,170\,152\,292\,143\,675\,820\,759\,215\,398\,594\,646\,768\,y^5x^{35} - \\
& 36\,279\,604\,910\,591\,185\,709\,838\,471\,827\,152\,974\,828\,480\,y^4x^{35} + \\
& 62\,400\,173\,325\,906\,769\,893\,757\,845\,781\,263\,295\,066\,944\,y^3x^{35} - \\
& 57\,244\,596\,825\,381\,188\,668\,880\,555\,175\,897\,034\,842\,624\,y^2x^{35} + \\
& 20\,935\,371\,512\,067\,045\,637\,386\,850\,969\,213\,466\,219\,520\,yx^{35} - 353\,470\,315\,607\,051\,850\,304\,709\,907\,240\,y^{13}x^{34} + \\
& 324\,625\,424\,575\,417\,388\,569\,059\,456\,944\,700\,y^{12}x^{34} - 48\,925\,343\,377\,761\,956\,443\,431\,722\,582\,045\,820\,y^{11}x^{34} + \\
& 2\,854\,164\,424\,303\,975\,959\,453\,505\,721\,815\,079\,550\,y^{10}x^{34} - \\
& 84\,723\,610\,812\,681\,925\,546\,594\,618\,821\,926\,956\,560\,y^9x^{34} + \\
& 1\,455\,826\,744\,969\,846\,469\,124\,523\,995\,779\,062\,938\,720\,y^8x^{34} - \\
& 15\,490\,067\,850\,764\,146\,471\,153\,040\,551\,016\,809\,563\,600\,y^7x^{34} + \\
& 105\,428\,006\,250\,358\,753\,244\,292\,425\,619\,143\,864\,446\,980\,y^6x^{34} - \\
& 462\,262\,359\,236\,304\,923\,316\,013\,367\,538\,503\,585\,304\,660\,y^5x^{34} + \\
& 1\,282\,860\,079\,570\,977\,986\,430\,766\,514\,443\,489\,914\,781\,440\,y^4x^{34} - \\
& 2\,141\,914\,277\,840\,237\,665\,438\,538\,988\,904\,437\,803\,049\,840\,y^3x^{34} + \\
& 1\,922\,569\,179\,596\,197\,366\,001\,661\,432\,265\,522\,134\,588\,480\,y^2x^{34} - \\
& 692\,564\,469\,187\,737\,415\,468\,407\,334\,923\,293\,119\,526\,400\,yx^{34} + \\
& 102\,373\,065\,075\,675\,819\,685\,447\,964\,312\,640\,y^{13}x^{33} - 34\,997\,790\,102\,822\,624\,028\,382\,758\,542\,042\,360\,y^{12}x^{33} + \\
& 3\,510\,414\,635\,104\,430\,291\,953\,490\,821\,122\,813\,840\,y^{11}x^{33} - \\
& 161\,303\,071\,621\,152\,027\,762\,818\,962\,322\,730\,643\,260\,y^{10}x^{33} + \\
& 4\,085\,645\,610\,284\,166\,548\,262\,038\,166\,297\,397\,690\,560\,y^9x^{33} - \\
& 62\,732\,255\,011\,018\,612\,957\,270\,716\,241\,957\,685\,665\,920\,y^8x^{33} +
\end{aligned}$$

614366209724383107639761991195259022803920 $y^7x^{33} -$
3928217567825291609886665828361666506554680 $y^6x^{33} +$
16422338119972481488294634676299771514208680 $y^5x^{33} -$
43944573099846174499344564876167145084686400 $y^4x^{33} +$
71372526712710601189661848662463824807562720 $y^3x^{33} -$
62766904156385663596091915504775766247176320 $y^2x^{33} +$
22289268218602801451480330023053617324313600 $yx^{33} +$
13687672863894478694542984726980 $y^{14}x^{32} -$ 15772641689159120459124071667622440 $y^{13}x^{32} +$
2989226040883657310094558891903935100 $y^{12}x^{32} -$
220323790818382490219976763235065626600 $y^{11}x^{32} +$
8326170341075601847025518517309025696645 $y^{10}x^{32} -$
184170208383720904797489278791584100215630 $y^9x^{32} +$
2562055967030323660395336183876512321476080 $y^8x^{32} -$
23299659332091005102848405749834488215044360 $y^7x^{32} +$
140774050320451282726084365154784708234763780 $y^6x^{32} -$
563365480838434556400417417462509869148873580 $y^5x^{32} +$
1457527663956474178997147438138999501108332320 $y^4x^{32} -$
2306985467424178040059604875147710552261079440 $y^3x^{32} +$
1990174904191338369973907099553553562173402560 $y^2x^{32} -$
697212005452224176976584942718257527285516800 $yx^{32} -$
4018117767876119505700007305554240 $y^{14}x^{31} +$
1710546356981450335101070213858259520 $y^{13}x^{31} -$
214309822830199658184929775271218879840 $y^{12}x^{31} +$
12367306956788119830250084653657299579040 $y^{11}x^{31} -$
396636772189567778053048440741512535028920 $y^{10}x^{31} +$
7800800302233490133202331294164012116160600 $y^9x^{31} -$
99429959198616349710477843523292912601420240 $y^8x^{31} +$
845856943863918946170279513267925429943318640 $y^7x^{31} -$
4853309965967851814143758096045724559227275240 $y^6x^{31} +$
18656301212214241915082826060298924847642109000 $y^5x^{31} -$
46778129896216364025273888326875583322132579840 $y^4x^{31} +$
72274365066783915360941026793488215609752673120 $y^3x^{31} -$
61228220531315098472026613043811830972457672320 $y^2x^{31} +$
21175150811602148319471709381471564428063513600 $yx^{31} -$
437392119417875500498562487468672 $y^{15}x^{30} +$ 622369346543706842968932440100396000 $y^{14}x^{30} -$
145905492926139155068197678561945228960 $y^{13}x^{30} +$
13353087797870837213884314681761019157872 $y^{12}x^{30} -$
630353834710919427562190289840194100569376 $y^{11}x^{30} +$
17568583471533997787476495011864012360214956 $y^{10}x^{30} -$
311654386490260134693310327116035415973099980 $y^9x^{30} +$
3673412601140329407410951724968674430950070520 $y^8x^{30} -$
29414663664021527767684225655381189011166899752 $y^7x^{30} +$
160965884716765397860466045664009767720932447572 $y^6x^{30} -$
596134327041619426293499733004467274341073220020 $y^5x^{30} +$
1451667961359696547782964596150765797299385312448 $y^4x^{30} -$
2192594383213043350895180417325356367215048031600 $y^3x^{30} +$

$$\begin{aligned}
& 1\ 825\ 892\ 743\ 009\ 934\ 194\ 103\ 528\ 995\ 329\ 328\ 224\ 145\ 547\ 912\ 256\ y^2\ x^{30} - \\
& 623\ 761\ 924\ 819\ 802\ 964\ 040\ 795\ 164\ 647\ 025\ 457\ 737\ 570\ 977\ 280\ y\ x^{30} + \\
& 128\ 974\ 256\ 819\ 438\ 139\ 535\ 279\ 381\ 602\ 733\ 440\ y^{15}\ x^{29} - \\
& 67\ 352\ 217\ 771\ 261\ 548\ 117\ 217\ 811\ 670\ 396\ 974\ 080\ y^{14}\ x^{29} + \\
& 10\ 376\ 944\ 818\ 706\ 480\ 337\ 432\ 206\ 969\ 009\ 348\ 042\ 560\ y^{13}\ x^{29} - \\
& 739\ 613\ 006\ 291\ 451\ 909\ 337\ 201\ 772\ 388\ 753\ 491\ 702\ 880\ y^{12}\ x^{29} + \\
& 29\ 488\ 057\ 025\ 595\ 973\ 167\ 485\ 610\ 494\ 314\ 481\ 933\ 594\ 640\ y^{11}\ x^{29} - \\
& 727\ 530\ 278\ 543\ 777\ 654\ 287\ 748\ 743\ 902\ 644\ 196\ 205\ 440\ 480\ y^{10}\ x^{29} + \\
& 11\ 776\ 688\ 254\ 889\ 677\ 432\ 699\ 573\ 038\ 246\ 423\ 002\ 606\ 187\ 600\ y^9\ x^{29} - \\
& 129\ 355\ 881\ 390\ 481\ 861\ 916\ 962\ 771\ 844\ 278\ 849\ 014\ 670\ 078\ 080\ y^8\ x^{29} + \\
& 980\ 154\ 974\ 334\ 751\ 729\ 262\ 612\ 643\ 007\ 730\ 662\ 464\ 997\ 296\ 720\ y^7\ x^{29} - \\
& 5\ 134\ 614\ 820\ 599\ 460\ 478\ 970\ 911\ 148\ 907\ 104\ 825\ 983\ 568\ 824\ 640\ y^6\ x^{29} + \\
& 18\ 369\ 056\ 932\ 821\ 644\ 114\ 429\ 759\ 339\ 175\ 833\ 947\ 500\ 763\ 791\ 600\ y^5\ x^{29} - \\
& 43\ 524\ 136\ 050\ 319\ 479\ 243\ 914\ 475\ 528\ 688\ 346\ 331\ 000\ 506\ 477\ 760\ y^4\ x^{29} + \\
& 64\ 349\ 131\ 117\ 604\ 637\ 897\ 938\ 053\ 628\ 711\ 698\ 149\ 908\ 980\ 292\ 160\ y^3\ x^{29} - \\
& 52\ 722\ 783\ 772\ 011\ 413\ 865\ 461\ 365\ 766\ 177\ 242\ 670\ 010\ 166\ 291\ 200\ y^2\ x^{29} + \\
& 17\ 801\ 469\ 582\ 829\ 714\ 929\ 141\ 581\ 404\ 566\ 049\ 899\ 405\ 679\ 872\ 000\ y\ x^{29} + \\
& 11\ 492\ 121\ 586\ 375\ 819\ 346\ 549\ 118\ 833\ 651\ 040\ y^{16}\ x^{28} - \\
& 19\ 913\ 725\ 375\ 647\ 991\ 057\ 608\ 478\ 151\ 420\ 629\ 440\ y^{15}\ x^{28} + \\
& 5\ 693\ 435\ 469\ 093\ 494\ 580\ 601\ 528\ 435\ 319\ 861\ 458\ 320\ y^{14}\ x^{28} - \\
& 637\ 398\ 171\ 905\ 223\ 319\ 691\ 341\ 334\ 165\ 098\ 060\ 170\ 240\ y^{13}\ x^{28} + \\
& 36\ 986\ 499\ 842\ 780\ 547\ 149\ 112\ 558\ 472\ 660\ 845\ 097\ 429\ 440\ y^{12}\ x^{28} - \\
& 1\ 275\ 923\ 094\ 204\ 657\ 152\ 195\ 225\ 246\ 626\ 947\ 776\ 881\ 313\ 640\ y^{11}\ x^{28} + \\
& 28\ 279\ 630\ 857\ 892\ 830\ 244\ 085\ 439\ 040\ 241\ 945\ 163\ 228\ 422\ 670\ y^{10}\ x^{28} - \\
& 421\ 738\ 165\ 123\ 747\ 394\ 729\ 681\ 069\ 317\ 893\ 558\ 507\ 011\ 616\ 780\ y^9\ x^{28} + \\
& 4\ 345\ 128\ 382\ 849\ 851\ 027\ 231\ 417\ 599\ 989\ 520\ 561\ 279\ 215\ 898\ 535\ y^8\ x^{28} - \\
& 31\ 297\ 261\ 831\ 914\ 045\ 476\ 569\ 155\ 445\ 875\ 751\ 219\ 861\ 806\ 587\ 760\ y^7\ x^{28} + \\
& 157\ 461\ 318\ 324\ 422\ 654\ 872\ 382\ 157\ 189\ 959\ 578\ 993\ 781\ 545\ 945\ 470\ y^6\ x^{28} - \\
& 545\ 425\ 984\ 987\ 844\ 521\ 060\ 378\ 749\ 765\ 905\ 085\ 634\ 629\ 589\ 115\ 460\ y^5\ x^{28} + \\
& 1\ 259\ 585\ 569\ 429\ 576\ 039\ 116\ 928\ 752\ 956\ 230\ 650\ 237\ 798\ 575\ 116\ 200\ y^4\ x^{28} - \\
& 1\ 825\ 064\ 549\ 126\ 505\ 715\ 489\ 138\ 940\ 198\ 417\ 951\ 624\ 177\ 507\ 420\ 400\ y^3\ x^{28} + \\
& 1\ 472\ 404\ 221\ 456\ 523\ 738\ 990\ 166\ 711\ 926\ 790\ 545\ 328\ 848\ 629\ 432\ 000\ y^2\ x^{28} - \\
& 491\ 613\ 743\ 544\ 523\ 146\ 870\ 147\ 665\ 793\ 829\ 405\ 173\ 472\ 027\ 200\ 000\ y\ x^{28} - \\
& 3\ 373\ 667\ 853\ 945\ 034\ 199\ 180\ 613\ 270\ 447\ 772\ 800\ y^{16}\ x^{27} + \\
& 2\ 133\ 075\ 752\ 011\ 544\ 242\ 053\ 604\ 446\ 835\ 976\ 280\ 960\ y^{15}\ x^{27} - \\
& 398\ 710\ 049\ 306\ 754\ 066\ 654\ 303\ 742\ 930\ 173\ 846\ 843\ 840\ y^{14}\ x^{27} + \\
& 34\ 599\ 207\ 545\ 155\ 767\ 163\ 345\ 205\ 060\ 422\ 061\ 102\ 952\ 000\ y^{13}\ x^{27} - \\
& 1\ 688\ 355\ 162\ 999\ 010\ 478\ 728\ 378\ 616\ 565\ 068\ 424\ 758\ 928\ 240\ y^{12}\ x^{27} + \\
& 51\ 354\ 048\ 793\ 980\ 503\ 619\ 455\ 710\ 950\ 699\ 986\ 307\ 677\ 786\ 640\ y^{11}\ x^{27} - \\
& 1\ 034\ 817\ 579\ 521\ 180\ 771\ 302\ 749\ 159\ 039\ 936\ 647\ 939\ 390\ 474\ 400\ y^{10}\ x^{27} + \\
& 14\ 332\ 129\ 228\ 862\ 989\ 702\ 024\ 983\ 209\ 648\ 067\ 725\ 462\ 668\ 152\ 960\ y^9\ x^{27} - \\
& 139\ 278\ 783\ 886\ 633\ 945\ 890\ 380\ 798\ 801\ 506\ 904\ 851\ 117\ 425\ 053\ 520\ y^8\ x^{27} + \\
& 957\ 423\ 735\ 298\ 927\ 562\ 933\ 685\ 664\ 064\ 243\ 261\ 053\ 914\ 993\ 396\ 720\ y^7\ x^{27} - \\
& 4\ 639\ 469\ 892\ 772\ 096\ 936\ 402\ 699\ 663\ 458\ 536\ 165\ 900\ 861\ 188\ 734\ 240\ y^6\ x^{27} + \\
& 15\ 592\ 512\ 734\ 183\ 811\ 414\ 533\ 618\ 255\ 521\ 080\ 817\ 568\ 371\ 974\ 989\ 760\ y^5\ x^{27} - \\
& 35\ 148\ 862\ 581\ 782\ 074\ 496\ 235\ 586\ 175\ 204\ 506\ 889\ 453\ 478\ 255\ 683\ 200\ y^4\ x^{27} +
\end{aligned}$$

