

***** reading edge list *****

```
( 1, 18) ( 2, 18) ( 3, 18) ( 4, 18) ( 5, 18) ( 6, 18) ( 7, 18)
( 8, 18) ( 9, 18) (10, 18) (11, 18) (12, 18) (13, 18) (14, 18)
(15, 18) (16, 18) (17, 18) ( 1, 17) ( 2, 17) ( 3, 17) ( 4, 17)
( 5, 17) ( 6, 17) ( 7, 17) ( 8, 17) ( 9, 17) (10, 17) (11, 17)
(12, 17) (13, 17) (14, 17) (15, 17) (16, 17) (16, 1) (16, 2)
(16, 3) (16, 4) (16, 5) (16, 6) (16, 7) (16, 8) (16, 9)
(16, 10) (16, 11) (16, 12) (16, 13) (16, 14) (16, 15) (15, 1)
(15, 2) (15, 3) (15, 4) (15, 5) (15, 6) (15, 7) (15, 8)
(15, 9) (15, 10) (15, 11) (15, 12) (15, 13) (15, 14) (14, 1)
(14, 2) (14, 3) (14, 4) (14, 5) (14, 6) (14, 7) (14, 8)
(14, 9) (14, 10) (14, 11) (14, 12) (14, 13) (13, 1) (13, 2)
(13, 3) (13, 4) (13, 5) (13, 6) (13, 7) (13, 8) (13, 9)
(13, 10) (13, 11) (13, 12) (12, 1) (12, 2) (12, 3) (12, 4)
(12, 5) (12, 6) (12, 7) (12, 8) (12, 9) (12, 10) (12, 11)
(11, 1) (11, 2) (11, 3) (11, 4) (11, 5) (11, 6) (11, 7)
(11, 8) (11, 9) (11, 10) ( 1, 2) ( 1, 3) ( 1, 4) ( 1, 5)
( 1, 6) ( 1, 7) ( 1, 9) ( 1, 8) ( 1, 10) ( 2, 3) ( 2, 4)
( 2, 5) ( 2, 6) ( 2, 7) ( 2, 8) ( 2, 9) ( 2, 10) ( 3, 4)
( 3, 5) ( 3, 6) ( 3, 7) ( 3, 8) ( 3, 9) ( 3, 10) ( 4, 5)
( 4, 6) ( 4, 7) ( 4, 8) ( 4, 9) ( 4, 10) ( 5, 6) ( 5, 7)
( 5, 8) ( 5, 9) ( 5, 10) ( 6, 7) ( 6, 8) ( 6, 9) ( 6, 10)
( 7, 8) ( 7, 9) ( 7, 10) ( 8, 9) ( 8, 10) ( 9, 10)
```

VERTICES = 18 EDGES = 153

	20922789888000 $x^1 y^0$
70734282393600 $x^2 y^0$	102992244837120 $x^3 y^0$
87077748875904 $x^4 y^0$	48366009233424 $x^5 y^0$
18861567058880 $x^6 y^0$	5374523477960 $x^7 y^0$
1146901283528 $x^8 y^0$	185953177553 $x^9 y^0$
23057159840 $x^{10} y^0$	2185031420 $x^{11} y^0$
156952432 $x^{12} y^0$	8394022 $x^{13} y^0$
323680 $x^{14} y^0$	8500 $x^{15} y^0$
136 $x^{16} y^0$	1 $x^{17} y^0$
20922789888000 $x^0 y^1$	276159024691200 $x^1 y^1$
706099031170560 $x^2 y^1$	846832328171136 $x^3 y^1$
600120438868800 $x^4 y^1$	279419071277568 $x^5 y^1$
90619069610160 $x^6 y^1$	21181553813784 $x^7 y^1$
3637127328120 $x^8 y^1$	462429934824 $x^9 y^1$
43436816280 $x^{10} y^1$	2974170264 $x^{11} y^1$
144242280 $x^{12} y^1$	4692408 $x^{13} y^1$
91800 $x^{14} y^1$	816 $x^{15} y^1$

226347532185600 $x^0 y^2$
 3458956667094144 $x^2 y^2$
 2076593999945088 $x^4 y^2$
 219534281630664 $x^6 y^2$
 5797113837372 $x^8 y^2$
 40528980492 $x^{10} y^2$
 62467860 $x^{12} y^2$
 9180 $x^{14} y^2$

1689299177736960 $x^1 y^2$
 3472136439836256 $x^3 y^2$
 813102584804952 $x^5 y^2$
 42065377927716 $x^7 y^2$
 574959378708 $x^9 y^2$
 1971255468 $x^{11} y^2$
 1149540 $x^{13} y^2$

1241805641195520 $x^0 y^3$
 11286418156855488 $x^2 y^3$
 4889896032094528 $x^4 y^3$
 367771903482984 $x^6 y^3$
 6571717194900 $x^8 y^3$
 28989140180 $x^{10} y^3$
 27010620 $x^{12} y^3$
 3060 $x^{14} y^3$