$$\begin{aligned}
& 49\,965\,267\,879\,292\,492\,987\,636\,946\,986\,632\,580\,156\,967\,330\,044\,316\,160\,y^3x^{27} - \\
& 39\,722\,298\,424\,333\,889\,708\,038\,504\,322\,965\,232\,033\,849\,554\,595\,942\,400\,y^2x^{27} + \\
& 13\,121\,358\,322\,453\,863\,133\,105\,886\,396\,930\,181\,272\,789\,228\,740\,608\,000\,yx^{27} - \\
& 246\,951\,760\,869\,951\,076\,956\,374\,250\,316\,816\,320\,y^{17}x^{26} + \\
& 514\,822\,437\,362\,647\,307\,750\,570\,154\,505\,934\,579\,520\,y^{16}x^{26} - \\
& 177\,290\,763\,142\,950\,347\,299\,086\,406\,625\,963\,186\,172\,480\,y^{15}x^{26} + \\
& 23\,967\,397\,433\,084\,728\,009\,599\,877\,367\,437\,319\,465\,795\,520\,y^{14}x^{26} - \\
& 1\,686\,055\,970\,692\,885\,953\,501\,932\,828\,952\,922\,358\,876\,034\,480\,y^{13}x^{26} + \\
& 70\,909\,776\,354\,823\,706\,207\,144\,845\,065\,437\,532\,496\,980\,087\,480\,y^{12}x^{26} - \\
& 1\,930\,577\,195\,317\,552\,834\,763\,452\,196\,829\,147\,648\,085\,062\,471\,960\,y^{11}x^{26} + \\
& 35\,719\,765\,702\,662\,570\,549\,716\,685\,130\,636\,320\,544\,544\,828\,958\,060\,y^{10}x^{26} - \\
& 462\,572\,436\,391\,290\,801\,972\,550\,702\,008\,332\,173\,767\,436\,624\,894\,770\,y^9x^{26} + \\
& 4\,260\,430\,377\,478\,795\,839\,453\,699\,267\,912\,026\,283\,843\,977\,649\,389\,040\,y^8x^{26} - \\
& 28\,047\,462\,961\,606\,927\,149\,853\,541\,477\,935\,394\,462\,744\,207\,967\,772\,080\,y^7x^{26} + \\
& 131\,236\,488\,964\,765\,059\,982\,242\,362\,482\,322\,335\,010\,351\,025\,376\,848\,420\,y^6x^{26} - \\
& 428\,742\,018\,721\,472\,189\,195\,370\,974\,181\,963\,537\,047\,941\,524\,277\,047\,960\,y^5x^{26} + \\
& 944\,682\,162\,803\,050\,385\,226\,247\,530\,029\,248\,262\,155\,332\,099\,346\,645\,200\,y^4x^{26} - \\
& 1\,318\,789\,239\,150\,656\,267\,424\,533\,399\,558\,129\,679\,736\,783\,888\,778\,149\,920\,y^3x^{26} + \\
& 1\,033\,846\,919\,520\,690\,719\,097\,039\,191\,524\,055\,140\,193\,425\,480\,440\,988\,800\,y^2x^{26} - \\
& 338\,018\,566\,831\,876\,635\,967\,214\,903\,699\,004\,329\,675\,453\,333\,978\,496\,000\,yx^{26} + \\
& 71\,525\,848\,517\,536\,630\,710\,330\,736\,795\,674\,034\,560\,y^{17}x^{25} - \\
& 54\,128\,596\,518\,527\,664\,261\,221\,000\,584\,162\,538\,110\,848\,y^{16}x^{25} + \\
& 12\,130\,118\,089\,665\,761\,121\,947\,500\,642\,618\,735\,103\,084\,928\,y^{15}x^{25} - \\
& 1\,265\,707\,468\,981\,901\,295\,175\,003\,776\,792\,910\,756\,758\,571\,200\,y^{14}x^{25} + \\
& 74\,587\,100\,086\,415\,666\,002\,783\,695\,525\,732\,236\,754\,086\,136\,576\,y^{13}x^{25} - \\
& 2\,755\,953\,269\,729\,754\,540\,461\,619\,359\,741\,749\,974\,591\,449\,780\,400\,y^{12}x^{25} + \\
& 67\,990\,515\,814\,851\,461\,017\,847\,676\,597\,181\,931\,922\,116\,272\,200\,480\,y^{11}x^{25} - \\
& 1\,164\,656\,115\,740\,287\,516\,865\,331\,338\,079\,797\,854\,704\,898\,469\,544\,984\,y^{10}x^{25} + \\
& 14\,184\,485\,720\,621\,108\,240\,538\,377\,087\,453\,394\,004\,708\,484\,456\,287\,212\,y^9x^{25} - \\
& 124\,336\,771\,061\,505\,690\,537\,232\,843\,116\,992\,174\,680\,580\,734\,931\,797\,536\,y^8x^{25} + \\
& 786\,297\,342\,137\,183\,344\,656\,758\,597\,201\,012\,803\,293\,570\,687\,129\,397\,584\,y^7x^{25} - \\
& 3\,560\,611\,813\,816\,595\,976\,995\,187\,947\,440\,709\,233\,767\,387\,659\,199\,878\,376\,y^6x^{25} + \\
& 11\,326\,250\,232\,555\,464\,986\,184\,194\,895\,713\,994\,536\,886\,239\,723\,653\,822\,192\,y^5x^{25} - \\
& 24\,423\,409\,013\,818\,561\,610\,281\,754\,627\,644\,028\,449\,837\,013\,744\,033\,200\,416\,y^4x^{25} + \\
& 33\,513\,374\,880\,937\,018\,694\,172\,800\,357\,988\,700\,925\,401\,556\,692\,843\,722\,816\,y^3x^{25} - \\
& 25\,923\,124\,144\,604\,260\,077\,654\,409\,370\,330\,833\,628\,126\,717\,617\,960\,669\,440\,y^2x^{25} + \\
& 8\,392\,474\,150\,170\,361\,709\,571\,920\,047\,219\,235\,446\,502\,890\,526\,658\,508\,800\,yx^{25} + \\
& 4\,309\,243\,753\,141\,235\,106\,022\,140\,429\,876\,200\,160\,y^{18}x^{24} - \\
& 10\,692\,330\,490\,211\,259\,853\,422\,217\,875\,475\,934\,323\,200\,y^{17}x^{24} + \\
& 4\,386\,876\,036\,258\,448\,577\,852\,817\,312\,042\,722\,978\,375\,040\,y^{16}x^{24} - \\
& 708\,032\,046\,355\,012\,482\,574\,519\,090\,848\,507\,619\,096\,088\,640\,y^{15}x^{24} + \\
& 59\,661\,277\,327\,515\,268\,115\,907\,506\,497\,918\,448\,814\,184\,095\,240\,y^{14}x^{24} - \\
& 3\,019\,394\,758\,696\,714\,794\,965\,878\,855\,570\,455\,467\,024\,762\,152\,080\,y^{13}x^{24} + \\
& 99\,533\,935\,620\,627\,310\,270\,634\,830\,724\,553\,361\,370\,406\,826\,482\,600\,y^{12}x^{24} - \\
& 2\,247\,756\,802\,163\,924\,260\,906\,079\,285\,429\,446\,344\,535\,924\,981\,430\,640\,y^{11}x^{24} + \\
& 35\,898\,355\,510\,508\,435\,273\,339\,219\,716\,943\,112\,319\,452\,028\,052\,285\,595\,y^{10}x^{24} -
\end{aligned}$$

413 248 427 563 232 921 151 067 293 652 274 580 162 812 309 694 952 080 $y^9 x^{24} +$
 3 460 169 270 097 416 794 318 320 099 381 182 257 636 992 554 444 545 920 $y^8 x^{24} -$
 21 076 922 886 760 256 709 828 251 332 691 449 797 236 609 288 776 712 040 $y^7 x^{24} +$
 92 554 843 860 354 985 568 776 490 296 535 241 387 274 007 969 894 033 670 $y^6 x^{24} -$
 287 102 328 464 776 152 115 123 783 888 881 088 131 162 787 287 252 309 780 $y^5 x^{24} +$
 606 561 802 034 319 069 343 983 198 432 840 574 071 636 802 998 840 961 080 $y^4 x^{24} -$
 818 777 865 504 169 606 595 112 737 959 804 037 333 637 228 239 960 873 520 $y^3 x^{24} +$
 625 282 279 934 248 836 982 024 506 009 237 317 783 776 530 188 457 988 800 $y^2 x^{24} -$
 200 522 476 987 957 888 258 669 850 796 141 070 215 834 312 711 882 816 000 $y x^{24} -$
 1 219 882 354 754 235 416 543 093 529 720 809 900 160 $y^{18} x^{23} +$
 1 093 741 858 742 704 441 822 684 391 623 609 810 227 840 $y^{17} x^{23} -$
 290 800 946 887 143 212 957 201 136 865 046 476 489 541 760 $y^{16} x^{23} +$
 36 088 560 305 442 456 505 031 723 621 635 826 235 883 002 240 $y^{15} x^{23} -$
 2 538 418 004 851 574 366 418 455 678 634 503 655 214 967 834 880 $y^{14} x^{23} +$
 112 500 021 867 635 424 526 901 349 082 979 002 567 806 369 225 600 $y^{13} x^{23} -$
 3 350 310 581 714 607 874 731 234 554 062 299 007 515 279 635 598 720 $y^{12} x^{23} +$
 69 849 110 032 367 940 342 256 993 986 877 104 082 794 475 370 071 680 $y^{11} x^{23} -$
 1 046 339 105 533 896 497 558 933 064 304 853 540 918 501 820 790 045 140 $y^{10} x^{23} +$
 11 434 677 723 107 000 914 735 454 619 931 938 884 717 088 437 242 239 300 $y^9 x^{23} -$
 91 750 902 023 782 531 557 528 048 982 201 051 325 788 242 986 069 751 600 $y^8 x^{23} +$
 539 623 162 382 657 709 899 014 320 384 435 611 647 674 398 889 702 226 800 $y^7 x^{23} -$
 2 302 108 554 826 528 717 045 137 156 778 573 718 535 497 672 580 330 990 240 $y^6 x^{23} +$
 6 973 232 836 358 100 031 213 671 995 342 936 496 672 621 278 231 505 118 080 $y^5 x^{23} -$
 14 448 945 471 584 109 615 046 893 106 121 616 399 995 064 768 371 956 295 040 $y^4 x^{23} +$
 19 201 470 820 202 027 691 233 871 405 285 001 828 462 102 142 560 955 404 800 $y^3 x^{23} -$
 14 485 017 745 809 684 514 409 639 440 300 845 444 449 213 933 862 397 440 000 $y^2 x^{23} +$
 4 603 040 907 886 893 473 298 614 122 130 628 444 404 145 261 991 772 160 000 $y x^{23} -$
 60 498 366 539 100 638 352 180 427 925 232 088 320 $y^{19} x^{22} +$
 176 964 936 068 907 061 536 029 782 622 566 158 682 560 $y^{18} x^{22} -$
 85 665 001 176 936 638 642 529 661 214 872 927 202 368 320 $y^{17} x^{22} +$
 16 341 744 334 832 893 663 666 409 199 954 221 187 375 758 400 $y^{16} x^{22} -$
 1 632 039 823 140 285 661 493 468 163 878 982 692 998 521 362 880 $y^{15} x^{22} +$
 98 270 404 140 587 756 918 915 939 197 905 578 731 576 216 796 640 $y^{14} x^{22} -$
 3 873 962 241 259 401 308 904 811 140 009 355 021 504 269 998 728 800 $y^{13} x^{22} +$
 105 311 241 946 061 010 565 189 177 405 155 261 144 132 758 845 763 520 $y^{12} x^{22} -$
 2 041 668 150 690 217 176 753 807 750 501 280 970 276 164 616 692 608 360 $y^{11} x^{22} +$
 28 836 287 165 341 861 099 845 989 737 527 190 654 748 098 754 099 895 270 $y^{10} x^{22} -$
 300 307 573 165 782 037 620 073 420 552 950 615 482 556 099 332 772 758 490 $y^9 x^{22} +$
 2 315 767 766 992 217 731 849 574 106 638 006 977 979 411 540 996 223 907 560 $y^8 x^{22} -$
 13 179 052 836 875 585 860 818 691 894 850 211 112 841 924 471 546 846 952 000 $y^7 x^{22} +$
 54 711 117 870 059 258 900 653 898 905 287 873 100 191 333 266 934 861 348 480 $y^6 x^{22} -$
 162 030 236 236 017 906 519 310 726 452 526 765 996 263 412 616 036 583 107 040 $y^5 x^{22} +$
 329 586 797 688 208 873 467 685 104 046 364 968 237 080 977 975 238 993 784 320 $y^4 x^{22} -$
 431 497 220 183 804 957 355 083 164 324 510 182 726 849 871 921 261 249 175 040 $y^3 x^{22} +$
 321 702 016 589 538 825 123 907 060 260 264 547 813 123 690 065 780 431 769 600 $y^2 x^{22} -$
 101 335 779 237 883 920 470 480 894 609 284 032 543 771 436 076 521 562 112 000 $y x^{22} +$

16 571 338 432 701 719 594 433 156 810 758 738 799 360 $y^{19} x^{21} -$
17 443 653 569 416 256 206 869 685 299 979 611 595 756 800 $y^{18} x^{21} +$
5 451 515 689 252 661 463 890 068 605 472 971 022 960 250 880 $y^{17} x^{21} -$
796 869 151 209 884 109 551 492 952 392 823 967 057 891 286 400 $y^{16} x^{21} +$
66 219 602 980 825 761 771 138 051 958 721 851 244 095 031 811 840 $y^{15} x^{21} -$
3 481 394 573 680 631 571 097 350 476 409 029 586 295 866 907 233 600 $y^{14} x^{21} +$
123 641 932 563 256 356 124 268 715 507 500 283 099 311 114 821 704 000 $y^{13} x^{21} -$
3 094 968 610 157 485 683 079 953 109 796 673 800 330 126 237 406 948 480 $y^{12} x^{21} +$
56 142 419 528 564 443 443 026 427 057 054 899 718 028 161 938 940 572 280 $y^{11} x^{21} -$
751 023 983 596 968 423 229 882 189 015 440 973 765 520 321 514 119 596 440 $y^{10} x^{21} +$
7 478 626 023 223 525 905 481 057 156 494 503 187 982 514 283 813 754 724 040 $y^9 x^{21} -$
55 564 914 461 835 669 087 418 835 886 177 399 810 877 121 340 911 407 772 640 $y^8 x^{21} +$
306 579 766 268 864 177 798 863 299 561 301 860 881 639 750 970 697 056 159 600 $y^7 x^{21} -$
1 240 331 153 274 984 729 477 870 067 670 795 366 601 907 478 865 814 651 263 840 $y^6 x^{21} +$
3 595 543 892 404 215 125 564 164 896 242 937 443 945 033 568 999 450 721 114 560 $y^5 x^{21} -$
7 185 965 910 093 282 338 894 885 820 112 317 100 838 236 211 299 555 690 796 160 $y^4 x^{21} +$
9 274 337 062 252 614 253 653 088 080 056 020 935 714 375 154 852 256 782 848 000 $y^3 x^{21} -$
6 836 777 120 396 177 921 183 771 182 750 729 181 210 944 837 680 336 513 792 000 $y^2 x^{21} +$
2 135 397 607 584 075 979 693 871 056 607 471 494 589 846 757 770 095 687 680 000 $y x^{21} +$
675 338 886 762 750 414 736 453 837 479 565 794 816 $y^{20} x^{20} -$
2 308 962 412 460 100 924 284 421 806 955 674 591 126 400 $y^{19} x^{20} +$
1 307 349 117 032 979 671 044 845 343 280 833 367 031 711 840 $y^{18} x^{20} -$
292 142 112 201 265 302 244 016 840 490 140 749 161 717 172 800 $y^{17} x^{20} +$
34 256 767 413 116 384 959 897 265 353 515 163 896 827 999 652 576 $y^{16} x^{20} -$
2 429 786 151 252 889 830 854 436 748 150 000 309 117 827 936 743 424 $y^{15} x^{20} +$
113 315 276 922 129 803 794 788 140 410 404 990 868 773 750 843 287 520 $y^{14} x^{20} -$
3 664 157 274 724 483 925 106 511 871 675 019 116 415 772 166 559 262 560 $y^{13} x^{20} +$
85 084 655 311 578 849 215 044 928 599 513 717 978 754 368 075 348 494 936 $y^{12} x^{20} -$
1 451 903 958 096 074 201 681 289 848 430 777 576 697 100 110 952 581 207 788 $y^{11} x^{20} +$
18 468 614 716 116 045 627 772 213 282 269 545 773 843 247 212 289 296 406 511 $y^{10} x^{20} -$
176 378 050 662 417 367 451 189 664 038 843 931 598 705 316 127 997 018 779 150 $y^9 x^{20} +$
1 265 512 712 970 014 170 200 083 255 599 072 941 387 123 398 676 836 153 505 066 $y^8 x^{20} -$
6 781 510 472 411 982 275 243 732 867 001 476 117 653 508 071 782 971 842 501 032 $y^7 x^{20} +$
26 773 922 757 191 735 657 527 661 736 743 856 552 425 090 569 654 794 537 046 224 $y^6 x^{20} -$
76 049 849 082 710 581 702 849 525 050 931 857 482 490 220 263 513 957 487 652 160 $y^5 x^{20} +$
149 455 325 628 935 792 299 092 109 314 207 648 789 293 452 306 874 247 604 080 096 $y^4 x^{20} -$
190 264 530 295 132 837 875 059 962 963 017 753 605 152 387 413 603 647 473 142 016 $y^3 x^{20} +$
138 741 672 986 293 111 242 317 132 135 188 649 491 034 898 657 622 097 397 373 440 $y^2 x^{20} -$
42 981 264 426 648 347 675 542 615 801 597 553 025 885 425 940 867 524 468 428 800 $y x^{20} -$
177 020 643 123 285 164 246 410 323 157 643 745 634 560 $y^{20} x^{19} +$
216 990 094 227 250 302 371 696 108 389 889 365 713 565 440 $y^{19} x^{19} -$
79 048 980 418 005 851 157 947 614 762 162 138 384 212 376 320 $y^{18} x^{19} +$
13 492 954 459 872 457 166 365 588 238 599 232 938 351 052 248 320 $y^{17} x^{19} -$
1 312 683 937 980 780 331 040 772 572 522 169 611 890 469 242 947 840 $y^{16} x^{19} +$
81 073 255 198 064 239 834 559 058 300 305 489 819 933 626 181 295 360 $y^{15} x^{19} -$
3 397 624 298 823 037 791 786 886 976 362 993 937 556 627 445 586 030 400 $y^{14} x^{19} +$

$$\begin{aligned}
& 100924426204372317854382535767616546220031861543169782720y^{13}x^{19} - \\
& 2187863964364262659828683773391888216192038111298605366760y^{12}x^{19} + \\
& 35284867648339697150331526566646762947008769118144534707480y^{11}x^{19} - \\
& 428294594655747771223769592091654187088395732683889723962080y^{10}x^{19} + \\
& 3933293841121431507793893657212202919811364359582591319028320y^9x^{19} - \\
& 27309624011288474311233994543719175053987725764032585629488560y^8x^{19} + \\
& 14235917364678920226494351357302633676286228495326422440321840y^7x^{19} - \\
& 549161564274060978639679153701646261550082842181314653914111840y^6x^{19} + \\
& 1529896805040827064033328581471471502603528044008819282428303680y^5x^{19} - \\
& 2958605616897890862015531251071830361352289038045500985114382720y^4x^{19} + \\
& 3717260494334357315668687695237749672954832696233197377676062720y^3x^{19} - \\
& 2682427433496620150671157971852682344480224335736919373589964800y^2x^{19} + \\
& 824449571801271615606375066060831227765074049849403222583296000yx^{19} - \\
& 5905561466191067121672821565821313527040y^{21}x^{18} + \\
& 23418316559909636353475012808096418040031360y^{20}x^{18} - \\
& 15388384379208227257170139248494830963402166400y^{19}x^{18} + \\
& 3995897037694968469393125520077461348625341584320y^{18}x^{18} - \\
& 545569676730606946740526479745328600390649750532800y^{17}x^{18} + \\
& 45181011985110231362465876226353033465994701291698560y^{16}x^{18} - \\
& 2469076365849749792385977604139865291459072009057857920y^{15}x^{18} + \\
& 93989685668259361917889837700569630358663497442725399200y^{14}x^{18} - \\
& 2584174060637923223352990622610457893348405628092325332280y^{13}x^{18} + \\
& 52587587101761303388286996854678241580811245527369860355220y^{12}x^{18} - \\
& 804851697490753280115964776545947105626556123807524120456180y^{11}x^{18} + \\
& 9351507152317128628395295992624851824923495090236827451809410y^{10}x^{18} - \\
& 82782916860757081820787138855542199772629195360051093361921680y^9x^{18} + \\
& 557244814769389015595709619434117323232191868854297660233495440y^8x^{18} - \\
& 2829804560871629218628422671968528329004698256108560980695770440y^7x^{18} + \\
& 10678074949894817204565153136146585876440330895150164141071651440y^6x^{18} - \\
& 29202109405554636484356632953151819708909640597032725405409783520y^5x^{18} + \\
& 55609241394414622746561012321236690361056761585544471851031586240y^4x^{18} - \\
& 68991647936068621027356216551029479266125031320574387835105377280y^3x^{18} + \\
& 49285759012407761738562826147091005943082352033250965761145267200y^2x^{18} - \\
& 15032572102564063117101143650803611999920728356570714825769984000yx^{18} + \\
& 1462849550996058308738155206323886115415040y^{21}x^{17} - \\
& 2072761466404849525120586814936070767056436480y^{20}x^{17} + \\
& 873611613559924094795839224157596094716747709440y^{19}x^{17} - \\
& 172782089153851427457211499608365013015313819103360y^{18}x^{17} + \\
& 1951976348250577797564208992282019092768529144449920y^{17}x^{17} - \\
& 1404081608505704601039598956085113307999613387482682880y^{16}x^{17} + \\
& 68791142348977603535444884284479971396460610164801727360y^{15}x^{17} - \\
& 2400256032257090854482516285718873343430385459596952448640y^{14}x^{17} + \\
& 61481250590777424489112737211157017375286721170810544844800y^{13}x^{17} - \\
& 1180126253668184985526251043100878718825848682162182318555560y^{12}x^{17} + \\
& 17202900324556998360297559448815193696886351599292737375699280y^{11}x^{17} - \\
& 191861780408208345917770142585753092502888311099328035368189300y^{10}x^{17} +
\end{aligned}$$

$$\begin{aligned}
& 1\ 640\ 708\ 930\ 228\ 209\ 407\ 581\ 739\ 576\ 840\ 189\ 829\ 855\ 658\ 980\ 639\ 507\ 879\ 194\ 503\ 760\ y^9\ x^{17} - \\
& 10\ 725\ 484\ 280\ 638\ 413\ 372\ 469\ 573\ 802\ 425\ 740\ 129\ 959\ 080\ 068\ 975\ 211\ 099\ 523\ 895\ 120\ y^8\ x^{17} + \\
& 53\ 130\ 565\ 961\ 907\ 184\ 020\ 128\ 157\ 239\ 237\ 521\ 405\ 532\ 332\ 623\ 256\ 935\ 589\ 794\ 110\ 880\ y^7\ x^{17} - \\
& 196\ 316\ 001\ 806\ 491\ 765\ 860\ 771\ 357\ 185\ 819\ 984\ 451\ 573\ 528\ 210\ 772\ 199\ 449\ 751\ 942\ 400\ y^6\ x^{17} + \\
& 527\ 461\ 374\ 606\ 145\ 214\ 939\ 080\ 788\ 086\ 893\ 379\ 473\ 569\ 375\ 696\ 904\ 017\ 934\ 038\ 487\ 680\ y^5\ x^{17} - \\
& 989\ 705\ 495\ 956\ 436\ 309\ 588\ 980\ 427\ 620\ 877\ 086\ 230\ 343\ 273\ 468\ 484\ 109\ 190\ 488\ 322\ 560\ y^4\ x^{17} + \\
& 1\ 213\ 048\ 804\ 604\ 216\ 293\ 481\ 481\ 126\ 683\ 694\ 573\ 438\ 462\ 873\ 126\ 591\ 098\ 783\ 048\ 509\ 440\ y^3\ x^{17} - \\
& 858\ 177\ 100\ 656\ 525\ 217\ 230\ 404\ 952\ 006\ 099\ 964\ 932\ 458\ 356\ 484\ 673\ 695\ 261\ 533\ 593\ 600\ y^2\ x^{17} + \\
& 259\ 818\ 408\ 455\ 531\ 156\ 623\ 158\ 297\ 428\ 670\ 591\ 281\ 379\ 886\ 516\ 960\ 246\ 572\ 490\ 752\ 000\ y\ x^{17} + \\
& 39\ 695\ 755\ 154\ 002\ 994\ 508\ 909\ 927\ 098\ 869\ 636\ 652\ 160\ y^{22}\ x^{16} - \\
& 181\ 301\ 796\ 247\ 051\ 897\ 435\ 925\ 222\ 756\ 949\ 628\ 208\ 398\ 080\ y^{21}\ x^{16} + \\
& 137\ 287\ 342\ 195\ 196\ 182\ 886\ 455\ 662\ 435\ 455\ 745\ 949\ 422\ 291\ 840\ y^{20}\ x^{16} - \\
& 41\ 126\ 599\ 664\ 743\ 026\ 156\ 904\ 384\ 936\ 319\ 522\ 338\ 129\ 949\ 184\ 000\ y^{19}\ x^{16} + \\
& 6\ 488\ 958\ 325\ 173\ 399\ 728\ 559\ 178\ 136\ 821\ 498\ 210\ 369\ 759\ 338\ 091\ 200\ y^{18}\ x^{16} - \\
& 622\ 483\ 390\ 233\ 985\ 964\ 675\ 410\ 530\ 072\ 109\ 381\ 275\ 326\ 057\ 246\ 821\ 440\ y^{17}\ x^{16} + \\
& 39\ 527\ 506\ 488\ 351\ 075\ 798\ 259\ 563\ 533\ 395\ 273\ 251\ 317\ 878\ 650\ 940\ 409\ 280\ y^{16}\ x^{16} - \\
& 1\ 755\ 256\ 462\ 109\ 393\ 665\ 792\ 338\ 138\ 525\ 397\ 304\ 269\ 510\ 144\ 031\ 717\ 609\ 280\ y^{15}\ x^{16} + \\
& 56\ 570\ 832\ 846\ 634\ 165\ 627\ 484\ 394\ 753\ 664\ 275\ 626\ 998\ 610\ 002\ 174\ 889\ 500\ 620\ y^{14}\ x^{16} - \\
& 1\ 357\ 589\ 277\ 409\ 037\ 389\ 466\ 490\ 214\ 686\ 019\ 699\ 803\ 081\ 098\ 588\ 941\ 375\ 362\ 840\ y^{13}\ x^{16} + \\
& 24\ 683\ 860\ 210\ 141\ 401\ 614\ 963\ 380\ 933\ 376\ 646\ 354\ 947\ 966\ 901\ 389\ 858\ 785\ 564\ 020\ y^{12}\ x^{16} - \\
& 343\ 817\ 753\ 174\ 097\ 162\ 939\ 632\ 447\ 387\ 659\ 872\ 858\ 374\ 321\ 602\ 966\ 990\ 600\ 206\ 600\ y^{11}\ x^{16} + \\
& 3\ 689\ 960\ 181\ 295\ 490\ 544\ 180\ 393\ 949\ 463\ 097\ 660\ 855\ 057\ 631\ 459\ 994\ 411\ 730\ 288\ 255\ y^{10}\ x^{16} - \\
& 30\ 542\ 035\ 499\ 228\ 286\ 512\ 551\ 233\ 292\ 387\ 221\ 983\ 740\ 721\ 015\ 850\ 527\ 573\ 639\ 240\ 130\ y^9\ x^{16} + \\
& 194\ 192\ 386\ 984\ 188\ 682\ 601\ 457\ 720\ 507\ 724\ 889\ 433\ 921\ 186\ 869\ 921\ 619\ 942\ 295\ 520\ 460\ y^8\ x^{16} - \\
& 939\ 518\ 347\ 562\ 754\ 685\ 055\ 947\ 697\ 117\ 223\ 802\ 131\ 208\ 918\ 255\ 316\ 494\ 126\ 199\ 544\ 720\ y^7\ x^{16} + \\
& 3\ 402\ 582\ 601\ 890\ 746\ 989\ 465\ 542\ 410\ 610\ 395\ 569\ 817\ 932\ 769\ 163\ 609\ 413\ 080\ 423\ 258\ 320\ y^6\ x^{16} - \\
& 8\ 988\ 467\ 726\ 882\ 103\ 060\ 996\ 941\ 435\ 741\ 830\ 866\ 950\ 943\ 279\ 464\ 212\ 024\ 267\ 339\ 297\ 440\ y^5\ x^{16} + \\
& 16\ 627\ 970\ 886\ 558\ 165\ 089\ 789\ 050\ 250\ 174\ 263\ 325\ 311\ 743\ 100\ 168\ 066\ 813\ 385\ 840\ 220\ 480\ y^4\ x^{16} - \\
& 20\ 143\ 260\ 369\ 525\ 950\ 827\ 935\ 685\ 562\ 389\ 667\ 752\ 515\ 173\ 366\ 397\ 697\ 286\ 535\ 866\ 465\ 280\ y^3\ x^{16} + \\
& 14\ 117\ 133\ 453\ 581\ 428\ 752\ 825\ 207\ 603\ 006\ 001\ 067\ 739\ 410\ 897\ 539\ 453\ 061\ 811\ 785\ 395\ 200\ y^2\ x^{16} - \\
& 4\ 243\ 460\ 373\ 098\ 034\ 635\ 517\ 318\ 954\ 427\ 116\ 792\ 544\ 561\ 114\ 704\ 093\ 535\ 206\ 165\ 504\ 000\ y\ x^{16} - \\
& 9\ 156\ 677\ 077\ 458\ 902\ 130\ 386\ 350\ 546\ 331\ 474\ 910\ 428\ 160\ y^{22}\ x^{15} + \\
& 14\ 897\ 562\ 845\ 963\ 549\ 015\ 203\ 775\ 251\ 330\ 040\ 933\ 359\ 758\ 336\ y^{21}\ x^{15} - \\
& 7\ 215\ 069\ 715\ 709\ 744\ 042\ 614\ 251\ 980\ 496\ 455\ 770\ 407\ 991\ 951\ 872\ y^{20}\ x^{15} + \\
& 1\ 641\ 896\ 013\ 432\ 599\ 051\ 017\ 500\ 365\ 901\ 841\ 720\ 433\ 655\ 847\ 226\ 880\ y^{19}\ x^{15} - \\
& 213\ 830\ 355\ 742\ 525\ 341\ 117\ 279\ 092\ 453\ 558\ 043\ 815\ 234\ 368\ 432\ 237\ 440\ y^{18}\ x^{15} + \\
& 17\ 776\ 020\ 901\ 425\ 116\ 349\ 967\ 699\ 502\ 802\ 742\ 449\ 958\ 526\ 891\ 526\ 193\ 536\ y^{17}\ x^{15} - \\
& 1\ 009\ 784\ 959\ 366\ 389\ 375\ 441\ 034\ 045\ 908\ 324\ 272\ 348\ 740\ 964\ 493\ 592\ 292\ 736\ y^{16}\ x^{15} + \\
& 41\ 017\ 038\ 327\ 939\ 887\ 737\ 732\ 380\ 380\ 705\ 248\ 928\ 757\ 885\ 810\ 882\ 177\ 897\ 600\ y^{15}\ x^{15} - \\
& 1\ 229\ 199\ 289\ 118\ 510\ 009\ 828\ 604\ 690\ 158\ 496\ 783\ 218\ 488\ 688\ 524\ 077\ 459\ 321\ 600\ y^{14}\ x^{15} + \\
& 27\ 773\ 262\ 857\ 465\ 782\ 502\ 300\ 807\ 717\ 964\ 671\ 711\ 519\ 192\ 790\ 187\ 037\ 221\ 086\ 336\ y^{13}\ x^{15} - \\
& 480\ 124\ 196\ 639\ 078\ 112\ 997\ 707\ 173\ 621\ 929\ 274\ 268\ 014\ 296\ 589\ 373\ 479\ 055\ 886\ 080\ y^{12}\ x^{15} + \\
& 6\ 408\ 605\ 048\ 436\ 042\ 715\ 533\ 028\ 414\ 647\ 023\ 595\ 564\ 774\ 824\ 589\ 690\ 129\ 481\ 377\ 792\ y^{11}\ x^{15} - \\
& 66\ 334\ 914\ 432\ 663\ 331\ 617\ 768\ 674\ 575\ 066\ 109\ 896\ 748\ 327\ 669\ 505\ 200\ 962\ 798\ 464\ 600\ y^{10}\ x^{15} + \\
& 532\ 381\ 620\ 936\ 864\ 975\ 715\ 173\ 021\ 450\ 251\ 759\ 450\ 999\ 104\ 206\ 875\ 274\ 554\ 244\ 318\ 936\ y^9\ x^{15} - \\
& 3\ 296\ 988\ 943\ 016\ 683\ 658\ 163\ 374\ 790\ 468\ 724\ 233\ 626\ 046\ 252\ 202\ 079\ 733\ 833\ 003\ 256\ 864\ y^8\ x^{15} +
\end{aligned}$$

15 596 310 839 759 442 068 003 721 765 148 889 565 652 889 582 803 047 062 954 514 889 152 $y^7 x^{15}$ –
55 411 916 967 923 243 527 701 039 429 380 987 164 576 554 765 878 137 913 998 616 292 480 $y^6 x^{15}$ +
144 021 395 680 550 239 730 927 856 784 625 143 774 593 769 832 155 284 139 337 517 469 056 $y^5 x^{15}$ –
262 819 346 872 786 672 436 177 943 049 620 781 610 594 526 734 818 367 291 169 813 892 608 $y^4 x^{15}$ +
314 810 440 055 451 070 849 944 964 761 033 303 598 053 835 230 318 928 687 854 872 180 736 $y^3 x^{15}$ –
218 635 052 370 935 594 293 959 371 579 286 167 363 929 703 766 146 046 507 258 863 984 640 $y^2 x^{15}$ +
65 263 156 807 457 057 117 337 740 321 271 695 064 169 399 884 936 563 987 835 759 820 800 $y x^{15}$ –
200 179 953 567 726 659 653 920 411 169 227 899 289 600 $y^{23} x^{14}$ +
1 046 357 086 524 125 848 027 847 807 735 781 880 743 283 200 $y^{22} x^{14}$ –
907 209 317 482 965 728 224 519 083 447 590 326 059 349 317 120 $y^{21} x^{14}$ +
311 470 027 881 764 526 451 388 573 087 395 001 772 755 021 794 560 $y^{20} x^{14}$ –
56 406 808 932 111 363 910 698 137 020 283 644 987 454 637 174 773 760 $y^{19} x^{14}$ +
6 223 568 156 787 087 973 693 122 031 023 327 370 730 740 716 037 563 840 $y^{18} x^{14}$ –
455 750 156 444 662 248 397 624 991 874 671 512 583 426 496 073 914 586 560 $y^{17} x^{14}$ +
23 417 723 684 078 795 799 623 157 678 646 085 276 493 291 081 449 058 121 920 $y^{16} x^{14}$ –
876 955 658 612 204 384 447 873 767 603 523 353 871 923 791 441 744 532 520 640 $y^{15} x^{14}$ +
24 577 608 313 298 199 732 647 809 909 043 126 030 955 386 760 980 149 960 481 760 $y^{14} x^{14}$ –
525 114 666 431 287 063 237 986 129 684 258 261 307 185 334 799 369 082 122 229 600 $y^{13} x^{14}$ +
8 659 784 821 468 401 525 635 321 823 679 929 514 225 451 868 867 145 170 594 505 920 $y^{12} x^{14}$ –
111 054 665 415 788 841 440 529 547 882 579 294 343 901 014 557 222 234 590 817 535 280 $y^{11} x^{14}$ +
1 110 930 176 633 407 943 149 861 402 299 420 980 278 966 168 631 567 758 420 207 080 900 $y^{10} x^{14}$ –
8 659 150 985 105 142 930 187 229 179 145 338 174 167 693 192 232 796 265 069 098 422 260 $y^9 x^{14}$ +
52 298 659 904 941 844 288 860 433 732 647 149 846 855 414 872 159 833 472 307 446 292 360 $y^8 x^{14}$ –
242 144 226 929 551 901 190 119 287 613 044 186 851 198 857 235 819 403 358 692 337 777 760 $y^7 x^{14}$ +
844 676 889 257 316 315 941 089 191 307 975 382 142 392 085 419 501 960 353 836 876 051 840 $y^6 x^{14}$ –
2 161 448 762 224 859 897 621 977 203 674 774 241 631 413 532 710 505 829 915 764 185 595 200 $y^5 x^{14}$ +
3 892 913 839 654 139 339 557 432 759 401 250 822 544 547 889 873 674 675 141 532 113 060 480 $y^4 x^{14}$ –
4 612 534 384 028 586 804 189 701 430 226 860 844 785 262 898 159 084 031 181 393 142 016 000 $y^3 x^{14}$ +
3 175 353 811 941 805 893 972 099 849 342 886 839 915 825 985 909 814 231 922 244 160 256 000 $y^2 x^{14}$ –
941 464 710 495 093 099 729 210 013 730 006 008 196 319 894 287 050 367 264 009 533 440 000 $y x^{14}$ +
42 240 798 096 447 473 688 556 308 074 188 438 913 587 200 $y^{23} x^{13}$ –
78 431 068 920 914 645 576 924 915 112 091 629 365 895 905 280 $y^{22} x^{13}$ +
43 378 928 343 811 081 904 823 015 139 045 379 556 609 448 135 680 $y^{21} x^{13}$ –
11 286 123 455 979 641 870 989 421 051 628 801 097 230 117 775 956 480 $y^{20} x^{13}$ +
1 683 236 589 020 890 171 783 891 337 634 914 406 624 586 850 293 090 560 $y^{19} x^{13}$ –
160 598 095 963 419 260 339 171 170 619 279 506 069 355 975 361 375 429 120 $y^{18} x^{13}$ +
10 499 772 011 873 969 230 648 818 917 108 252 010 673 133 631 001 916 666 880 $y^{17} x^{13}$ –
492 572 167 640 365 688 631 837 588 441 637 138 222 848 521 599 709 268 919 680 $y^{16} x^{13}$ +
17 121 031 027 432 951 713 265 058 550 894 437 257 643 978 990 751 301 398 182 400 $y^{15} x^{13}$ –
451 003 720 930 393 829 735 541 298 904 867 386 290 953 126 782 265 492 153 805 120 $y^{14} x^{13}$ +
9 146 819 545 303 838 356 042 139 130 641 685 793 003 109 025 861 448 362 000 912 960 $y^{13} x^{13}$ –
144 324 860 473 374 065 900 480 916 315 296 456 673 270 500 228 133 744 156 780 076 800 $y^{12} x^{13}$ +
1 782 401 850 766 156 026 606 068 299 947 107 776 396 798 104 880 889 360 863 097 008 080 $y^{11} x^{13}$ –
17 263 625 521 500 771 835 805 924 298 326 431 695 137 685 871 678 188 671 654 385 930 480 $y^{10} x^{13}$ +
130 879 369 967 922 768 083 776 335 841 580 827 281 149 722 396 102 142 088 358 983 652 800 $y^9 x^{13}$ –
771 832 037 520 808 904 418 561 109 569 192 870 610 580 485 610 963 744 956 445 015 661 840 $y^8 x^{13}$ +