6666257487655296 $x^1 y^3$
 9606556094754112 $x^3 y^3$
 1622332984135864 $x^5 y^3$
 58423861529748 $x^7 y^3$
 522533871860 $x^9 y^3$
 1094316860 $x^{11} y^3$
 406980 $x^{13} y^3$

4638012217161984 $x^0 y^4$
 27973903117539072 $x^2 y^4$
 8934028501911240 $x^4 y^4$
 489086284486800 $x^6 y^4$
 6150922909560 $x^8 y^4$
 18280342080 $x^{10} y^4$
 10024560 $x^{12} y^4$

19562089783596048 $x^1 y^4$
 20424770431445016 $x^3 y^4$
 2537416099007790 $x^5 y^4$
 65497165111950 $x^7 y^4$
 404059986330 $x^9 y^4$
 548983890 $x^{11} y^4$
 85680 $x^{13} y^4$

13339684017671040 $x^0 y^5$
 56761189876163760 $x^2 y^5$
 13650783421275000 $x^4 y^5$
 558669803191500 $x^6 y^5$
 5166818616960 $x^8 y^5$
 11146475340 $x^{10} y^5$
 4455360 $x^{12} y^5$

46250787876456000 $x^1 y^5$
 35940059081836728 $x^3 y^5$
 3358742204809992 $x^5 y^5$
 64284687511044 $x^7 y^5$
 289549836576 $x^9 y^5$
 284530428 $x^{11} y^5$
 34272 $x^{13} y^5$

31652255308708160 $x^0 y^6$
 98986796475172424 $x^2 y^6$
 18313615609533244 $x^4 y^6$
 576451438671108 $x^6 y^6$
 4093959185316 $x^8 y^6$
 6776918148 $x^{10} y^6$
 1856400 $x^{12} y^6$

92762396608952840 $x^1 y^6$
 54926322504452308 $x^3 y^6$
 3953651038971634 $x^5 y^6$
 58114810371618 $x^7 y^6$
 201219456438 $x^9 y^6$
 148669794 $x^{11} y^6$
 8568 $x^{13} y^6$

64757641690697760 $x^0 y^7$
 153497663802449928 $x^2 y^7$
 22310584748246652 $x^4 y^7$
 555161640957924 $x^6 y^7$
 3132987384384 $x^8 y^7$
 4037142252 $x^{10} y^7$
 649740 $x^{12} y^7$

117795746033548128 $x^0 y^8$
 216980153952856632 $x^2 y^8$
 25281114716987844 $x^4 y^8$
 509992015520988 $x^6 y^8$
 2354028997320 $x^8 y^8$
 2445926340 $x^{10} y^8$
 278460 $x^{12} y^8$

194832231025266432 $x^0 y^9$
 284871353827356036 $x^2 y^9$
 27116053868775300 $x^4 y^9$
 453525784371660 $x^6 y^9$
 1751573666700 $x^8 y^9$
 1471289820 $x^{10} y^9$
 92820 $x^{12} y^9$

298027723385708160 $x^0 y^{10}$
 352380973577497332 $x^2 y^{10}$
 27887025437042772 $x^4 y^{10}$
 394231500170508 $x^6 y^{10}$
 1292991927084 $x^8 y^{10}$
 864803940 $x^{10} y^{10}$
 18564 $x^{12} y^{10}$

427207095383942640 $x^0 y^{11}$
 415290391870620240 $x^2 y^{11}$
 27763591707300540 $x^4 y^{11}$
 337119006206892 $x^6 y^{11}$
 948653661384 $x^8 y^{11}$
 501525024 $x^{10} y^{11}$

579870523121514872 $x^0 y^{12}$
 470404473470567064 $x^2 y^{12}$
 26949094154047884 $x^4 y^{12}$
 284825081572122 $x^6 y^{12}$
 692552352492 $x^8 y^{12}$
 287621334 $x^{10} y^{12}$

163569941192085624 $x^1 y^7$
 75400079430888420 $x^3 y^7$
 4279831183999800 $x^5 y^7$
 49868902455372 $x^7 y^7$
 136911722376 $x^9 y^7$
 73815768 $x^{11} y^7$

260272650965280057 $x^1 y^8$
 95268680850740826 $x^3 y^8$
 4360771776787569 $x^5 y^8$
 41406725218716 $x^7 y^8$
 92854184280 $x^9 y^8$
 38904840 $x^{11} y^8$

381122600507768184 $x^1 y^9$
 112822078009643288 $x^3 y^9$
 4251556985847600 $x^5 y^9$
 33677847754980 $x^7 y^9$
 62816018980 $x^9 y^9$
 19492200 $x^{11} y^9$

521404236640499550 $x^1 y^{10}$
 126957268390770532 $x^3 y^{10}$
 4012713456814062 $x^5 y^{10}$
 27011842338624 $x^7 y^{10}$
 42139265168 $x^9 y^{10}$
 9022104 $x^{11} y^{10}$