3 501 059 148 464 259 947 406 346 843 506 203 689 634 567 166 738 588 961 863 730 695 818 880 $y^7 x^{13} -$
 12 000 045 850 330 366 733 978 996 986 846 988 968 755 620 787 540 426 498 302 264 075 291 520 $y^6 x^{13} +$
 30 250 474 972 618 674 535 639 233 057 104 438 270 195 521 143 091 637 986 148 932 500 019 200 $y^5 x^{13} -$
 53 798 497 847 490 104 220 183 831 503 554 435 544 727 201 041 947 798 870 387 890 138 405 120 $y^4 x^{13} +$
 63 076 763 635 207 024 514 537 654 402 966 691 271 872 593 685 083 803 047 145 988 794 521 600 $y^3 x^{13} -$
 43 055 084 670 400 097 794 229 961 567 009 324 259 904 531 441 861 353 306 761 148 681 728 000 $y^2 x^{13} +$
 12 681 900 115 560 079 797 872 651 878 848 141 681 763 184 031 769 955 500 850 474 250 240 000 $y x^{13} +$
 733 639 676 374 520 856 033 653 842 935 333 276 960 000 $y^{24} x^{12} -$
 4 363 342 699 104 073 541 560 437 031 460 718 192 761 779 200 $y^{23} x^{12} +$
 4 306 230 899 049 249 911 423 221 018 378 392 398 946 726 746 880 $y^{22} x^{12} -$
 1 684 307 948 396 824 118 970 347 447 173 663 090 304 553 987 072 000 $y^{21} x^{12} +$
 347 950 118 834 440 564 929 751 193 440 872 973 790 992 067 266 671 360 $y^{20} x^{12} -$
 43 871 497 374 251 399 454 637 890 305 167 198 219 118 274 190 583 245 440 $y^{19} x^{12} +$
 3 679 895 847 319 791 410 584 876 149 113 599 253 055 007 366 973 686 366 560 $y^{18} x^{12} -$
 217 211 589 101 263 571 547 075 597 740 279 995 258 095 268 043 301 120 194 880 $y^{17} x^{12} +$
 9 377 748 905 255 749 744 370 521 963 026 337 955 928 207 711 326 360 380 549 920 $y^{16} x^{12} -$
 304 319 332 705 815 332 562 573 645 462 412 800 780 055 513 301 751 829 670 778 240 $y^{15} x^{12} +$
 7 568 175 632 184 581 124 046 419 988 752 306 199 055 770 225 971 360 676 363 125 600 $y^{14} x^{12} -$
 146 197 408 675 658 446 530 954 224 106 130 148 436 503 685 583 604 508 823 534 614 240 $y^{13} x^{12} +$
 2 213 042 613 174 897 024 945 155 675 180 309 883 878 956 159 564 072 927 303 556 137 920 $y^{12} x^{12} -$
 26 375 966 513 155 610 722 144 042 486 564 735 787 252 523 691 115 061 427 574 163 128 040 $y^{11} x^{12} +$
 247 768 112 612 105 448 883 550 847 595 053 887 461 804 641 240 924 398 022 102 329 528 190 $y^{10} x^{12} -$
 1 829 468 991 803 552 490 918 405 512 444 189 374 738 736 053 715 545 172 047 937 900 329 380 $y^9 x^{12} +$
 10 546 015 854 174 727 321 451 020 827 214 769 157 964 072 756 275 289 950 237 114 141 165 645 $y^8 x^{12} -$
 46 907 431 357 166 091 957 954 902 380 966 541 945 935 464 158 634 887 031 543 176 335 359 480 $y^7 x^{12} +$
 158 088 683 145 663 440 474 219 209 652 329 145 878 308 231 573 528 966 349 290 916 689 867 720 $y^6 x^{12} -$
 392 818 658 104 134 010 775 146 913 724 558 712 522 820 274 281 236 278 665 378 140 636 636 800 $y^5 x^{12} +$
 690 134 534 524 541 325 181 022 221 749 744 716 083 848 614 938 653 938 166 166 205 114 819 280 $y^4 x^{12} -$
 800 975 726 523 946 088 990 693 591 408 875 948 533 605 319 189 393 725 719 111 581 995 798 400 $y^3 x^{12} +$
 542 239 276 455 481 836 283 767 264 908 166 484 098 607 523 229 854 496 018 865 380 013 152 000 $y^2 x^{12} -$
 158 700 691 267 135 507 288 026 061 068 183 936 699 470 156 564 110 016 178 806 484 744 960 000 $y x^{12} -$
 138 463 544 403 979 216 920 112 865 738 594 934 207 744 000 $y^{24} x^{11} +$
 291 773 266 443 638 085 019 903 967 555 571 678 366 999 582 720 $y^{23} x^{11} -$
 183 249 103 059 700 641 774 540 737 220 142 409 829 495 778 944 000 $y^{22} x^{11} +$
 54 193 595 016 577 064 025 481 646 094 413 964 145 828 404 712 995 840 $y^{21} x^{11} -$
 9 200 574 409 652 235 825 662 133 484 435 367 647 144 255 110 048 894 720 $y^{20} x^{11} +$
 1 001 172 892 788 627 554 603 350 814 951 720 448 676 769 858 827 880 474 880 $y^{19} x^{11} -$
 74 834 988 626 243 298 870 808 550 597 583 124 642 314 145 906 747 958 165 760 $y^{18} x^{11} +$
 4 025 859 766 019 043 987 654 684 585 650 290 692 066 836 317 764 645 639 133 440 $y^{17} x^{11} -$
 161 055 265 045 241 508 465 659 000 381 067 493 354 721 371 221 337 436 594 833 920 $y^{16} x^{11} +$
 4 904 590 770 289 041 589 876 433 141 575 672 298 110 705 647 037 626 491 904 806 400 $y^{15} x^{11} -$
 115 605 865 324 865 964 135 040 698 141 551 737 539 815 106 752 135 555 781 257 202 240 $y^{14} x^{11} +$
 2 133 605 836 655 359 208 232 168 036 700 028 185 282 731 666 923 488 124 185 524 995 520 $y^{13} x^{11} -$
 31 059 275 446 395 547 934 596 993 276 338 851 633 643 099 576 167 788 457 845 928 934 960 $y^{12} x^{11} +$
 357 931 504 625 448 746 003 423 278 610 809 322 591 072 849 963 652 786 679 127 402 669 520 $y^{11} x^{11} -$
 3 266 023 781 164 097 969 970 544 772 277 672 641 965 629 066 009 608 732 706 146 190 561 360 $y^{10} x^{11} +$

$$\begin{aligned}
& 23\,517\,006\,247\,361\,628\,888\,249\,825\,648\,311\,917\,217\,602\,721\,631\,520\,741\,168\,992\,778\,103\,498\,640\,y^9x^{11} - \\
& 132\,646\,767\,020\,266\,982\,749\,855\,843\,256\,225\,638\,746\,509\,787\,738\,208\,518\,941\,639\,025\,549\,451\,200\,y^8x^{11} + \\
& 579\,005\,391\,147\,354\,123\,728\,266\,777\,689\,397\,649\,443\,868\,035\,898\,128\,735\,703\,446\,638\,696\,101\,760\,y^7x^{11} - \\
& 1\,920\,017\,791\,342\,484\,124\,944\,182\,398\,736\,652\,201\,346\,641\,687\,963\,525\,711\,425\,958\,530\,384\,869\,120\,y^6x^{11} + \\
& 4\,705\,110\,895\,988\,159\,763\,907\,075\,710\,034\,124\,808\,555\,298\,341\,457\,407\,979\,151\,797\,110\,256\,861\,440\,y^5x^{11} - \\
& 8\,169\,565\,335\,264\,262\,489\,348\,495\,508\,213\,823\,928\,139\,127\,055\,587\,608\,431\,143\,420\,905\,981\,998\,080\,y^4x^{11} + \\
& 9\,388\,886\,560\,777\,070\,276\,742\,070\,820\,910\,088\,149\,271\,106\,442\,811\,614\,673\,410\,690\,636\,707\,942\,400\,y^3x^{11} - \\
& 6\,305\,364\,024\,846\,242\,425\,822\,785\,790\,359\,121\,718\,923\,279\,996\,917\,673\,463\,585\,634\,698\,729\,472\,000\,y^2x^{11} + \\
& 1\,834\,011\,193\,117\,836\,421\,830\,792\,129\,020\,308\,548\,826\,091\,554\,857\,867\,608\,860\,815\,923\,036\,160\,000\,yx^{11} - \\
& 1\,872\,094\,516\,160\,419\,541\,634\,532\,953\,339\,006\,474\,462\,720\,y^{25}x^{10} + \\
& 12\,601\,607\,336\,983\,480\,217\,973\,505\,933\,753\,007\,953\,309\,209\,600\,y^{24}x^{10} - \\
& 14\,080\,500\,415\,636\,767\,934\,800\,608\,990\,156\,470\,669\,900\,882\,897\,920\,y^{23}x^{10} + \\
& 6\,239\,899\,515\,255\,941\,881\,243\,452\,439\,591\,716\,845\,475\,482\,039\,847\,936\,y^{22}x^{10} - \\
& 1\,462\,192\,914\,474\,322\,461\,812\,602\,450\,040\,687\,885\,584\,907\,628\,357\,245\,184\,y^{21}x^{10} + \\
& 209\,451\,440\,139\,088\,711\,123\,585\,878\,772\,302\,394\,979\,847\,458\,061\,672\,768\,384\,y^{20}x^{10} - \\
& 20\,000\,056\,092\,076\,469\,894\,264\,018\,593\,777\,844\,256\,227\,068\,943\,752\,402\,615\,680\,y^{19}x^{10} + \\
& 1\,347\,332\,675\,020\,043\,324\,476\,526\,543\,176\,776\,670\,199\,445\,591\,593\,199\,375\,663\,936\,y^{18}x^{10} - \\
& 66\,593\,830\,116\,984\,051\,374\,844\,380\,916\,114\,528\,787\,142\,466\,747\,239\,250\,366\,888\,768\,y^{17}x^{10} + \\
& 2\,483\,340\,386\,595\,105\,826\,808\,411\,397\,518\,855\,995\,522\,331\,861\,940\,997\,261\,566\,432\,384\,y^{16}x^{10} - \\
& 71\,288\,979\,265\,162\,093\,255\,026\,168\,428\,928\,972\,098\,824\,591\,329\,665\,158\,640\,172\,393\,216\,y^{15}x^{10} + \\
& 1\,598\,207\,611\,258\,407\,285\,036\,486\,297\,830\,471\,066\,180\,186\,886\,026\,218\,664\,361\,951\,833\,376\,y^{14}x^{10} - \\
& 28\,258\,363\,925\,011\,633\,253\,983\,843\,047\,774\,643\,044\,375\,292\,554\,878\,827\,224\,597\,055\,200\,912\,y^{13}x^{10} + \\
& 396\,461\,408\,728\,402\,342\,400\,838\,194\,002\,027\,816\,763\,459\,361\,351\,062\,808\,964\,656\,015\,749\,112\,y^{12}x^{10} - \\
& 4\,425\,497\,871\,308\,386\,490\,230\,201\,226\,282\,651\,556\,840\,855\,792\,469\,146\,680\,549\,091\,941\,634\,648\,y^{11}x^{10} + \\
& 39\,280\,805\,560\,794\,247\,633\,123\,838\,312\,599\,434\,640\,929\,457\,409\,870\,789\,640\,493\,666\,652\,272\,452\,y^{10}x^{10} - \\
& 276\,138\,295\,986\,740\,041\,933\,668\,248\,967\,512\,063\,042\,096\,264\,812\,152\,378\,133\,316\,304\,538\,111\,086\,y^9x^{10} + \\
& 1\,525\,456\,536\,156\,147\,626\,486\,985\,933\,444\,694\,073\,336\,175\,575\,161\,900\,566\,208\,284\,762\,542\,734\,224\,y^8x^{10} - \\
& 6\,539\,580\,536\,399\,482\,691\,803\,218\,479\,200\,796\,268\,272\,381\,395\,576\,728\,017\,136\,364\,847\,424\,827\,376\,y^7x^{10} + \\
& 21\,350\,348\,177\,870\,178\,475\,072\,621\,652\,186\,625\,254\,664\,771\,401\,005\,787\,613\,187\,956\,744\,546\,438\,336\,y^6x^{10} - \\
& 51\,624\,954\,368\,780\,659\,181\,428\,907\,710\,025\,472\,617\,956\,237\,316\,586\,808\,044\,534\,976\,703\,059\,158\,240\,y^5x^{10} + \\
& 88\,623\,534\,241\,115\,074\,344\,209\,265\,664\,682\,509\,098\,212\,223\,607\,112\,683\,889\,935\,810\,921\,243\,328\,256\,y^4x^{10} - \\
& 100\,885\,544\,470\,535\,093\,917\,461\,817\,862\,574\,046\,484\,088\,767\,057\,923\,668\,130\,813\,155\,297\,125\,767\,680\,y^3x^{10} + \\
& 67\,228\,228\,926\,832\,023\,804\,695\,792\,348\,922\,769\,254\,698\,195\,290\,302\,661\,363\,078\,863\,479\,671\,910\,400\,y^2x^{10} - \\
& 19\,436\,575\,250\,342\,443\,760\,026\,808\,369\,883\,284\,173\,833\,014\,843\,817\,482\,054\,441\,726\,957\,985\,792\,000\,yx^{10} + \\
& 306\,713\,157\,708\,812\,733\,606\,091\,861\,128\,733\,612\,192\,281\,600\,y^{25}x^9 - \\
& 729\,741\,041\,490\,284\,288\,925\,208\,133\,715\,742\,054\,397\,468\,313\,600\,y^{24}x^9 + \\
& 517\,742\,161\,406\,629\,333\,341\,559\,988\,294\,939\,065\,827\,143\,758\,387\,200\,y^{23}x^9 - \\
& 173\,121\,542\,101\,176\,050\,995\,478\,507\,280\,858\,041\,634\,304\,121\,008\,174\,080\,y^{22}x^9 + \\
& 33\,273\,699\,881\,117\,913\,527\,344\,421\,570\,953\,821\,810\,178\,286\,417\,910\,328\,320\,y^{21}x^9 - \\
& 4\,105\,908\,920\,158\,925\,368\,089\,203\,919\,128\,429\,156\,897\,686\,411\,657\,288\,554\,240\,y^{20}x^9 + \\
& 348\,774\,670\,680\,567\,206\,053\,790\,899\,789\,912\,810\,939\,937\,842\,142\,658\,348\,917\,760\,y^{19}x^9 - \\
& 21\,378\,640\,853\,310\,046\,895\,611\,432\,797\,986\,112\,177\,214\,206\,204\,555\,545\,840\,787\,840\,y^{18}x^9 + \\
& 977\,599\,014\,536\,719\,228\,830\,468\,834\,757\,895\,910\,471\,003\,273\,795\,260\,891\,389\,092\,480\,y^{17}x^9 - \\
& 34\,159\,610\,122\,636\,882\,110\,924\,212\,114\,941\,849\,063\,611\,392\,382\,907\,342\,198\,934\,265\,600\,y^{16}x^9 + \\
& 928\,103\,275\,977\,050\,902\,257\,081\,408\,583\,038\,433\,609\,006\,542\,697\,668\,235\,022\,618\,398\,080\,y^{15}x^9 - \\
& 19\,851\,830\,391\,311\,687\,875\,425\,803\,930\,457\,812\,578\,838\,816\,238\,117\,871\,037\,432\,051\,963\,520\,y^{14}x^9 +
\end{aligned}$$

$$\begin{aligned}
& 337\,110\,226\,118\,696\,180\,919\,321\,535\,158\,531\,941\,354\,532\,909\,891\,741\,254\,994\,355\,754\,652\,480\,y^{13}x^9 - \\
& 4\,567\,373\,718\,235\,733\,586\,736\,968\,970\,367\,485\,667\,294\,120\,167\,701\,355\,247\,771\,905\,048\,635\,120\,y^{12}x^9 + \\
& 49\,462\,765\,717\,480\,202\,062\,778\,806\,242\,414\,624\,963\,554\,752\,259\,575\,705\,668\,474\,450\,920\,878\,080\,y^{11}x^9 - \\
& 427\,624\,708\,727\,602\,088\,373\,984\,461\,316\,703\,500\,493\,266\,269\,496\,862\,957\,526\,090\,021\,685\,938\,520\,y^{10}x^9 + \\
& 2\,938\,024\,835\,866\,697\,253\,005\,628\,529\,824\,800\,867\,151\,224\,688\,972\,808\,939\,905\,411\,273\,889\,528\,740\,y^9x^9 - \\
& 15\,909\,829\,250\,169\,594\,490\,363\,386\,162\,441\,198\,638\,704\,297\,764\,943\,352\,311\,752\,487\,163\,599\,596\,000\,y^8x^9 + \\
& 67\,033\,011\,477\,469\,645\,545\,345\,474\,260\,734\,716\,279\,206\,834\,294\,161\,303\,394\,343\,211\,580\,026\,962\,720\,y^7x^9 - \\
& 215\,589\,648\,674\,375\,954\,766\,095\,162\,203\,083\,297\,882\,585\,400\,847\,806\,139\,431\,609\,428\,406\,320\,919\,680\,y^6x^9 + \\
& 514\,607\,800\,815\,342\,843\,948\,486\,376\,848\,833\,322\,050\,427\,594\,800\,878\,485\,666\,090\,705\,683\,661\,395\,520\,y^5x^9 - \\
& 873\,753\,507\,932\,988\,609\,514\,726\,821\,874\,078\,808\,433\,391\,367\,591\,987\,595\,868\,719\,287\,411\,241\,607\,680\,y^4x^9 + \\
& 985\,510\,694\,648\,542\,698\,254\,316\,965\,665\,324\,646\,780\,915\,268\,577\,622\,526\,950\,152\,933\,636\,128\,230\,400\,y^3x^9 - \\
& 651\,789\,949\,557\,590\,436\,821\,192\,432\,157\,245\,748\,807\,744\,303\,213\,993\,534\,487\,782\,922\,762\,662\,912\,000\,y^2x^9 + \\
& 187\,335\,814\,801\,335\,109\,896\,667\,970\,732\,328\,440\,726\,933\,503\,440\,276\,892\,857\,589\,476\,576\,706\,560\,000\,yx^9 + \\
& 3\,131\,965\,116\,130\,240\,536\,776\,905\,640\,391\,062\,586\,950\,400\,y^{26}x^8 - \\
& 23\,743\,513\,195\,220\,403\,122\,830\,624\,403\,819\,548\,792\,761\,369\,600\,y^{25}x^8 + \\
& 29\,888\,351\,904\,425\,096\,106\,542\,403\,358\,489\,629\,148\,876\,179\,840\,000\,y^{24}x^8 - \\
& 14\,931\,738\,991\,812\,544\,819\,861\,899\,539\,940\,591\,465\,757\,099\,634\,181\,120\,y^{23}x^8 + \\
& 3\,948\,433\,439\,724\,730\,313\,303\,052\,561\,013\,713\,014\,520\,760\,131\,925\,196\,160\,y^{22}x^8 - \\
& 639\,134\,060\,670\,959\,342\,398\,606\,378\,586\,826\,067\,716\,550\,442\,194\,167\,502\,080\,y^{21}x^8 + \\
& 69\,088\,200\,348\,384\,622\,989\,924\,496\,817\,159\,161\,130\,476\,292\,847\,030\,951\,031\,680\,y^{20}x^8 - \\
& 5\,280\,530\,222\,159\,686\,308\,448\,437\,395\,045\,372\,324\,342\,188\,978\,802\,040\,857\,433\,600\,y^{19}x^8 + \\
& 296\,923\,073\,222\,770\,096\,065\,129\,245\,965\,588\,163\,012\,339\,041\,605\,411\,754\,257\,543\,360\,y^{18}x^8 - \\
& 12\,637\,730\,691\,070\,775\,991\,367\,527\,162\,622\,390\,719\,684\,809\,594\,551\,618\,753\,329\,301\,440\,y^{17}x^8 + \\
& 415\,687\,785\,550\,588\,912\,364\,687\,757\,368\,816\,326\,436\,149\,816\,663\,116\,715\,510\,952\,263\,680\,y^{16}x^8 - \\
& 10\,727\,495\,148\,359\,395\,313\,776\,524\,386\,408\,706\,740\,888\,371\,975\,470\,499\,706\,834\,760\,690\,240\,y^{15}x^8 + \\
& 219\,542\,956\,363\,464\,594\,642\,334\,514\,797\,496\,458\,684\,273\,952\,107\,897\,762\,765\,521\,242\,636\,040\,y^{14}x^8 - \\
& 3\,588\,607\,554\,282\,900\,878\,662\,721\,726\,501\,785\,507\,608\,538\,409\,729\,502\,603\,718\,391\,916\,076\,080\,y^{13}x^8 + \\
& 47\,038\,113\,332\,426\,535\,699\,718\,880\,689\,047\,531\,037\,922\,919\,547\,694\,948\,721\,151\,094\,064\,584\,280\,y^{12}x^8 - \\
& 494\,940\,735\,570\,644\,292\,834\,651\,312\,170\,428\,342\,089\,617\,341\,359\,403\,528\,918\,441\,046\,950\,274\,880\,y^{11}x^8 + \\
& 4\,172\,796\,696\,120\,985\,177\,138\,057\,306\,291\,788\,301\,780\,715\,033\,229\,923\,363\,279\,782\,942\,534\,824\,105\,y^{10}x^8 - \\
& 28\,047\,577\,558\,181\,268\,493\,495\,096\,928\,742\,013\,444\,722\,136\,358\,903\,563\,415\,107\,023\,730\,802\,405\,280\,y^9x^8 + \\
& 149\,002\,783\,720\,343\,501\,825\,868\,605\,268\,548\,759\,292\,972\,882\,666\,420\,580\,493\,651\,943\,320\,758\,945\,800\,y^8x^8 - \\
& 617\,418\,285\,113\,756\,494\,663\,813\,834\,250\,485\,591\,459\,477\,790\,795\,557\,210\,641\,916\,425\,505\,314\,215\,040\,y^7x^8 + \\
& 1\,957\,215\,896\,057\,894\,822\,203\,890\,007\,330\,532\,099\,009\,636\,617\,380\,771\,279\,752\,544\,964\,967\,217\,544\,080\,y^6x^8 - \\
& 4\,613\,945\,767\,530\,417\,213\,765\,736\,221\,883\,872\,732\,793\,927\,075\,435\,460\,934\,840\,204\,080\,012\,325\,795\,840\,y^5x^8 + \\
& 7\,751\,074\,963\,721\,071\,791\,421\,042\,727\,948\,703\,666\,759\,052\,178\,236\,830\,968\,758\,079\,204\,641\,357\,582\,080\,y^4x^8 - \\
& 8\,664\,586\,599\,704\,253\,002\,846\,918\,675\,775\,559\,917\,054\,341\,640\,426\,822\,011\,171\,384\,288\,612\,649\,062\,400\,y^3x^8 + \\
& 5\,688\,657\,727\,960\,434\,088\,027\,641\,735\,382\,627\,068\,560\,628\,701\,705\,293\,978\,622\,413\,333\,030\,889\,472\,000\,y^2x^8 - \\
& 1\,625\,674\,656\,238\,267\,689\,188\,321\,603\,864\,910\,655\,166\,925\,033\,832\,233\,055\,361\,258\,566\,917\,980\,160\,000\,yx^8 - \\
& 426\,922\,805\,045\,195\,299\,735\,475\,016\,726\,224\,965\,276\,646\,400\,y^{26}x^7 + \\
& 1\,141\,453\,310\,936\,479\,364\,161\,578\,148\,527\,255\,523\,115\,502\,873\,600\,y^{25}x^7 - \\
& 910\,484\,038\,276\,970\,811\,481\,529\,842\,941\,126\,356\,166\,765\,547\,776\,000\,y^{24}x^7 + \\
& 342\,545\,963\,749\,405\,741\,763\,917\,943\,920\,546\,956\,752\,389\,762\,045\,163\,520\,y^{23}x^7 - \\
& 74\,159\,348\,211\,683\,486\,388\,568\,269\,677\,063\,274\,987\,486\,395\,840\,482\,759\,680\,y^{22}x^7 + \\
& 10\,323\,262\,009\,020\,486\,677\,122\,813\,299\,347\,099\,851\,747\,220\,149\,935\,225\,523\,200\,y^{21}x^7 - \\
& 991\,085\,668\,455\,705\,802\,761\,472\,657\,989\,526\,644\,486\,027\,781\,205\,821\,103\,239\,680\,y^{20}x^7 +
\end{aligned}$$

68 818 814 459 540 369 593 396 208 057 980 806 566 070 893 351 287 148 432 801 280 $y^{19} x^7 -$
3 574 856 661 641 368 706 321 781 458 120 485 933 006 214 646 197 522 337 980 933 760 $y^{18} x^7 +$
142 372 695 204 950 974 210 724 701 136 958 977 249 318 088 024 579 593 732 457 605 760 $y^{17} x^7 -$
4 426 309 343 541 338 575 459 852 144 973 917 705 396 775 791 174 052 151 602 429 208 960 $y^{16} x^7 +$
108 845 337 997 015 076 031 988 548 610 795 834 730 563 567 768 352 959 715 276 068 752 000 $y^{15} x^7 -$
2 136 749 154 782 877 119 824 872 432 869 301 511 900 649 822 150 200 956 678 476 991 654 720 $y^{14} x^7 +$
33 688 738 061 248 775 449 745 611 181 000 456 456 477 294 051 828 784 887 356 684 835 213 760 $y^{13} x^7 -$
427 917 543 558 719 790 478 073 558 915 547 481 506 638 844 795 605 042 258 932 927 739 151 840 $y^{12} x^7 +$
4 380 713 267 642 248 460 943 108 878 651 304 727 689 798 960 381 789 447 550 095 169 122 903 840 $y^{11} x^7 -$
36 057 261 298 906 206 737 213 721 286 873 106 225 514 308 609 063 645 526 746 613 406 447 784 700 $y^{10} x^7 +$
237 320 318 618 908 586 752 764 902 679 847 636 359 414 092 919 448 555 236 964 491 455 434 454 220 $y^9 x^7 -$
1 237 802 376 082 537 995 861 863 876 392 479 967 252 473 046 585 880 105 638 922 952 130 868 112 960 $y^8 x^7 +$
5 047 409 790 404 131 920 357 707 443 507 509 895 910 328 389 432 028 264 057 440 501 274 710 022 240 $y^7 x^7 -$
15 778 637 114 775 553 177 691 276 199 951 855 899 253 750 146 273 845 991 483 255 849 848 605 647 040 $y^6 x^7 +$
36 750 985 006 667 182 684 193 808 948 063 612 540 511 951 553 089 029 453 139 861 621 984 321 824 960 $y^5 x^7 -$
61 105 535 832 578 870 420 437 307 794 665 306 046 257 719 349 049 114 346 064 060 958 008 575 132 160 $y^4 x^7 +$
67 716 517 294 694 311 953 748 626 868 553 900 299 575 424 884 332 587 633 662 523 377 331 769 164 800 $y^3 x^7 -$
44 142 784 141 882 461 918 052 695 387 049 905 975 756 489 801 638 365 547 634 328 040 059 935 744 000 $y^2 x^7 +$
12 544 599 863 962 910 249 163 371 416 356 636 006 114 912 852 914 377 575 737 783 589 329 387 520 000 $y x^7 -$
3 139 569 462 859 221 289 937 252 186 364 014 521 497 600 $y^{27} x^6 +$
26 684 494 855 696 883 593 901 692 107 448 262 330 504 716 800 $y^{26} x^6 -$
37 670 101 874 439 199 043 712 337 698 274 920 037 940 386 444 800 $y^{25} x^6 +$
21 117 306 783 309 794 389 427 462 591 418 025 881 320 381 249 018 880 $y^{24} x^6 -$
6 271 559 719 256 167 416 925 407 545 078 123 817 133 485 200 710 210 560 $y^{23} x^6 +$
1 141 558 549 844 996 957 413 309 939 107 294 354 223 335 334 250 828 052 480 $y^{22} x^6 -$
138 979 804 600 550 040 248 786 149 682 240 286 219 930 829 050 853 308 088 320 $y^{21} x^6 +$
11 987 238 394 225 118 758 154 040 566 438 983 503 125 182 040 708 151 909 684 480 $y^{20} x^6 -$
762 455 457 482 438 699 419 829 883 635 040 912 747 764 106 036 692 539 678 364 160 $y^{19} x^6 +$
36 813 596 842 050 916 666 589 975 265 799 279 362 070 871 779 516 509 816 099 850 560 $y^{18} x^6 -$
1 378 310 561 692 061 826 116 526 335 350 383 489 419 696 213 741 534 822 241 131 129 280 $y^{17} x^6 +$
40 649 838 514 865 794 100 258 947 169 570 493 373 364 295 117 363 605 647 772 664 310 080 $y^{16} x^6 -$
955 244 847 293 738 186 889 458 015 695 452 131 156 795 206 177 587 282 539 566 262 016 960 $y^{15} x^6 +$
18 029 511 550 668 864 755 720 953 974 288 085 783 264 914 820 237 543 933 813 433 276 335 680 $y^{14} x^6 -$
274 696 005 807 991 887 017 811 154 525 173 493 582 395 960 708 436 051 386 281 657 320 004 160 $y^{13} x^6 +$
3 386 431 796 614 034 255 074 746 223 015 953 152 639 003 219 539 414 159 907 656 097 928 704 880 $y^{12} x^6 -$
33 771 712 871 055 927 043 332 363 247 304 801 869 371 662 482 294 171 607 848 758 686 376 590 760 $y^{11} x^6 +$
271 658 869 644 600 110 244 837 160 844 168 563 915 927 095 091 732 696 751 047 899 419 597 315 130 $y^{10} x^6 -$
1 752 311 104 987 016 238 787 097 864 995 925 959 833 827 529 253 817 002 257 408 949 377 614 036 670 $y^9 x^6 +$
8 979 493 286 763 683 341 933 601 847 710 758 950 938 178 099 650 422 088 535 844 024 680 811 227 840 $y^8 x^6 -$
36 054 097 437 348 771 208 939 376 425 913 464 742 625 629 288 426 919 370 743 752 041 452 749 693 040 $y^7 x^6 +$
111 200 224 487 485 679 127 839 184 439 348 527 642 530 325 294 584 151 878 934 702 311 490 337 038 880 $y^6 x^6 -$
256 000 697 632 072 331 337 025 182 208 107 461 555 842 163 807 829 180 640 199 221 014 595 248 645 600 $y^5 x^6 +$
421 417 204 291 105 514 621 780 626 746 348 257 669 382 708 293 069 266 886 425 480 534 012 953 780 480 $y^4 x^6 -$
463 087 707 996 651 095 810 210 868 429 057 470 852 580 799 710 030 157 147 398 750 764 993 717 414 400 $y^3 x^6 +$
299 788 380 131 813 647 916 202 652 287 806 805 635 666 829 544 525 832 898 096 306 681 052 472 832 000 $y^2 x^6 -$
84 731 504 032 247 954 957 441 869 403 768 752 387 469 384 863 099 703 776 160 759 899 772 559 360 000 $y x^6 +$

333 317 935 925 893 674 069 985 802 483 158 232 179 353 600 $y^{27} x^5 -$
 997 103 557 298 952 492 326 201 137 105 993 109 578 992 322 560 $y^{26} x^5 +$
 890 231 125 807 000 517 036 358 486 612 791 996 061 146 081 925 120 $y^{25} x^5 -$
 375 145 679 867 487 624 996 477 439 093 854 703 609 884 966 818 887 680 $y^{24} x^5 +$
 91 060 868 842 842 990 807 910 638 260 740 920 237 023 787 931 747 731 456 $y^{23} x^5 -$
 14 231 181 588 441 698 299 492 222 225 631 580 494 727 006 874 329 320 487 936 $y^{22} x^5 +$
 1 536 441 335 300 895 087 533 519 077 869 479 645 178 459 183 192 019 267 756 032 $y^{21} x^5 -$
 120 220 362 363 508 565 448 972 523 966 830 852 177 847 030 761 993 019 651 109 376 $y^{20} x^5 +$
 7 054 408 849 424 459 941 407 975 862 538 806 885 159 861 079 490 041 037 799 155 456 $y^{19} x^5 -$
 318 292 711 589 595 283 104 517 167 947 482 568 906 815 195 941 046 645 457 815 073 280 $y^{18} x^5 +$
 11 249 581 246 519 818 239 919 648 465 798 858 502 677 238 423 128 211 554 179 439 182 592 $y^{17} x^5 -$
 315 763 010 550 035 972 267 292 826 608 736 233 819 065 840 002 741 446 714 970 217 281 152 $y^{16} x^5 +$
 7 109 446 966 502 123 134 562 435 171 376 155 261 499 503 798 997 278 229 635 927 138 133 120 $y^{15} x^5 -$
 129 283 741 293 146 455 650 953 117 114 101 906 033 118 951 160 186 566 120 454 058 803 345 984 $y^{14} x^5 +$
 1 906 749 985 334 621 193 252 526 410 349 755 490 275 043 644 610 890 631 012 035 374 117 089 536 $y^{13} x^5 -$
 22 845 948 972 173 860 467 778 482 977 278 910 304 911 513 304 638 603 978 690 607 638 819 124 576 $y^{12} x^5 +$
 222 202 997 300 167 845 786 933 827 995 570 685 308 806 940 434 888 072 703 113 248 031 116 299 176 $y^{11} x^5 -$
 1 748 480 765 973 087 974 862 430 089 473 827 324 728 043 816 088 739 968 596 787 199 144 553 836 888 $y^{10} x^5 +$
 11 062 148 497 289 224 859 638 279 142 326 294 004 486 024 688 662 838 612 442 964 042 418 332 313 720 $y^9 x^5 -$
 55 730 326 471 278 872 072 657 801 685 813 178 205 326 668 281 742 911 168 376 816 562 541 184 770 688 $y^8 x^5 +$
 220 453 961 119 533 159 561 295 326 821 081 794 211 954 567 570 233 616 838 110 881 585 858 296 544 320 $y^7 x^5 -$
 671 143 527 502 227 933 310 598 208 205 038 534 170 068 690 950 947 277 642 636 626 413 835 678 166 912 $y^6 x^5 +$
 1 527 733 896 288 262 546 220 502 208 873 637 977 905 670 481 515 943 972 088 003 699 868 699 269 260 160
 $y^5 x^5 -$
 2 490 626 189 314 143 365 801 772 236 539 017 388 917 459 516 230 283 605 394 902 077 011 937 043 493 888
 $y^4 x^5 +$
 2 714 562 350 681 235 365 168 907 259 360 770 351 745 269 443 308 709 172 204 716 371 119 106 584 176 640
 $y^3 x^5 -$
 1 745 489 114 204 560 438 695 598 126 893 453 431 256 046 645 610 383 193 427 704 045 957 054 434 099 200 y^2
 $x^5 + 490 724 140 352 669 186 387 283 685 768 484 259 204 204 674 621 454 996 239 626 370 098 572 066 816 000$
 $y x^5 + 1 625 815 119 801 416 690 683 841 807 490 790 682 880 000 y^{28} x^4 -$
 15 427 535 685 994 587 196 385 459 302 354 188 591 233 664 000 $y^{27} x^4 +$
 24 320 810 785 352 965 174 921 010 639 548 830 764 493 075 206 400 $y^{26} x^4 -$
 15 233 121 113 384 767 159 971 119 224 724 137 963 480 199 337 177 600 $y^{25} x^4 +$
 5 058 739 148 138 358 478 407 933 268 947 376 454 111 330 146 730 880 000 $y^{24} x^4 -$
 1 030 756 170 462 566 519 463 619 051 167 968 076 186 873 486 942 968 048 640 $y^{23} x^4 +$
 140 672 911 053 025 113 009 154 128 218 407 300 827 513 888 976 131 435 966 720 $y^{22} x^4 -$
 13 624 946 737 797 585 386 725 262 506 172 261 302 454 463 193 710 463 718 868 480 $y^{21} x^4 +$
 975 219 666 927 781 884 503 355 497 657 013 113 212 519 482 418 254 374 988 357 120 $y^{20} x^4 -$
 53 120 353 735 402 713 780 920 013 496 751 655 127 217 460 225 282 641 377 948 940 160 $y^{19} x^4 +$
 2 250 381 674 292 791 332 807 098 990 163 642 793 854 471 140 437 485 761 038 148 079 200 $y^{18} x^4 -$
 75 360 439 666 505 453 176 317 078 693 744 588 926 692 378 792 248 899 969 098 614 083 520 $y^{17} x^4 +$
 2 019 097 901 058 794 344 280 759 619 200 615 630 238 739 853 269 838 805 317 736 036 615 360 $y^{16} x^4 -$
 43 659 332 142 971 241 169 707 325 986 014 619 316 404 791 322 910 520 803 778 273 472 719 040 $y^{15} x^4 +$
 766 405 139 681 918 453 966 892 260 949 322 493 250 185 181 398 370 306 712 211 574 364 634 640 $y^{14} x^4 -$
 10 959 066 260 810 770 850 243 828 451 662 096 512 917 292 359 931 877 601 798 629 845 132 401 120 $y^{13} x^4 +$