674376350447906184 $x^1 y^{11}$
 137179165361156100 $x^3 y^{11}$
 3696679578818772 $x^5 y^{11}$
 21451287105456 $x^7 y^{11}$
 28085401344 $x^9 y^{11}$
 4009824 $x^{11} y^{11}$

832404165246780633 $x^1 y^{12}$
 143478382122755134 $x^3 y^{12}$
 3343679085866847 $x^5 y^{12}$
 16911658996596 $x^7 y^{12}$
 18601861278 $x^9 y^{12}$
 1782144 $x^{11} y^{12}$

751564631123264140 $x^0 y^{13}$	987985449645020820 $x^1 y^{13}$
515686820700212868 $x^2 y^{13}$	146172453164469116 $x^3 y^{13}$
25640805603763644 $x^4 y^{13}$	2981974903201098 $x^5 y^{13}$
238425630973530 $x^6 y^{13}$	13249412444268 $x^7 y^{13}$
502207065360 $x^8 y^{13}$	12147585450 $x^9 y^{13}$
158360202 $x^{10} y^{13}$	668304 $x^{11} y^{13}$
936471885647998056 $x^0 y^{14}$	1134508232158970664 $x^1 y^{14}$
550175931874042056 $x^2 y^{14}$	145760188732209228 $x^3 y^{14}$
24009491646779280 $x^4 y^{14}$	2629855094136336 $x^5 y^{14}$
198065152781496 $x^6 y^{14}$	10314208244340 $x^7 y^{14}$
360898480800 $x^8 y^{14}$	7784548200 $x^9 y^{14}$
83140200 $x^{10} y^{14}$	190944 $x^{11} y^{14}$
1128072676558827372 $x^0 y^{15}$	1266696897666701916 $x^1 y^{15}$
573784615832985240 $x^2 y^{15}$	142809910683341340 $x^3 y^{15}$
22192393285129080 $x^4 y^{15}$	2298214132764264 $x^5 y^{15}$
163427071131324 $x^6 y^{15}$	7975438974360 $x^7 y^{15}$
256730986512 $x^8 y^{15}$	4895353320 $x^9 y^{15}$
41832648 $x^{10} y^{15}$	31824 $x^{11} y^{15}$
1319765089733273976 $x^0 y^{16}$	1380781043211827598 $x^1 y^{16}$
587062589143706010 $x^2 y^{16}$	137885051266962246 $x^3 y^{16}$
20294128385285898 $x^4 y^{16}$	1992876978729780 $x^5 y^{16}$
133994867014008 $x^6 y^{16}$	6122825460180 $x^7 y^{16}$
180603093528 $x^8 y^{16}$	3018280980 $x^9 y^{16}$
20216196 $x^{10} y^{16}$	
1505370564369659892 $x^0 y^{17}$	1474457758682769978 $x^1 y^{17}$
590972672049519258 $x^2 y^{17}$	131501126864833206 $x^3 y^{17}$
18391025261683074 $x^4 y^{17}$	1716298462618740 $x^5 y^{17}$
109175980445532 $x^6 y^{17}$	4663175414040 $x^7 y^{17}$
125416554120 $x^8 y^{17}$	1816394580 $x^9 y^{17}$
9189180 $x^{10} y^{17}$	
1679494404853714664 $x^0 y^{18}$	1546723705334541922 $x^1 y^{18}$
586704846958839570 $x^2 y^{18}$	124105037826795662 $x^3 y^{18}$
16536336581442678 $x^4 y^{18}$	1468761865963392 $x^5 y^{18}$
88374586219920 $x^6 y^{18}$	3519351504240 $x^7 y^{18}$
85763929680 $x^8 y^{18}$	1058457400 $x^9 y^{18}$
3675672 $x^{10} y^{18}$	

1837740798027978308 $x^0 y^{19}$
 575534901265914642 $x^2 y^{19}$
 14765371596745770 $x^4 y^{19}$
 71040427458000 $x^6 y^{19}$
 57671293680 $x^8 y^{19}$
 1225224 $x^{10} y^{19}$

1976800894568257016 $x^0 y^{20}$
 558725222376014148 $x^2 y^{20}$
 13100106504480996 $x^4 y^{20}$
 56685104654178 $x^6 y^{20}$
 38103853788 $x^8 y^{20}$
 306306 $x^{10} y^{20}$

2094441457974353852 $x^0 y^{21}$
 537461219210094504 $x^2 y^{21}$
 11552942485678308 $x^4 y^{21}$
 44877102492222 $x^6 y^{21}$
 24705504252 $x^8 y^{21}$
 43758 $x^{10} y^{21}$

2189423438141423068 $x^0 y^{22}$
 512815376542020240 $x^2 y^{22}$
 10129550777834436 $x^4 y^{22}$
 35235015850944 $x^6 y^{22}$
 15687243000 $x^8 y^{22}$

2261377271592089976 $x^0 y^{23}$
 485731235581112664 $x^2 y^{23}$
 8830959593849640 $x^4 y^{23}$
 27422934608160 $x^6 y^{23}$
 9727403400 $x^8 y^{23}$

2310656935839321888 $x^0 y^{24}$
 457020893514043950 $x^2 y^{24}$
 7655062190977110 $x^4 y^{24}$
 21146851645920 $x^6 y^{24}$
 5873198760 $x^8 y^{24}$

2338189391320426644 $x^0 y^{25}$
 427371096216337416 $x^2 y^{25}$
 6597677249234526 $x^4 y^{25}$
 16150667524992 $x^6 y^{25}$
 3445154856 $x^8 y^{25}$

1597641875333458438 $x^1 y^{19}$
 116068911568295686 $x^3 y^{19}$
 1249264488283812 $x^5 y^{19}$
 2629506319440 $x^7 y^{19}$
 595595000 $x^9 y^{19}$

1628090609670922684 $x^1 y^{20}$
 107692893520512300 $x^3 y^{20}$
 1056128747671998 $x^5 y^{20}$
 1943603257596 $x^7 y^{20}$
 323152830 $x^9 y^{20}$

1639525808000781012 $x^1 y^{21}$
 99212754447487252 $x^3 y^{21}$
 887361505764162 $x^5 y^{21}$
 1420254543708 $x^7 y^{21}$
 168395370 $x^9 y^{21}$

1633773594934989300 $x^1 y^{22}$
 90809366486722208 $x^3 y^{22}$
 740852541284544 $x^5 y^{22}$
 1025200811700 $x^7 y^{22}$
 83431920 $x^9 y^{22}$

1612860598573477188 $x^1 y^{23}$
 82618294757698440 $x^3 y^{23}$
 614488791973212 $x^5 y^{23}$
 730374086520 $x^7 y^{23}$
 38507040 $x^9 y^{23}$

1578882400268732871 $x^1 y^{24}$
 74738634174875385 $x^3 y^{24}$
 506221119612936 $x^5 y^{24}$
 513082241100 $x^7 y^{24}$
 16044600 $x^9 y^{24}$

1533906995656204494 $x^1 y^{25}$
 67240688387212704 $x^3 y^{25}$
 414098842837680 $x^5 y^{25}$
 355133626848 $x^7 y^{25}$
 5834400 $x^9 y^{25}$

2345330992999073508 $x^0 y^{26}$	1479908322070796637 $x^1 y^{26}$
397354220887238100 $x^2 y^{26}$	60172312335867753 $x^3 y^{26}$
5653258762937898 $x^4 y^{26}$	336282000233256 $x^5 y^{26}$
12211772076504 $x^6 y^{26}$	241992241920 $x^7 y^{26}$
1958082984 $x^8 y^{26}$	1750320 $x^9 y^{26}$
2333738169343451344 $x^0 y^{27}$	1418724251927462150 $x^1 y^{27}$
367441402326161850 $x^2 y^{27}$	53563909200917318 $x^3 y^{27}$
4815354699425886 $x^4 y^{27}$	271044857796636 $x^5 y^{27}$
9137609096616 $x^6 y^{27}$	162169481760 $x^7 y^{27}$
1073821320 $x^8 y^{27}$	388960 $x^9 y^{27}$
2305256249769368008 $x^0 y^{28}$	1352033468496108020 $x^1 y^{28}$
338015893973764560 $x^2 y^{28}$	47432235100902220 $x^3 y^{28}$
4076913583142400 $x^4 y^{28}$	216780016614876 $x^5 y^{28}$
6763245464976 $x^6 y^{28}$	106741223160 $x^7 y^{28}$
564478200 $x^8 y^{28}$	48620 $x^9 y^{28}$
2261827742216803228 $x^0 y^{29}$	1281346114258322960 $x^1 y^{29}$
309385509307948980 $x^2 y^{29}$	41783260394467800 $x^3 y^{29}$
3430510587628410 $x^4 y^{29}$	172004051944296 $x^5 y^{29}$
4949124696516 $x^6 y^{29}$	68899304760 $x^7 y^{29}$
281582730 $x^8 y^{29}$	
2205419545133911868 $x^0 y^{30}$	1208003867452154916 $x^1 y^{30}$
281793590743529532 $x^2 y^{30}$	36614340815185276 $x^3 y^{30}$
2868530326477530 $x^4 y^{30}$	135362339053656 $x^5 y^{30}$
3578637322260 $x^6 y^{30}$	43537284648 $x^7 y^{30}$
131405274 $x^8 y^{30}$	
2137967416927688704 $x^0 y^{31}$	1133185985830490208 $x^1 y^{31}$
255428359297425912 $x^2 y^{31}$	31915904848914944 $x^3 y^{31}$
2383321378568130 $x^4 y^{31}$	105631235269560 $x^5 y^{31}$
2555496867924 $x^6 y^{31}$	26882289720 $x^7 y^{31}$
56316546 $x^8 y^{31}$	
2061335391600290400 $x^0 y^{32}$	1057918718499064074 $x^1 y^{32}$
230430735992220660 $x^2 y^{32}$	27672809575180770 $x^3 y^{32}$
1967328400687650 $x^4 y^{32}$	81717227471880 $x^5 y^{32}$
1801092144852 $x^6 y^{32}$	16186084200 $x^7 y^{32}$
21660210 $x^8 y^{32}$	