127 784 594 586 300 664 061 983 368 905 859 495 921 264 611 873 115 791 861 065 444 077 779 456 760 $y^{12} x^4 -$
1 213 435 146 311 739 041 915 839 532 424 612 666 874 750 338 297 489 591 780 660 487 672 504 967 460 $y^{11} x^4 +$
9 348 807 432 370 011 768 532 214 306 847 404 593 490 003 751 032 730 454 578 896 129 737 393 720 785 $y^{10} x^4 -$
58 056 341 309 712 396 784 672 855 109 465 065 322 515 198 998 060 071 903 356 658 855 745 365 568 930 $y^9 x^4 +$
287 728 326 654 391 342 202 489 870 669 051 195 258 834 993 671 638 213 710 569 725 405 857 943 796 440 $y^8 x^4 -$
1 121 905 577 031 554 036 545 723 781 066 753 243 301 252 525 315 944 250 424 436 496 245 992 566 989 520
 $y^7 x^4 +$
3 372 760 456 206 789 381 962 102 929 142 313 273 477 470 266 608 996 608 652 711 885 354 541 644 831 120
 $y^6 x^4 -$
7 593 933 181 321 676 763 295 149 582 841 147 783 779 584 915 667 353 291 647 290 186 193 130 928 252 960
 $y^5 x^4 +$
12 264 244 725 464 266 611 342 873 807 804 937 153 495 032 293 421 956 636 234 730 792 354 221 963 381 760
 $y^4 x^4 -$
13 260 827 949 033 700 177 672 347 321 850 704 527 008 249 615 655 362 710 797 419 753 130 633 818 252 800
 $y^3 x^4 +$
8 470 897 259 851 382 324 966 818 048 850 437 890 778 235 119 332 773 567 598 489 377 185 189 507 584 000
 $y^2 x^4 -$
2 369 160 641 986 313 272 190 645 695 219 143 638 684 524 882 721 440 211 151 394 877 181 944 094 720 000 $y x^4 -$
119 334 829 793 423 985 096 193 988 669 824 036 123 392 000 $y^{28} x^3 +$
397 795 072 582 404 909 626 619 830 656 276 809 974 539 929 600 $y^{27} x^3 -$
395 903 740 447 497 040 001 324 669 839 828 708 790 139 530 649 600 $y^{26} x^3 +$
186 090 788 469 145 936 165 067 172 680 354 712 558 913 800 151 449 600 $y^{25} x^3 -$
50 429 268 398 002 090 851 869 222 498 908 815 741 397 570 120 019 957 760 $y^{24} x^3 +$
8 809 052 838 309 873 246 733 011 577 934 187 559 350 976 532 984 367 974 400 $y^{23} x^3 -$
1 064 596 268 252 953 915 238 720 652 315 492 389 428 655 763 880 901 258 926 080 $y^{22} x^3 +$
93 414 398 747 231 150 168 493 078 566 980 230 097 521 829 295 453 524 969 175 040 $y^{21} x^3 -$
6 160 361 057 020 715 458 465 163 019 982 727 630 719 130 212 881 837 638 792 121 600 $y^{20} x^3 +$
313 183 897 937 341 907 007 066 491 840 792 255 931 813 953 544 771 185 653 357 812 480 $y^{19} x^3 -$
12 509 808 718 445 430 786 375 821 002 371 006 624 361 834 481 571 337 089 651 299 688 960 $y^{18} x^3 +$
398 251 015 767 645 168 674 491 195 629 247 510 415 093 532 453 092 759 043 925 264 750 080 $y^{17} x^3 -$
10 212 076 157 572 621 102 095 562 589 621 566 445 175 434 722 302 065 026 890 199 334 179 200 $y^{16} x^3 +$
212 526 926 392 071 153 692 393 967 727 093 538 830 615 045 058 764 456 925 639 036 230 961 280 $y^{15} x^3 -$
3 607 723 301 513 207 101 793 353 753 109 794 233 000 466 314 048 840 287 802 352 583 628 754 560 $y^{14} x^3 +$
50 089 157 885 217 839 281 211 501 582 150 335 334 019 300 809 731 065 924 309 821 712 646 008 960 $y^{13} x^3 -$
569 062 907 101 978 325 637 264 028 808 806 231 904 472 491 395 704 879 527 784 154 939 490 260 920 $y^{12} x^3 +$
5 281 170 382 089 791 451 769 968 016 620 410 120 415 426 402 986 712 773 415 119 644 487 692 568 520 $y^{11} x^3 -$
39 871 361 100 899 596 000 364 280 879 290 729 876 855 692 006 676 702 856 423 065 341 424 557 736 640 $y^{10} x^3 +$
243 204 854 769 449 809 215 998 582 085 165 331 278 365 098 705 723 411 452 006 365 669 879 563 551 840 $y^9 x^3 -$
1 186 421 618 870 680 133 884 210 348 456 325 432 399 600 704 980 670 439 434 774 309 232 233 665 851 520
 $y^8 x^3 +$
4 562 164 840 458 832 184 320 724 479 663 031 175 935 746 865 261 403 092 626 495 905 651 294 144 316 800
 $y^7 x^3 -$
13 548 987 025 349 295 428 839 242 198 796 616 816 608 154 146 904 511 244 365 245 935 419 941 524 807 680
 $y^6 x^3 +$
30 184 304 054 188 970 246 996 644 358 360 433 720 350 688 969 775 541 621 761 002 107 758 124 231 416 320
 $y^5 x^3 -$

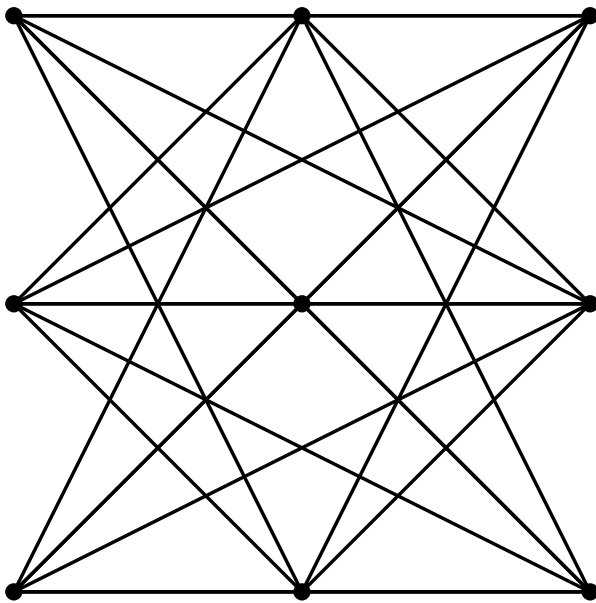
48 304 284 745 403 974 173 673 803 765 604 817 825 184 938 013 765 552 521 033 961 864 064 868 404 285 440
 $y^4 x^3 +$
 51 825 991 084 948 069 441 350 916 861 911 266 934 837 231 507 316 811 616 910 297 746 883 335 507 763 200
 $y^3 x^3 -$
 32 894 256 378 227 953 485 479 505 617 089 071 021 467 983 131 969 858 310 102 791 787 228 163 383 296 000
 $y^2 x^3 +$
 9 153 397 502 977 011 060 791 355 869 049 124 376 431 786 783 491 397 134 678 291 214 669 108 346 880 000 $y x^3 -$
 325 163 023 960 283 338 136 768 361 498 158 136 576 000 $y^{29} x^2 +$
 3 431 374 347 727 057 072 034 074 583 903 605 657 264 512 000 $y^{28} x^2 -$
 6 017 100 178 105 190 306 854 161 297 575 336 111 635 952 409 600 $y^{27} x^2 +$
 4 194 090 996 790 247 848 494 914 914 691 547 186 992 051 769 177 600 $y^{26} x^2 -$
 1 551 108 103 105 607 661 313 073 892 235 315 576 582 408 684 688 409 600 $y^{25} x^2 +$
 352 315 082 353 181 812 590 697 942 028 365 889 177 957 998 621 811 573 760 $y^{24} x^2 -$
 53 666 852 393 653 609 064 398 779 430 101 050 710 595 466 134 589 335 761 920 $y^{23} x^2 +$
 5 810 647 406 914 964 770 935 721 230 593 598 968 240 393 012 671 620 062 384 640 $y^{22} x^2 -$
 465 800 548 938 310 703 517 408 241 934 596 060 387 742 819 030 806 456 746 689 280 $y^{21} x^2 +$
 28 479 635 689 095 606 790 292 792 310 386 033 713 170 347 749 126 073 246 193 006 720 $y^{20} x^2 -$
 1 357 831 710 671 524 601 303 285 014 283 176 534 633 187 594 637 805 040 070 142 062 720 $y^{19} x^2 +$
 51 331 592 757 977 505 516 491 970 663 026 870 748 724 594 286 117 049 825 633 956 124 480 $y^{18} x^2 -$
 1 558 148 891 958 609 385 184 487 426 078 753 181 331 330 883 638 069 562 588 526 186 652 160 $y^{17} x^2 +$
 38 331 638 023 998 228 473 709 952 873 488 952 689 198 064 459 507 701 949 904 182 595 703 360 $y^{16} x^2 -$
 769 293 668 952 150 018 847 421 659 659 814 045 412 279 545 682 264 050 938 186 074 493 026 880 $y^{15} x^2 +$
 12 648 885 500 731 556 463 153 934 229 829 300 184 358 196 118 000 012 000 241 397 970 150 311 840 $y^{14} x^2 -$
 170 741 912 082 527 864 830 186 430 881 528 412 055 952 097 840 864 116 345 786 511 218 154 765 640 $y^{13} x^2 +$
 1 892 137 516 203 217 971 709 846 377 442 335 947 221 934 472 785 615 631 083 735 583 927 569 659 260 $y^{12} x^2 -$
 17 177 466 891 017 669 804 634 163 297 035 192 106 977 832 048 662 712 420 974 843 736 848 972 433 980 $y^{11} x^2 +$
 127 180 386 897 696 740 445 856 166 091 182 055 723 517 733 508 866 028 407 774 652 127 640 516 387 910
 $y^{10} x^2 -$
 762 488 208 137 041 447 213 316 892 848 414 048 854 623 277 922 315 860 128 763 813 141 665 009 033 420 $y^9 x^2 +$
 3 663 294 184 666 915 662 397 556 344 360 160 286 063 012 199 001 866 861 995 243 571 743 160 445 561 040
 $y^8 x^2 -$
 13 898 274 165 798 578 266 604 896 068 636 717 756 713 389 635 568 439 358 777 303 994 446 571 996 092 960
 $y^7 x^2 +$
 40 791 426 401 375 541 311 723 874 562 564 861 593 919 756 972 442 783 573 941 668 503 176 388 145 364 320
 $y^6 x^2 -$
 89 944 154 704 943 839 248 708 374 304 585 777 426 686 364 863 115 145 992 170 303 401 924 484 150 358 720
 $y^5 x^2 +$
 142 665 626 527 956 525 809 660 769 710 995 526 215 686 242 737 552 185 643 942 191 438 843 983 061 841 920
 $y^4 x^2 -$
 151 915 680 317 241 610 037 809 595 944 068 950 566 128 015 343 340 348 369 919 796 653 947 859 756 057 600
 $y^3 x^2 +$
 95 820 351 045 154 971 701 224 142 769 603 415 532 446 171 159 895 990 374 583 633 021 777 870 588 928 000
 $y^2 x^2 -$
 26 531 836 995 059 007 937 504 102 696 057 761 144 551 225 629 533 258 521 317 283 775 239 110 410 240 000
 $y x^2 + 12 359 805 686 594 970 013 529 870 649 688 751 689 728 000 y^{29} x -$
 45 737 801 569 916 589 814 552 306 535 317 339 777 220 966 400 $y^{28} x +$

50 549 644 325 496 240 771 790 837 266 574 586 485 699 382 784 000 $y^{27} x -$
 26 400 296 729 795 459 358 234 003 699 321 900 451 750 146 388 761 600 $y^{26} x +$
 7 955 545 949 019 084 704 038 926 504 537 554 394 241 828 494 632 048 640 $y^{25} x -$
 1 546 956 513 996 691 868 446 042 930 250 683 711 354 182 937 435 317 749 760 $y^{24} x +$
 208 387 045 507 644 607 854 717 688 473 789 005 461 993 816 536 273 138 094 080 $y^{23} x -$
 20 414 462 425 295 354 569 882 725 794 563 615 313 747 105 775 334 728 245 621 760 $y^{22} x +$
 1 505 940 192 117 646 106 637 135 414 684 832 990 465 815 397 279 272 055 838 054 400 $y^{21} x -$
 85 836 024 455 975 650 281 099 181 945 597 888 765 732 332 362 355 900 784 183 015 680 $y^{20} x +$
 3 854 347 601 572 040 149 384 126 018 401 561 042 995 565 015 078 410 157 595 389 381 120 $y^{19} x -$
 138 369 889 421 404 063 584 529 362 573 769 245 157 221 223 552 239 716 498 496 815 306 880 $y^{18} x +$
 4 015 682 876 027 833 994 453 151 631 885 324 806 637 291 788 222 436 078 818 508 956 867 840 $y^{17} x -$
 94 984 835 325 503 202 122 645 089 282 795 475 061 542 603 304 139 202 611 948 359 819 231 360 $y^{16} x +$
 1 841 651 808 392 347 726 010 521 441 338 555 074 530 139 600 966 967 196 088 309 103 584 467 200 $y^{15} x -$
 29 373 542 743 114 613 964 533 216 987 648 484 196 542 012 738 435 985 017 904 683 858 155 058 240 $y^{14} x +$
 385 976 177 944 680 071 586 507 181 366 361 454 717 615 764 979 073 235 966 603 871 501 173 925 120 $y^{13} x -$
 4 176 567 183 177 860 786 524 073 693 872 387 159 622 192 806 722 036 443 541 731 672 684 420 773 560 $y^{12} x +$
 37 122 747 317 062 368 007 770 234 986 036 956 583 570 882 910 980 760 235 120 742 402 239 764 890 160 $y^{11} x -$
 269 742 037 972 927 775 759 963 800 780 844 243 812 839 546 898 086 594 391 470 831 585 071 202 779 580 $y^{10} x +$
 1 590 487 625 395 935 548 606 588 890 473 425 136 557 248 018 071 164 648 540 046 309 920 463 850 532 760 $y^9 x -$
 7 529 480 734 387 824 334 274 809 767 735 648 710 216 161 095 721 697 929 825 287 726 317 141 836 972 320 $y^8 x +$
 28 196 757 478 813 664 520 149 050 469 203 801 316 784 423 337 507 477 966 020 622 593 967 540 769 964 480
 $y^7 x -$
 81 815 593 732 781 679 465 335 182 519 770 714 497 026 721 873 787 311 393 606 448 743 785 306 093 755 840
 $y^6 x +$
 178 607 453 464 389 219 265 845 306 977 179 688 749 124 941 800 683 168 653 990 592 422 432 541 086 335 360
 $y^5 x -$
 280 862 635 588 100 798 478 691 933 404 806 272 111 373 521 743 023 214 103 998 931 765 229 845 226 250 240
 $y^4 x +$
 296 881 799 016 534 888 497 052 885 028 013 493 004 831 115 490 367 487 682 506 137 893 530 596 704 307 200
 $y^3 x -$
 186 117 591 805 674 239 018 948 225 890 597 923 613 614 038 314 129 548 632 491 635 254 968 637 577 216 000
 $y^2 x +$
 51 285 241 780 466 619 117 916 768 289 779 818 143 031 535 942 560 401 671 491 606 652 730 906 542 080 000
 $yx + 10 477 689 854 922 461 504 624 987 440 731 021 235 200 y^{30} -$
 122 516 651 695 012 223 967 129 995 971 469 929 158 912 000 $y^{29} +$
 238 102 202 471 676 608 844 195 485 201 279 839 090 964 966 400 $y^{28} -$
 184 011 544 204 696 874 969 869 367 878 265 863 899 846 848 747 520 $y^{27} +$
 75 502 285 166 473 302 005 555 075 099 739 905 375 770 969 888 270 080 $y^{26} -$
 19 043 272 790 972 100 923 708 408 751 918 912 976 244 907 908 490 155 520 $y^{25} +$
 3 224 760 986 609 940 368 694 150 770 345 281 218 530 736 201 347 866 285 056 $y^{24} -$
 388 687 122 649 344 866 063 006 392 769 219 756 958 733 382 432 013 073 655 808 $y^{23} +$
 34 744 553 242 799 349 879 971 798 231 923 213 153 397 149 906 756 189 163 409 024 $y^{22} -$
 2 373 529 208 366 298 750 896 010 345 201 200 730 162 353 224 905 005 797 262 640 384 $y^{21} +$
 126 733 641 429 223 635 670 661 529 801 992 336 623 821 516 529 048 900 620 712 170 624 $y^{20} -$
 5 380 186 536 543 550 037 053 154 282 961 164 206 681 039 276 991 414 003 265 282 861 312 $y^{19} +$
 183 975 635 956 025 036 968 416 197 588 677 524 578 343 158 382 317 962 498 984 257 393 504 $y^{18} -$

$$\begin{aligned}
& 5\ 117\ 286\ 976\ 501\ 463\ 663\ 652\ 472\ 608\ 332\ 950\ 621\ 567\ 741\ 311\ 514\ 990\ 485\ 769\ 154\ 740\ 158\ 912\ y^{17} + \\
& 116\ 615\ 019\ 287\ 486\ 658\ 304\ 123\ 740\ 198\ 326\ 730\ 425\ 509\ 109\ 417\ 514\ 032\ 651\ 709\ 034\ 348\ 350\ 912\ y^{16} - \\
& 2\ 187\ 997\ 180\ 608\ 207\ 969\ 319\ 280\ 778\ 360\ 678\ 291\ 814\ 568\ 492\ 706\ 372\ 622\ 752\ 571\ 860\ 738\ 524\ 544\ y^{15} + \\
& 33\ 898\ 690\ 836\ 684\ 086\ 004\ 721\ 659\ 058\ 125\ 967\ 445\ 968\ 470\ 389\ 846\ 183\ 007\ 498\ 108\ 775\ 067\ 835\ 204\ y^{14} - \\
& 434\ 113\ 763\ 681\ 090\ 122\ 388\ 128\ 708\ 828\ 317\ 257\ 730\ 038\ 442\ 967\ 306\ 392\ 893\ 160\ 242\ 615\ 213\ 164\ 296\ y^{13} + \\
& 4\ 591\ 225\ 144\ 894\ 763\ 393\ 547\ 194\ 459\ 198\ 316\ 326\ 655\ 415\ 340\ 075\ 977\ 791\ 932\ 537\ 027\ 626\ 937\ 374\ 572\ y^{12} - \\
& 39\ 986\ 794\ 137\ 365\ 223\ 540\ 487\ 628\ 495\ 565\ 832\ 954\ 120\ 785\ 019\ 994\ 057\ 453\ 254\ 466\ 313\ 403\ 726\ 007\ 832\ y^{11} + \\
& 285\ 345\ 029\ 157\ 395\ 423\ 287\ 906\ 552\ 511\ 690\ 341\ 517\ 461\ 948\ 182\ 467\ 735\ 126\ 955\ 535\ 798\ 690\ 542\ 927\ 075\ y^{10} - \\
& 1\ 655\ 662\ 093\ 737\ 740\ 162\ 590\ 468\ 573\ 387\ 981\ 776\ 092\ 268\ 738\ 661\ 482\ 947\ 271\ 491\ 325\ 575\ 117\ 397\ 397\ 326\ y^9 + \\
& 7\ 727\ 055\ 482\ 462\ 558\ 527\ 114\ 251\ 641\ 962\ 478\ 364\ 476\ 680\ 175\ 548\ 094\ 126\ 483\ 606\ 886\ 972\ 740\ 428\ 041\ 096\ y^8 - \\
& 28\ 573\ 995\ 409\ 993\ 865\ 826\ 327\ 614\ 418\ 821\ 982\ 819\ 941\ 624\ 227\ 845\ 233\ 923\ 355\ 648\ 247\ 970\ 452\ 959\ 331\ 184\ y^7 + \\
& 81\ 994\ 628\ 183\ 957\ 206\ 022\ 451\ 134\ 143\ 574\ 112\ 927\ 648\ 597\ 439\ 874\ 466\ 622\ 220\ 624\ 936\ 251\ 443\ 430\ 780\ 848\ y^6 - \\
& 177\ 268\ 522\ 752\ 977\ 541\ 732\ 437\ 915\ 193\ 118\ 306\ 923\ 503\ 488\ 221\ 693\ 990\ 277\ 883\ 015\ 006\ 395\ 304\ 629\ 378\ 272 \\
& \quad y^5 + \\
& 276\ 423\ 550\ 660\ 163\ 021\ 803\ 182\ 335\ 666\ 423\ 321\ 418\ 201\ 101\ 649\ 514\ 193\ 627\ 385\ 165\ 403\ 504\ 153\ 222\ 834\ 176 \\
& \quad y^4 - \\
& 290\ 102\ 993\ 443\ 773\ 331\ 433\ 189\ 582\ 784\ 444\ 464\ 038\ 433\ 227\ 704\ 108\ 618\ 935\ 674\ 640\ 790\ 670\ 794\ 812\ 705\ 280 \\
& \quad y^3 + \\
& 180\ 787\ 303\ 506\ 643\ 039\ 726\ 091\ 121\ 643\ 994\ 242\ 919\ 693\ 904\ 405\ 252\ 672\ 238\ 765\ 123\ 327\ 105\ 678\ 386\ 278\ 400 \\
& \quad y^2 - \\
& 49\ 580\ 911\ 301\ 514\ 699\ 028\ 065\ 844\ 416\ 248\ 080\ 327\ 931\ 513\ 510\ 842\ 839\ 084\ 285\ 964\ 056\ 658\ 611\ 904\ 512\ 000\ y\}
\end{aligned}$$

We finish our considerations with two examples for Theorem 15. The first example graph is given as follows.