1977287589394742286 $x^0 y^{33}$
 206900849965167618 $x^2 y^{33}$
 1613205173839350 $x^4 y^{33}$
 1251989185356 $x^6 y^{33}$
 7220070 $x^8 y^{33}$

983086251111127164 $x^1 y^{33}$
 23865473947153020 $x^3 y^{33}$
 62653577857416 $x^5 y^{33}$
 9479176200 $x^7 y^{33}$

1887469909264739982 $x^0 y^{34}$
 184903500499647930 $x^2 y^{34}$
 1313910920554050 $x^4 y^{34}$
 857675623896 $x^6 y^{34}$
 1969110 $x^8 y^{34}$

909441989988112230 $x^1 y^{34}$
 20470865533533870 $x^3 y^{34}$
 47595176978076 $x^5 y^{34}$
 5381040600 $x^7 y^{34}$

1793399311280540496 $x^0 y^{35}$
 164472841651393080 $x^2 y^{35}$
 1062790177247994 $x^4 y^{35}$
 578499313392 $x^6 y^{35}$
 393822 $x^8 y^{35}$

837619500352274952 $x^1 y^{35}$
 17463388079257692 $x^3 y^{35}$
 35811811824516 $x^5 y^{35}$
 2947363848 $x^7 y^{35}$

1696458725165922432 $x^0 y^{36}$
 145616520207145416 $x^2 y^{36}$
 853634703494742 $x^4 y^{36}$
 383779976580 $x^6 y^{36}$
 43758 $x^8 y^{36}$

768142790282770656 $x^1 y^{36}$
 14815691320710072 $x^3 y^{36}$
 26679899518272 $x^5 y^{36}$
 1548158040 $x^7 y^{36}$

1597895992778028372 $x^0 y^{37}$
 128319436390589028 $x^2 y^{37}$
 680726349840264 $x^4 y^{37}$
 250118452584 $x^6 y^{37}$

701435878788384792 $x^1 y^{37}$
 12499406183724096 $x^3 y^{37}$
 19673032146768 $x^5 y^{37}$
 773641440 $x^7 y^{37}$

1498825617601172796 $x^0 y^{38}$
 112547232691079004 $x^2 y^{38}$
 538861418915820 $x^4 y^{38}$
 159924200436 $x^6 y^{38}$

637831720904022216 $x^1 y^{38}$
 10485800395592340 $x^3 y^{38}$
 14351846945436 $x^5 y^{38}$
 364066560 $x^7 y^{38}$

1400232419542086936 $x^0 y^{39}$
 98249564069687100 $x^2 y^{39}$
 423358437717600 $x^4 y^{39}$
 100167983916 $x^6 y^{39}$

577580614246410144 $x^1 y^{39}$
 8746348822837920 $x^3 y^{39}$
 10353737693376 $x^5 y^{39}$
 159279120 $x^7 y^{39}$

1302976461361654800 $x^0 y^{40}$
 85363167161824524 $x^2 y^{40}$
 330051977688048 $x^4 y^{40}$
 61350232944 $x^6 y^{40}$

520858211086886421 $x^1 y^{40}$
 7253215482026535 $x^3 y^{40}$
 7382823020496 $x^5 y^{40}$
 63711648 $x^7 y^{40}$

1207798819981719936 $x^0 y^{41}$	467773232724298578 $x^1 y^{41}$
73814725103513688 $x^2 y^{41}$	5979647484277698 $x^3 y^{41}$
255275309313024 $x^4 y^{41}$	5200458367104 $x^5 y^{41}$
36663602976 $x^6 y^{41}$	22754160 $x^7 y^{41}$
1115327925982764390 $x^0 y^{42}$	418374945622777419 $x^1 y^{42}$
63523514328922476 $x^2 y^{42}$	4900283934238407 $x^3 y^{42}$
195834467842728 $x^4 y^{42}$	3616455698856 $x^5 y^{42}$
21321756456 $x^6 y^{42}$	7001280 $x^7 y^{42}$
1026086296324493724 $x^0 y^{43}$	372660421423050072 $x^1 y^{43}$
54403816390977708 $x^2 y^{43}$	3991384705685520 $x^3 y^{43}$
148975962109260 $x^4 y^{43}$	2481089627016 $x^5 y^{43}$
12026390376 $x^6 y^{43}$	1750320 $x^7 y^{43}$
940497548536405620 $x^0 y^{44}$	330581570941945368 $x^1 y^{44}$
46367079071856660 $x^2 y^{44}$	3230985469890360 $x^3 y^{44}$
112350139710900 $x^4 y^{44}$	1677946941216 $x^5 y^{44}$
6552052416 $x^6 y^{44}$	318240 $x^7 y^{44}$
858893619137599744 $x^0 y^{45}$	292051918545482228 $x^1 y^{45}$
39323815528721724 $x^2 y^{45}$	2598986703682824 $x^3 y^{45}$
83972084518140 $x^4 y^{45}$	1117655347536 $x^5 y^{45}$
3430255920 $x^6 y^{45}$	31824 $x^7 y^{45}$
781522123943213548 $x^0 y^{46}$	256953069135406736 $x^1 y^{46}$
33185236810743108 $x^2 y^{46}$	2077185443028696 $x^3 y^{46}$
62181710141460 $x^4 y^{46}$	732489030000 $x^5 y^{46}$
1714905192 $x^6 y^{46}$	
708553801078416436 $x^0 y^{47}$	225140815088458880 $x^1 y^{47}$
27864620326703160 $x^2 y^{47}$	1649259026131080 $x^3 y^{47}$
45604424130720 $x^4 y^{47}$	471812933592 $x^5 y^{47}$
812323512 $x^6 y^{47}$	
640089975122579124 $x^0 y^{48}$	196450833084526644 $x^1 y^{48}$
23278423505309700 $x^2 y^{48}$	1300709988821880 $x^3 y^{48}$
33113421573960 $x^4 y^{48}$	298300386384 $x^5 y^{48}$
361032672 $x^6 y^{48}$	
576169977095693916 $x^0 y^{49}$	170703928483561044 $x^1 y^{49}$
19347157296714780 $x^2 y^{49}$	1018780770858240 $x^3 y^{49}$
23794364965800 $x^4 y^{49}$	184842193536 $x^5 y^{49}$
148660512 $x^6 y^{49}$	

516778452476142948 $x^0 y^{50}$	147710795502468744 $x^1 y^{50}$
15996038124948336 $x^2 y^{50}$	792346126035516 $x^3 y^{50}$
16912943816340 $x^4 y^{50}$	112058374428 $x^5 y^{50}$
55747692 $x^6 y^{50}$	
461852489266040340 $x^0 y^{51}$	127276273139089152 $x^1 y^{51}$
13155439523661396 $x^2 y^{51}$	611790239868444 $x^3 y^{51}$
11885593760040 $x^4 y^{51}$	66324438180 $x^5 y^{51}$
18582564 $x^6 y^{51}$	
411288500581431564 $x^0 y^{52}$	109203088410376356 $x^1 y^{52}$
10761166211948820 $x^2 y^{52}$	468874646555700 $x^3 y^{52}$
8253490961100 $x^4 y^{52}$	38230098984 $x^5 y^{52}$
5309304 $x^6 y^{52}$	
364948801132540488 $x^0 y^{53}$	93295089335399700 $x^1 y^{53}$
8754574044284820 $x^2 y^{53}$	356602150960440 $x^3 y^{53}$
5659813804260 $x^4 y^{53}$	21396652200 $x^5 y^{53}$
1225224 $x^6 y^{53}$	
322667823846418436 $x^0 y^{54}$	79359979849015540 $x^1 y^{54}$
7082559266853780 $x^2 y^{54}$	269081096933880 $x^3 y^{54}$
3830162536200 $x^4 y^{54}$	11586330756 $x^5 y^{54}$
204204 $x^6 y^{54}$	
284257931268239084 $x^0 y^{55}$	67211577274280104 $x^1 y^{55}$
5697439906592808 $x^2 y^{55}$	201393470194644 $x^3 y^{55}$
2555945448420 $x^4 y^{55}$	6044308452 $x^5 y^{55}$
18564 $x^6 y^{55}$	
249514785737674556 $x^0 y^{56}$	56671619964115585 $x^1 y^{56}$
4556750972441517 $x^2 y^{56}$	149469504740556 $x^3 y^{56}$
1680482125920 $x^4 y^{56}$	3022070688 $x^5 y^{56}$
218222252165589666 $x^0 y^{57}$	47571158167780227 $x^1 y^{57}$
3622973563998555 $x^2 y^{57}$	109970708810040 $x^3 y^{57}$
1087539850800 $x^4 y^{57}$	1439081280 $x^5 y^{57}$
190156817073119400 $x^0 y^{58}$	39751565097884292 $x^1 y^{58}$
2863216088703360 $x^2 y^{58}$	80182562847660 $x^3 y^{58}$
692005401360 $x^4 y^{58}$	647586576 $x^5 y^{58}$
165091517016381864 $x^0 y^{59}$	33065207661562272 $x^1 y^{59}$
2248863710719860 $x^2 y^{59}$	57917578740840 $x^3 y^{59}$
432396864900 $x^4 y^{59}$	272668032 $x^5 y^{59}$