`ShowGraph[G7 = CompleteKPartiteGraph[3, 3, 3]]`



The implementation "BivariatePolynomialAGM1" is again slow.

```
Timing[BivariatePolynomialAGM1[G7, x, y]]
```

[Dauer](#)

```
{91.1358, x^9 - 27 x^7 y + 108 x^6 y^2 + 216 x^5 y^3 - 423 x^5 y^4 - 1242 x^4 y^2 +  
1476 x^4 y^3 - 558 x^3 y^3 + 4698 x^3 y^2 - 4305 x^3 y + 2916 x^2 y^3 - 12582 x^2 y^2 + 9738 x^2 y +  
324 x y^4 - 7236 x y^3 + 21942 x y^2 - 15048 x y - 756 y^4 + 7848 y^3 - 18918 y^2 + 11828 y}
```

A shorter running time is possible by using the implementation "BivariatePolynomialAGM2".

```
Timing[BivariatePolynomialAGM2[G7, x, y]]
```

[Dauer](#)

```
{1.46641, x^9 - 27 x^7 y + 108 x^6 y^2 + 216 x^5 y^2 - 423 x^5 y - 1242 x^4 y^2 +  
1476 x^4 y - 558 x^3 y^3 + 4698 x^3 y^2 - 4305 x^3 y + 2916 x^2 y^3 - 12582 x^2 y^2 + 9738 x^2 y +  
324 x y^4 - 7236 x y^3 + 21942 x y^2 - 15048 x y - 756 y^4 + 7848 y^3 - 18918 y^2 + 11828 y}
```

Our equation from Theorem 15 is very fast again for this polynomial.

```
Timing[Expand[BivariatePolynomialGerling[3, 3, x, y]]]
```

[Dauer](#) [multipliziere aus](#)

```
{0.0312002, x^9 - 27 x^7 y + 108 x^6 y + 216 x^5 y^2 - 423 x^5 y - 1242 x^4 y^2 +  
1476 x^4 y - 558 x^3 y^3 + 4698 x^3 y^2 - 4305 x^3 y + 2916 x^2 y^3 - 12582 x^2 y^2 + 9738 x^2 y +  
324 x y^4 - 7236 x y^3 + 21942 x y^2 - 15048 x y - 756 y^4 + 7848 y^3 - 18918 y^2 + 11828 y}
```

Finally, we give a last example for Theorem 15.

```
G8 = CompleteKPartiteGraph[10, 10, 10, 10];
```

The implementation "BivariatePolynomialAGM1" cannot compute the bivariate chromatic polynomial with less than one hour running time.

```
TimeConstrained[BivariatePolynomialAGM1[G8, x, y];, 3600]
```

[zeitbeschränkt](#)

\$Aborted

By using the implementation "BivariatePolynomialAGM2" the polynomial cannot be computed in less than an hour either.

```
TimeConstrained[BivariatePolynomialAGM2[G8, x, y];, 3600]
```

[zeitbeschränkt](#)

\$Aborted

Although our formula from Theorem 15 needs a lot of time, it comes to a result.

Timing [Expand[BivariatePolynomialGerling[10, 4, x, y]]]

[Dauer] [multipliziere aus]

$$\begin{aligned}
 & \{77.7821, x^{40} - 600yx^{38} + 13400yx^{37} + 162300y^2x^{36} - 326850yx^{36} - 6868800y^2x^{35} + 8272800yx^{35} - \\
 & 26240400y^3x^{34} + 229176000y^2x^{34} - 212075640yx^{34} + 1573484400y^3x^{33} - 6958355400y^2x^{33} + \\
 & 5432658480yx^{33} + 2834667900y^4x^{32} - 64771744500y^3x^{32} + 199629114075y^2x^{32} - \\
 & 137899339830yx^{32} - 213337929600y^4x^{31} + 2250777909600y^3x^{31} - 5485145598000y^2x^{31} + \\
 & 3448468706040yx^{31} - 216692858880y^5x^{30} + 10195557674400y^4x^{30} - 70523350754400y^3x^{30} + \\
 & 145135475744400y^2x^{30} - 84593412607044yx^{30} + 19114286688000y^5x^{29} - 391548506904000y^4x^{29} + \\
 & 2049863356296000y^3x^{29} - 3706091140806000y^2x^{29} + 2028668721621120yx^{29} + \\
 & 12112142544000y^6x^{28} - 1017696439656000y^5x^{28} + 1310593031244000y^4x^{28} - \\
 & 56059186079724000y^3x^{28} + 91383800124898800y^2x^{28} - 47424976193894340yx^{28} - \\
 & 1196798670144000y^6x^{27} + 42032296532016000y^5x^{27} - 396926753228208000y^4x^{27} + \\
 & 1453383941977386000y^3x^{27} - 2175322302924081000y^2x^{27} + 1078029651933660240yx^{27} - \\
 & 504506257920000y^7x^{26} + 68840177915376000y^6x^{26} - 1474035546344760000y^5x^{26} + \\
 & 11094675647669010000y^4x^{26} - 35868536121617118000y^3x^{26} + 49952294759993080500y^2x^{26} - \\
 & 23772734480396767320yx^{26} + 54013181031936000y^7x^{25} - 2989795501072800000y^6x^{25} + \\
 & 45831884676651763200y^5x^{25} - 289458426811063572000y^4x^{25} + 844451959041872424000y^3x^{25} - \\
 & 1105348566215685736800y^2x^{25} + 507458931748321550688yx^{25} + 15817254554304000y^8x^{24} - \\
 & 3274431494826240000y^7x^{24} + 107949805660115798400y^6x^{24} - 1293706937195497260000y^5x^{24} + \\
 & 709606912666868630400y^4x^{24} - 18982614279606059750400y^3x^{24} + \\
 & 23538813412689062095320y^2x^{24} - 10463252514162192191970yx^{24} - \\
 & 1786765410226944000y^8x^{23} + 146650648214556864000y^7x^{23} - 3396663626560456492800y^6x^{23} + \\
 & 3361706728757036224000y^5x^{23} - 164097906396014478672000y^4x^{23} + \\
 & 407462728236386739876000y^3x^{23} - 481674389794891982518320y^2x^{23} + \\
 & 207944300410971203760120yx^{23} - 374536475921664000y^9x^{22} + 111761914880831040000y^8x^{22} - \\
 & 5363472566181485952000y^7x^{22} + 95623795400911529356800y^6x^{22} - \\
 & 811006230387566567332800y^5x^{22} + 3587283696750707674231200y^4x^{22} - \\
 & 8347189969638489637915200y^3x^{22} + 9455140455096225925527480y^2x^{22} - \\
 & 3974599662034352142103980yx^{22} + 43638558434424576000y^9x^{21} - \\
 & 507005410826002176000y^8x^{21} + 168365803839991527168000y^7x^{21} - \\
 & 2446880079439512176198400y^6x^{21} + 18258805102967954328844800y^5x^{21} - \\
 & 74199559293243363041496000y^4x^{21} + 163034295692444079566151600y^3x^{21} - \\
 & 177709042971611874292163400y^2x^{21} + 72899042160592943294009400yx^{21} + \\
 & 6683958398336486400y^{10}x^{20} - 2762355331319217984000y^9x^{20} + \\
 & 184876258220804013696000y^8x^{20} - 4665977531302801150080000y^7x^{20} + \\
 & 57468784952561397337319040y^6x^{20} - 384770796081689263563676800y^5x^{20} + \\
 & 1452170171066442295583255400y^4x^{20} - 3031780277299248924719877000y^3x^{20} + \\
 & 3191357527479761824833943686y^2x^{20} - 1279961553173372824872489126yx^{20} - \\
 & 786779870921856000000y^{10}x^{19} + 124756737828169386240000y^9x^{19} - \\
 & 5705896816145314486656000y^8x^{19} + 116121314965098218854176000y^7x^{19} - \\
 & 1246348184346773323919510400y^6x^{19} + 7600609831581361624099392000y^5x^{19} - \\
 & 26873083891179641336747140800y^4x^{19} + 53583929422825739359024242000y^3x^{19} -
 \end{aligned}$$

$$\begin{aligned}
& 54\,634\,959\,661\,076\,707\,055\,344\,911\,000\,y^2x^{19} + 21\,459\,313\,094\,089\,110\,974\,780\,164\,800\,yx^{19} - \\
& 89\,239\,962\,400\,243\,200\,000\,y^{11}x^{18} + 49\,468\,808\,980\,089\,273\,600\,000\,y^{10}x^{18} - \\
& 4\,463\,292\,470\,159\,300\,940\,288\,000\,y^9x^{18} + 153\,500\,782\,462\,866\,408\,981\,600\,000\,y^8x^{18} - \\
& 2\,622\,779\,495\,011\,675\,830\,995\,942\,400\,y^7x^{18} + 25\,047\,444\,507\,967\,951\,978\,295\,419\,200\,y^6x^{18} - \\
& 140\,783\,072\,094\,422\,327\,217\,106\,101\,600\,y^5x^{18} + 469\,621\,926\,207\,753\,504\,588\,046\,850\,400\,y^4x^{18} - \\
& 898\,207\,438\,291\,638\,692\,294\,803\,287\,120\,y^3x^{18} + 889\,397\,594\,215\,847\,902\,276\,395\,162\,180\,y^2x^{18} - \\
& 342\,602\,761\,920\,058\,388\,637\,021\,186\,360\,yx^{18} + 10\,401\,478\,530\,915\,709\,440\,000\,y^{11}x^{17} - \\
& 2\,185\,538\,633\,904\,126\,977\,280\,000\,y^{10}x^{17} + 133\,348\,801\,843\,864\,665\,628\,416\,000\,y^9x^{17} - \\
& 3\,664\,213\,880\,988\,085\,740\,649\,152\,000\,y^8x^{17} + 54\,115\,299\,266\,753\,956\,536\,422\,611\,200\,y^7x^{17} - \\
& 467\,255\,301\,032\,733\,773\,309\,573\,040\,000\,y^6x^{17} + 2\,443\,713\,672\,568\,853\,179\,627\,730\,337\,600\,y^5x^{17} - \\
& 7\,736\,172\,700\,333\,550\,915\,922\,362\,222\,400\,y^4x^{17} + 14\,244\,811\,530\,295\,417\,588\,190\,782\,933\,920\,y^3x^{17} - \\
& 13\,728\,822\,910\,933\,347\,649\,645\,276\,291\,920\,y^2x^{17} + 5\,193\,143\,450\,384\,907\,209\,074\,753\,240\,800\,yx^{17} + \\
& 879\,988\,900\,880\,557\,440\,000\,y^{12}x^{16} - 637\,318\,549\,607\,521\,944\,960\,000\,y^{11}x^{16} + \\
& 75\,412\,692\,608\,596\,379\,061\,984\,000\,y^{10}x^{16} - 3\,428\,821\,143\,360\,777\,063\,618\,432\,000\,y^9x^{16} + \\
& 78\,472\,747\,520\,913\,603\,436\,523\,784\,000\,y^8x^{16} - 1\,023\,773\,824\,898\,193\,900\,665\,312\,438\,400\,y^7x^{16} + \\
& 8\,094\,032\,631\,993\,660\,576\,156\,736\,822\,800\,y^6x^{16} - 39\,696\,287\,489\,694\,839\,139\,494\,163\,577\,200\,y^5x^{16} + \\
& 119\,851\,807\,107\,542\,448\,602\,902\,896\,369\,000\,y^4x^{16} - 213\,128\,673\,533\,026\,295\,918\,157\,043\,590\,600\,y^3x^{16} + \\
& 200\,320\,847\,314\,508\,456\,483\,070\,661\,901\,370\,y^2x^{16} - 74\,493\,070\,909\,056\,837\,420\,112\,909\,232\,820\,yx^{16} - \\
& 99\,479\,259\,124\,078\,417\,920\,000\,y^{12}x^{15} + 27\,031\,460\,798\,023\,772\,106\,240\,000\,y^{11}x^{15} - \\
& 2\,143\,846\,730\,560\,511\,946\,928\,896\,000\,y^{10}x^{15} + 77\,269\,336\,014\,464\,958\,114\,624\,384\,000\,y^9x^{15} - \\
& 1\,517\,761\,291\,235\,224\,859\,735\,038\,848\,000\,y^8x^{15} + 17\,788\,582\,250\,744\,007\,851\,539\,236\,921\,600\,y^7x^{15} - \\
& 130\,094\,011\,439\,395\,522\,710\,644\,109\,836\,160\,y^6x^{15} + 602\,195\,979\,391\,009\,431\,574\,418\,527\,204\,800\,y^5x^{15} - \\
& 1\,741\,286\,781\,113\,289\,058\,482\,064\,029\,892\,800\,y^4x^{15} + 2\,998\,576\,913\,841\,961\,506\,650\,445\,109\,393\,680\,y^3x^{15} - \\
& 2\,753\,309\,232\,341\,471\,156\,773\,406\,930\,650\,728\,y^2x^{15} + 1\,007\,571\,158\,280\,410\,573\,403\,706\,527\,364\,752\,yx^{15} - \\
& 6\,285\,955\,985\,243\,504\,640\,000\,y^{13}x^{14} + 5\,818\,617\,491\,097\,895\,948\,800\,000\,y^{12}x^{14} - \\
& 882\,589\,917\,729\,043\,644\,793\,344\,000\,y^{11}x^{14} + 51\,758\,122\,202\,527\,099\,360\,538\,880\,000\,y^{10}x^{14} - \\
& 1\,542\,979\,582\,258\,732\,656\,663\,078\,720\,000\,y^9x^{14} + 26\,605\,992\,969\,249\,817\,211\,715\,047\,904\,000\,y^8x^{14} - \\
& 283\,893\,645\,803\,978\,813\,004\,396\,247\,910\,400\,y^7x^{14} + 1\,936\,679\,441\,714\,729\,815\,928\,191\,188\,739\,200\,y^6x^{14} - \\
& 8\,507\,362\,353\,939\,738\,739\,009\,141\,313\,810\,400\,y^5x^{14} + 23\,644\,277\,845\,806\,122\,426\,924\,519\,106\,070\,800\,y^4x^{14} - \\
& 39\,522\,896\,967\,856\,795\,284\,714\,610\,815\,657\,360\,y^3x^{14} + 35\,506\,359\,574\,970\,238\,556\,142\,307\,007\,405\,500\,y^2x^{14} - \\
& 12\,798\,277\,789\,622\,185\,379\,990\,358\,704\,397\,240\,yx^{14} + 673\,725\,642\,457\,578\,762\,240\,000\,y^{13}x^{13} - \\
& 231\,958\,001\,932\,417\,606\,487\,040\,000\,y^{12}x^{13} + 23\,402\,001\,947\,719\,664\,728\,747\,008\,000\,y^{11}x^{13} - \\
& 1\,080\,476\,741\,213\,393\,795\,657\,890\,560\,000\,y^{10}x^{13} + 27\,475\,358\,437\,537\,791\,406\,975\,915\,776\,000\,y^9x^{13} - \\
& 423\,232\,623\,697\,826\,224\,581\,058\,654\,272\,000\,y^8x^{13} + 4\,155\,930\,268\,975\,238\,467\,234\,522\,964\,659\,200\,y^7x^{13} - \\
& 26\,630\,396\,942\,896\,989\,126\,078\,606\,438\,364\,800\,y^6x^{13} + 111\,526\,980\,432\,958\,046\,972\,161\,441\,472\,284\,800\,y^5x^{13} - \\
& 298\,855\,485\,812\,661\,807\,127\,900\,787\,594\,618\,400\,y^4x^{13} + \\
& 485\,922\,634\,842\,662\,007\,446\,074\,056\,616\,663\,200\,y^3x^{13} - \\
& 427\,692\,529\,815\,414\,674\,027\,518\,647\,297\,019\,440\,y^2x^{13} + \\
& 151\,969\,681\,597\,662\,007\,793\,293\,095\,982\,895\,840\,yx^{13} + 31\,636\,987\,060\,194\,109\,440\,000\,y^{14}x^{12} - \\
& 36\,738\,808\,154\,902\,243\,353\,600\,000\,y^{13}x^{12} + 7\,007\,438\,504\,849\,419\,262\,384\,640\,000\,y^{12}x^{12} - \\
& 519\,237\,632\,255\,879\,253\,923\,716\,608\,000\,y^{11}x^{12} + 19\,708\,816\,013\,892\,153\,770\,632\,166\,016\,000\,y^{10}x^{12} - \\
& 437\,540\,415\,851\,856\,253\,682\,788\,955\,136\,000\,y^9x^{12} + 6\,105\,177\,719\,334\,669\,666\,218\,506\,729\,228\,800\,y^8x^{12} - \\
& 55\,659\,787\,490\,120\,297\,793\,344\,141\,582\,246\,400\,y^7x^{12} + 336\,979\,829\,054\,966\,560\,053\,956\,936\,637\,292\,800\,y^6x^{12} - \\
& 1\,350\,817\,801\,181\,718\,232\,548\,713\,374\,166\,472\,000\,y^5x^{12} + \\
& 3\,499\,513\,848\,386\,905\,158\,327\,294\,734\,963\,534\,640\,y^4x^{12} - \\
& 5\,544\,949\,760\,571\,822\,446\,894\,947\,962\,615\,382\,320\,y^3x^{12} +
\end{aligned}$$