142799378312829888 $x^0 y^{60}$	27375817520100036 $x^1 y^{60}$
1755210001658256 $x^2 y^{60}$	41428947952392 $x^3 y^{60}$
264934362420 $x^4 y^{60}$	106037568 $x^5 y^{60}$
123056377905656676 $x^0 y^{61}$	22558603225357992 $x^1 y^{61}$
1361082621004704 $x^2 y^{61}$	29334640514088 $x^3 y^{61}$
158910717420 $x^4 y^{61}$	37425024 $x^5 y^{61}$
105643942123732584 $x^0 y^{62}$	18500143323566424 $x^1 y^{62}$
1048472785215180 $x^2 y^{62}$	20551537581120 $x^3 y^{62}$
93129554700 $x^4 y^{62}$	11695320 $x^5 y^{62}$
90351005949722544 $x^0 y^{63}$	15098098683140616 $x^1 y^{63}$
802176332059440 $x^2 y^{63}$	14238976093680 $x^3 y^{63}$
53206306920 $x^4 y^{63}$	3118752 $x^5 y^{63}$
76975660175973936 $x^0 y^{64}$	12260780044511466 $x^1 y^{64}$
609452380434690 $x^2 y^{64}$	9750944037120 $x^3 y^{64}$
29555346600 $x^4 y^{64}$	668304 $x^5 y^{64}$
65326417515633768 $x^0 y^{65}$	9906604045901634 $x^1 y^{65}$
459703948093902 $x^2 y^{65}$	6596080352064 $x^3 y^{65}$
15913389240 $x^4 y^{65}$	102816 $x^5 y^{65}$
55223131378863168 $x^0 y^{66}$	7963467882872328 $x^1 y^{66}$
344183439663360 $x^2 y^{66}$	4404597144696 $x^3 y^{66}$
8274760200 $x^4 y^{66}$	8568 $x^5 y^{66}$
46497602676756240 $x^0 y^{67}$	6368069441050056 $x^1 y^{67}$
255724667274240 $x^2 y^{67}$	2901244752000 $x^3 y^{67}$
4137358680 $x^4 y^{67}$	
38993910755076576 $x^0 y^{68}$	5065196322384396 $x^1 y^{68}$
188502018900660 $x^2 y^{68}$	1883473366320 $x^3 y^{68}$
1978736760 $x^4 y^{68}$	
32568504479728992 $x^0 y^{69}$	4007003773390956 $x^1 y^{69}$
137816539191180 $x^2 y^{69}$	1203999778800 $x^3 y^{69}$
899425800 $x^4 y^{69}$	
27090088701316128 $x^0 y^{70}$	3152298209482584 $x^1 y^{70}$
99908021732688 $x^2 y^{70}$	757056839760 $x^3 y^{70}$
385468200 $x^4 y^{70}$	

22439339928629712 $x^0 y^{71}$	2465839884640824 $x^1 y^{71}$
71791713466200 $x^2 y^{71}$	467680093920 $x^3 y^{71}$
154187280 $x^4 y^{71}$	
18508483152988048 $x^0 y^{72}$	1917675334589769 $x^1 y^{72}$
51117882011235 $x^2 y^{72}$	283465596960 $x^3 y^{72}$
56805840 $x^4 y^{72}$	
15200759496528944 $x^0 y^{73}$	1482507562534011 $x^1 y^{73}$
36052274487645 $x^2 y^{73}$	168311248560 $x^3 y^{73}$
18935280 $x^4 y^{73}$	
12429811811717352 $x^0 y^{74}$	1139109563616336 $x^1 y^{74}$
25175381634000 $x^2 y^{74}$	97728321600 $x^3 y^{74}$
5569200 $x^4 y^{74}$	
10119012632593800 $x^0 y^{75}$	869784709758120 $x^1 y^{75}$
17398394092404 $x^2 y^{75}$	55378454040 $x^3 y^{75}$
1392300 $x^4 y^{75}$	
8200756057973232 $x^0 y^{76}$	659875742612424 $x^1 y^{76}$
11893780550340 $x^2 y^{76}$	30553188120 $x^3 y^{76}$
278460 $x^4 y^{76}$	
6615732310561764 $x^0 y^{77}$	497322642647844 $x^1 y^{77}$
8038513386540 $x^2 y^{77}$	16367640120 $x^3 y^{77}$
39780 $x^4 y^{77}$	
5312200931204232 $x^0 y^{78}$	372268443279984 $x^1 y^{78}$
5368101472620 $x^2 y^{78}$	8486895720 $x^3 y^{78}$
3060 $x^4 y^{78}$	
4245275890862400 $x^0 y^{79}$	276711120883824 $x^1 y^{79}$
3539748562560 $x^2 y^{79}$	4243444800 $x^3 y^{79}$
3376233380098128 $x^0 y^{80}$	204198990459720 $x^1 y^{80}$
2303128017900 $x^2 y^{80}$	2036853504 $x^3 y^{80}$
2671850701603472 $x^0 y^{81}$	149566545914880 $x^1 y^{81}$
1477441296180 $x^2 y^{81}$	933557856 $x^3 y^{81}$
2103782570216836 $x^0 y^{82}$	108707375264448 $x^1 y^{82}$
933601483440 $x^2 y^{82}$	405894720 $x^3 y^{82}$