$$\begin{aligned}
& 4\,787\,372\,288\,667\,600\,704\,004\,363\,695\,879\,315\,820\,y^2x^{12} - \\
& 1\,678\,125\,450\,718\,407\,228\,517\,239\,545\,240\,582\,040\,yx^{12} - 3\,130\,643\,453\,156\,163\,624\,960\,000\,y^{14}x^{11} + \\
& 1\,342\,087\,018\,347\,712\,336\,680\,960\,000\,y^{13}x^{11} - 169\,130\,078\,221\,522\,042\,174\,556\,160\,000\,y^{12}x^{11} + \\
& 9\,807\,734\,023\,917\,336\,277\,195\,670\,784\,000\,y^{11}x^{11} - 315\,829\,185\,695\,035\,695\,643\,891\,932\,288\,000\,y^{10}x^{11} + \\
& 6\,232\,638\,126\,060\,929\,760\,313\,567\,374\,720\,000\,y^9x^{11} - 79\,666\,847\,250\,494\,083\,603\,231\,470\,390\,374\,400\,y^8x^{11} + \\
& 679\,324\,087\,314\,786\,127\,308\,035\,381\,275\,248\,000\,y^7x^{11} - \\
& 3\,905\,358\,982\,420\,926\,778\,864\,043\,508\,810\,331\,200\,y^6x^{11} + \\
& 15\,036\,254\,997\,417\,139\,488\,473\,573\,780\,056\,977\,600\,y^5x^{11} - \\
& 37\,750\,003\,731\,061\,880\,412\,690\,386\,931\,220\,315\,200\,y^4x^{11} + \\
& 58\,385\,291\,270\,453\,905\,950\,965\,387\,896\,991\,319\,600\,y^3x^{11} - \\
& 49\,500\,898\,681\,250\,655\,991\,496\,403\,181\,907\,692\,920\,y^2x^{11} + \\
& 17\,129\,131\,437\,914\,857\,735\,133\,607\,171\,327\,516\,720\,yx^{11} - 107\,849\,409\,165\,270\,614\,016\,000\,y^{15}x^{10} + \\
& 154\,626\,541\,091\,829\,439\,395\,840\,000\,y^{14}x^{10} - 36\,481\,310\,820\,506\,009\,059\,015\,680\,000\,y^{13}x^{10} + \\
& 3\,356\,619\,709\,028\,021\,744\,871\,870\,720\,000\,y^{12}x^{10} - 159\,168\,129\,715\,057\,272\,329\,839\,460\,198\,400\,y^{11}x^{10} + \\
& 4\,452\,953\,847\,887\,552\,144\,357\,048\,826\,816\,000\,y^{10}x^{10} - 79\,243\,097\,398\,536\,746\,692\,538\,335\,168\,704\,000\,y^9x^{10} + \\
& 936\,508\,449\,621\,001\,273\,273\,800\,404\,988\,336\,000\,y^8x^{10} - \\
& 7\,515\,703\,899\,415\,611\,396\,286\,869\,468\,581\,982\,720\,y^7x^{10} + \\
& 41\,204\,107\,129\,358\,299\,163\,656\,830\,659\,364\,555\,360\,y^6x^{10} - \\
& 152\,830\,848\,358\,923\,617\,404\,193\,679\,899\,742\,036\,960\,y^5x^{10} + \\
& 372\,624\,854\,316\,918\,473\,691\,760\,188\,856\,570\,439\,760\,y^4x^{10} - \\
& 563\,368\,098\,279\,213\,340\,987\,685\,298\,185\,612\,499\,632\,y^3x^{10} + \\
& 469\,506\,128\,096\,973\,213\,623\,786\,576\,501\,000\,011\,180\,y^2x^{10} - \\
& 160\,482\,001\,463\,930\,970\,611\,689\,437\,726\,364\,582\,168\,yx^{10} + 9\,530\,807\,560\,543\,722\,700\,800\,000\,y^{15}x^9 - \\
& 5\,011\,542\,180\,735\,466\,940\,928\,000\,000\,y^{14}x^9 + 776\,638\,576\,665\,079\,163\,637\,719\,040\,000\,y^{13}x^9 - \\
& 55\,627\,971\,613\,483\,979\,047\,529\,802\,240\,000\,y^{12}x^9 + 2\,227\,121\,083\,273\,515\,917\,815\,372\,243\,968\,000\,y^{11}x^9 - \\
& 55\,141\,411\,625\,470\,547\,728\,871\,092\,634\,880\,000\,y^{10}x^9 + 895\,243\,416\,241\,513\,756\,281\,652\,087\,582\,464\,000\,y^9x^9 - \\
& 9\,858\,073\,123\,295\,042\,728\,330\,602\,646\,937\,568\,000\,y^8x^9 + \\
& 74\,853\,834\,143\,739\,906\,330\,874\,688\,674\,599\,360\,000\,y^7x^9 - \\
& 392\,816\,759\,339\,101\,575\,323\,436\,304\,667\,946\,768\,000\,y^6x^9 + \\
& 1\,407\,346\,009\,656\,090\,578\,917\,550\,776\,763\,607\,974\,400\,y^5x^9 - \\
& 3\,338\,575\,330\,945\,496\,157\,275\,166\,975\,136\,517\,892\,000\,y^4x^9 + \\
& 4\,940\,701\,512\,091\,849\,040\,462\,499\,427\,328\,153\,594\,880\,y^3x^9 - \\
& 4\,051\,041\,513\,036\,266\,765\,948\,317\,198\,436\,127\,582\,720\,y^2x^9 + \\
& 1\,368\,548\,046\,283\,115\,747\,031\,930\,398\,865\,108\,046\,080\,yx^9 + 235\,150\,004\,246\,876\,006\,400\,000\,y^{16}x^8 - \\
& 410\,505\,018\,655\,160\,720\,793\,600\,000\,y^{15}x^8 + 118\,107\,894\,745\,108\,183\,530\,424\,320\,000\,y^{14}x^8 - \\
& 13\,293\,642\,774\,201\,247\,031\,897\,433\,600\,000\,y^{13}x^8 + 774\,920\,036\,182\,281\,860\,843\,950\,957\,056\,000\,y^{12}x^8 - \\
& 26\,836\,280\,805\,512\,474\,660\,553\,727\,329\,792\,000\,y^{11}x^8 + 596\,764\,420\,257\,677\,360\,141\,712\,931\,116\,480\,000\,y^{10}x^8 - \\
& 8\,924\,563\,070\,774\,460\,286\,349\,864\,403\,801\,600\,000\,y^9x^8 + \\
& 92\,166\,988\,662\,668\,614\,606\,007\,402\,090\,837\,505\,600\,y^8x^8 - \\
& 665\,192\,001\,862\,332\,702\,548\,201\,944\,505\,252\,476\,800\,y^7x^8 + \\
& 3\,352\,298\,554\,753\,125\,972\,702\,811\,235\,586\,946\,742\,400\,y^6x^8 - \\
& 11\,628\,145\,943\,371\,337\,278\,591\,612\,429\,847\,057\,826\,000\,y^5x^8 + \\
& 26\,884\,390\,917\,709\,074\,193\,112\,547\,216\,736\,264\,138\,140\,y^4x^8 - \\
& 38\,989\,898\,242\,035\,677\,825\,326\,013\,360\,102\,052\,967\,380\,y^3x^8 + \\
& 31\,478\,518\,507\,543\,495\,784\,811\,699\,380\,731\,735\,240\,815\,y^2x^8 - \\
& 10\,515\,784\,908\,211\,785\,496\,323\,439\,877\,230\,796\,734\,830\,yx^8 -
\end{aligned}$$

17736571031785869312000000 $y^{16}x^7 + 11290675549514594455756800000y^{15}x^7 -$
 2122704036979665182966845440000 $y^{14}x^7 + 185119340635901682080668846080000y^{13}x^7 -$
 9071741788609884598479869872128000 $y^{12}x^7 + 276933483437967497559483928041984000y^{11}x^7 -$
 5597690877543089590162728650184960000 $y^{10}x^7 +$
 77732442837300408425867688562376064000 $y^9x^7 -$
 757097574061400226464096845020622924800 $y^8x^7 +$
 5214318175777964189950284295075277990400 $y^7x^7 -$
 25308012030040888634010095339600427264000 $y^6x^7 +$
 85170183693398726125877130339746864625600 $y^5x^7 -$
 192204189392845419363011416146298989360000 $y^4x^7 +$
 273469205195593196459818095305452325585520 $y^3x^7 -$
 217560152319016855384049746064104109611080 $y^2x^7 +$
 71903341454485360617540678784490930489040 $yx^7 -$
 300440468109861273600000 $y^{17}x^6 + 630893142476044987392000000y^{16}x^6 -$
 218621350960755320882626560000 $y^{15}x^6 + 2971353133735820627679019080000y^{14}x^6 -$
 209993094047670515354360222080000 $y^{13}x^6 + 88666059905618234872084879366656000y^{12}x^6 -$
 2422224133665286998715240182801408000 $y^{11}x^6 +$
 44947151318851235950573282745844864000 $y^{10}x^6 -$
 583523233110134229160036649818360166400 $y^9x^6 +$
 5385904547096799838697957410923319680000 $y^8x^6 -$
 35521176235029849694769063692193748115200 $y^7x^6 +$
 166462123896857128370860525991154190531200 $y^6x^6 -$
 544523227995643630705285594970577990534720 $y^5x^6 +$
 1201073497430054612128060979739417076411200 $y^4x^6 -$
 1678169966174349165076626587934982808428320 $y^3x^6 +$
 1316477446348286551972995754531958328825060 $y^2x^6 -$
 430643690106972004274354969900753889669960 $yx^6 +$
 18062167019017424486400000 $y^{17}x^5 - 13760361249025488478617600000y^{16}x^5 +$
 3101475836322478091466178560000 $y^{15}x^5 - 325233619499049657239427010560000y^{14}x^5 +$
 19248180742748500595204110479360000 $y^{13}x^5 - 713849747655614041604514001665024000y^{12}x^5 +$
 17667351544614782585431596654029875200 $y^{11}x^5 -$
 303470922701834727703317737246065536000 $y^{10}x^5 +$
 3704775750573193362675914686419741964800 $y^9x^5 -$
 32540966664960739545135970970799805747200 $y^8x^5 +$
 206144372340042925097308205003608188443520 $y^7x^5 -$
 934865959980121366702973242935025494417600 $y^6x^5 +$
 2977485768977468977461506522801338628084160 $y^5x^5 -$
 6427140594096613668982504016673731001451200 $y^4x^5 +$
 882663342841802508801949984444546992793808 $y^3x^5 -$
 6832083425594299688411369006175599471253432 $y^2x^5 +$
 2212949099344755298473459830888740408081968 $yx^5 +$
 194337156668949504000000 $y^{18}x^4 - 485634058880756534784000000y^{17}x^4 +$
 200477126472416038077235200000 $y^{16}x^4 - 32529708798496053226706534400000y^{15}x^4 +$
 275378458204563161494474485760000 $y^{14}x^4 - 13992669425191344424601527088640000y^{13}x^4 +$
 4628744052623385842906922129079680000 $y^{12}x^4 -$
 104845688973259576363813576076256384000 $y^{11}x^4 +$

1 678 837 188 250 709 826 137 643 770 598 629 376 000 $y^{10} x^4 -$
19 369 719 010 050 466 592 435 708 491 824 023 856 000 $y^9 x^4 +$
162 499 287 670 226 032 273 896 065 695 287 843 816 000 $y^8 x^4 -$
991 478 030 311 132 800 354 907 102 866 325 719 600 000 $y^7 x^4 +$
4 360 035 462 447 961 223 329 756 865 438 135 459 012 400 $y^6 x^4 -$
13 540 886 169 065 325 013 759 210 811 860 568 240 832 000 $y^5 x^4 +$
28 636 426 512 560 321 295 951 402 703 345 993 673 995 800 $y^4 x^4 -$
38 686 960 414 310 270 243 566 573 656 140 843 349 881 880 $y^3 x^4 +$
29 563 520 845 655 415 850 563 273 025 432 651 200 300 810 $y^2 x^4 -$
9 485 366 258 675 236 564 501 191 671 872 147 316 061 300 $y x^4 -$
8 248 948 658 069 962 752 000 000 $y^{18} x^3 + 7 444 555 886 162 237 165 568 000 000 y^{17} x^3 -$
1 990 654 820 171 483 371 908 710 400 000 $y^{16} x^3 + 248 271 134 175 527 353 734 735 360 000 000 y^{15} x^3 -$
17 538 723 309 750 753 838 242 642 462 720 000 $y^{14} x^3 + 780 230 509 986 155 066 628 377 905 336 320 000 y^{13} x^3 -$
23 311 966 678 548 865 253 047 688 211 081 216 000 $y^{12} x^3 +$
487 408 026 774 263 103 611 444 558 273 266 944 000 $y^{11} x^3 -$
7 319 464 358 780 010 839 798 806 068 263 181 696 000 $y^{10} x^3 +$
80 160 854 079 542 671 870 364 659 880 199 305 088 000 $y^9 x^3 -$
644 396 958 313 124 200 195 744 631 545 181 222 284 800 $y^8 x^3 +$
3 795 996 993 783 662 967 823 076 271 104 458 176 048 000 $y^7 x^3 -$
16 216 336 250 949 650 193 386 349 867 299 223 572 126 400 $y^6 x^3 +$
49 177 056 741 315 495 331 561 587 035 257 679 728 286 400 $y^5 x^3 -$
101 996 244 189 964 795 495 392 725 975 082 965 589 292 800 $y^4 x^3 +$
135 652 303 836 255 847 820 808 580 787 730 552 087 629 520 $y^3 x^3 -$
102 396 752 127 397 885 550 474 049 668 968 845 709 819 320 $y^2 x^3 +$
32 555 065 706 551 516 351 920 095 633 456 235 453 269 040 $y x^3 -$
47 666 247 689 023 488 000 000 $y^{19} x^2 + 140 399 584 290 928 521 216 000 000 y^{18} x^2 -$
68 377 813 774 249 877 968 896 000 000 $y^{17} x^2 + 13 113 318 302 469 948 488 370 278 400 000 y^{16} x^2 -$
1 315 703 882 813 713 396 956 460 892 160 000 $y^{15} x^2 + 79 544 543 516 146 720 937 009 672 985 600 000 y^{14} x^2 -$
3 146 891 066 317 714 516 469 183 885 723 136 000 $y^{13} x^2 +$
85 811 459 864 314 332 040 752 521 884 110 336 000 $y^{12} x^2 -$
1 668 126 194 189 233 029 368 034 437 489 751 936 000 $y^{11} x^2 +$
23 615 950 046 257 447 387 140 328 889 155 596 864 000 $y^{10} x^2 -$
246 445 683 525 766 441 426 370 490 518 852 634 105 600 $y^9 x^2 +$
1 903 795 350 660 380 076 276 238 282 710 536 023 526 400 $y^8 x^2 -$
10 851 108 124 105 200 514 202 058 229 392 525 229 756 800 $y^7 x^2 +$
45 106 111 412 306 643 231 673 084 681 801 762 793 680 800 $y^6 x^2 -$
133 733 534 400 882 468 449 573 458 970 919 950 182 477 440 $y^5 x^2 +$
272 283 149 663 468 305 641 215 326 618 560 652 400 618 400 $y^4 x^2 -$
356 750 027 577 043 991 696 470 932 135 469 405 180 638 240 $y^3 x^2 +$
266 138 391 566 606 497 580 884 585 775 306 340 771 367 620 $y^2 x^2 -$
83 872 362 774 147 150 353 525 333 391 771 334 198 185 480 $y x^2 + 1 068 085 989 430 677 504 000 000 y^{19} x -$
1 131 551 111 791 329 933 312 000 000 $y^{18} x + 355 632 287 004 480 322 142 208 000 000 y^{17} x -$
52 241 883 773 286 597 956 187 955 200 000 $y^{16} x + 4 360 171 347 455 803 706 230 800 076 800 000 y^{15} x -$
230 104 223 305 449 473 423 524 325 529 600 000 $y^{14} x + 8 199 519 731 902 356 792 001 461 567 710 208 000 y^{13} x -$
205 850 138 309 189 404 671 359 684 639 278 080 000 $y^{12} x +$
3 743 692 445 660 711 196 099 260 717 426 517 120 000 $y^{11} x -$

$$\begin{aligned}
& 50\,192\,271\,440\,366\,125\,399\,425\,359\,046\,331\,998\,912\,000\,y^{10}x + \\
& 500\,788\,506\,653\,886\,132\,626\,036\,813\,758\,148\,053\,824\,000\,y^9x - \\
& 3\,727\,105\,134\,695\,606\,359\,602\,931\,991\,222\,265\,020\,928\,000\,y^8x + \\
& 20\,594\,607\,111\,456\,962\,013\,686\,587\,164\,840\,673\,827\,955\,200\,y^7x - \\
& 83\,425\,193\,143\,825\,934\,956\,809\,042\,114\,916\,214\,174\,284\,800\,y^6x + \\
& 242\,098\,812\,078\,802\,387\,816\,559\,724\,441\,379\,152\,278\,712\,000\,y^5x - \\
& 484\,292\,402\,257\,676\,733\,578\,472\,370\,385\,472\,554\,523\,288\,000\,y^4x + \\
& 625\,505\,740\,340\,539\,246\,204\,402\,721\,667\,447\,805\,134\,077\,040\,y^3x - \\
& 461\,382\,497\,479\,909\,660\,294\,587\,203\,015\,426\,118\,922\,332\,360\,y^2x + \\
& 144\,173\,896\,434\,064\,675\,063\,410\,660\,512\,990\,177\,403\,929\,040\,yx + \\
& 1\,852\,343\,728\,078\,233\,600\,000\,y^{20} - 6\,376\,124\,644\,782\,971\,904\,000\,000\,y^{19} + \\
& 3\,631\,798\,848\,326\,987\,697\,408\,000\,000\,y^{18} - 815\,842\,033\,571\,241\,326\,587\,392\,000\,000\,y^{17} + \\
& 96\,109\,895\,805\,449\,757\,035\,773\,086\,720\,000\,y^{16} - 6\,844\,787\,642\,474\,899\,179\,090\,669\,527\,040\,000\,y^{15} + \\
& 320\,360\,680\,264\,383\,566\,178\,322\,754\,476\,800\,000\,y^{14} - 10\,391\,946\,546\,891\,735\,679\,050\,331\,490\,684\,160\,000\,y^{13} + \\
& 241\,980\,721\,885\,555\,686\,993\,160\,662\,046\,546\,464\,000\,y^{12} - \\
& 4\,139\,305\,193\,000\,461\,366\,453\,562\,820\,407\,017\,555\,200\,y^{11} + \\
& 52\,765\,908\,273\,248\,122\,744\,262\,705\,665\,673\,587\,195\,200\,y^{10} - \\
& 504\,866\,709\,085\,163\,667\,117\,426\,392\,956\,305\,378\,566\,400\,y^9 + \\
& 3\,628\,336\,464\,599\,839\,724\,447\,709\,414\,606\,325\,406\,304\,000\,y^8 - \\
& 19\,470\,746\,322\,007\,711\,904\,795\,485\,584\,282\,364\,682\,611\,200\,y^7 + \\
& 76\,965\,945\,352\,186\,430\,750\,423\,290\,541\,909\,608\,796\,816\,400\,y^6 - \\
& 218\,845\,891\,863\,320\,660\,844\,059\,871\,752\,775\,106\,324\,422\,960\,y^5 + \\
& 430\,461\,435\,734\,421\,260\,699\,948\,776\,677\,984\,585\,601\,692\,060\,y^4 - \\
& 548\,400\,571\,244\,264\,145\,637\,432\,156\,236\,047\,630\,382\,195\,972\,y^3 + \\
& 400\,130\,869\,258\,699\,381\,836\,361\,541\,738\,339\,166\,941\,518\,059\,y^2 - \\
& 124\,013\,369\,176\,696\,007\,584\,210\,623\,200\,828\,176\,792\,557\,990\,y\}
\end{aligned}$$