1647979232026020 $x^0 y^{83}$ 580548818160 $x^2 y^{83}$	78380626343952 $x^1 y^{83}$ 166047840 $x^3 y^{83}$
1284149156372388 $x^0 y^{84}$ 354858903720 $x^2 y^{84}$	56047470515712 $x^1 y^{84}$ 63256320 $x^3 y^{84}$
995267631426516 $x^0 y^{85}$ 212943807576 $x^2 y^{85}$	39734084623176 $x^1 y^{85}$ 22139712 $x^3 y^{85}$
767131399086228 $x^0 y^{86}$ 125270316720 $x^2 y^{86}$	27917821538784 $x^1 y^{86}$ 6991488 $x^3 y^{86}$
587958486996852 $x^0 y^{87}$ 72127982160 $x^2 y^{87}$	19433446011408 $x^1 y^{87}$ 1942080 $x^3 y^{87}$
448031619533748 $x^0 y^{88}$ 40572632565 $x^2 y^{88}$	13396556780175 $x^1 y^{88}$ 456960 $x^3 y^{88}$
339382997953116 $x^0 y^{89}$ 22249632555 $x^2 y^{89}$	9141582433125 $x^1 y^{89}$ 85680 $x^3 y^{89}$
255517813187964 $x^0 y^{90}$ 11866487832 $x^2 y^{90}$	6172014263928 $x^1 y^{90}$ 11424 $x^3 y^{90}$
191173572600540 $x^0 y^{91}$ 6137839800 $x^2 y^{91}$	4120813976856 $x^1 y^{91}$ 816 $x^3 y^{91}$
142112163875772 $x^0 y^{92}$ 3068919900 $x^2 y^{92}$	2719199440284 $x^1 y^{92}$
104941525071996 $x^0 y^{93}$ 1477628100 $x^2 y^{93}$	1772261864028 $x^1 y^{93}$
76963820507964 $x^0 y^{94}$ 681982200 $x^2 y^{94}$	1140098725368 $x^1 y^{94}$
56047119873372 $x^0 y^{95}$ 300072168 $x^2 y^{95}$	723356042616 $x^1 y^{95}$
40517726537628 $x^0 y^{96}$ 125030070 $x^2 y^{96}$	452260065726 $x^1 y^{96}$
29070486125676 $x^0 y^{97}$ 48924810 $x^2 y^{97}$	278382046806 $x^1 y^{97}$

20694615535404 $x^0 y^{98}$ 17790840 $x^2 y^{98}$	168521200056 $x^1 y^{98}$
14612815077772 $x^0 y^{99}$ 5930280 $x^2 y^{99}$	100211571576 $x^1 y^{99}$
10231653545420 $x^0 y^{100}$ 1779084 $x^2 y^{100}$	58460011740 $x^1 y^{100}$
7101440697852 $x^0 y^{101}$ 468180 $x^2 y^{101}$	33406697484 $x^1 y^{101}$
4884018413244 $x^0 y^{102}$ 104040 $x^2 y^{102}$	18668704104 $x^1 y^{102}$
3327106539612 $x^0 y^{103}$ 18360 $x^2 y^{103}$	10182985704 $x^1 y^{103}$
2244029466780 $x^0 y^{104}$ 2295 $x^2 y^{104}$	5409720909 $x^1 y^{104}$
1497822885588 $x^0 y^{105}$ 153 $x^2 y^{105}$	2792115207 $x^1 y^{105}$
988876240404 $x^0 y^{106}$	1396057680 $x^1 y^{106}$
645404872500 $x^0 y^{107}$	673958880 $x^1 y^{107}$
416167214324 $x^0 y^{108}$	312909480 $x^1 y^{108}$
264947467108 $x^0 y^{109}$	139070880 $x^1 y^{109}$
166414110372 $x^0 y^{110}$	58837680 $x^1 y^{110}$
103040673156 $x^0 y^{111}$	23535072 $x^1 y^{111}$
62838863172 $x^0 y^{112}$	8825652 $x^1 y^{112}$
37706848164 $x^0 y^{113}$	3069792 $x^1 y^{113}$
22238631396 $x^0 y^{114}$	976752 $x^1 y^{114}$
12875408388 $x^0 y^{115}$	279072 $x^1 y^{115}$
7307784900 $x^0 y^{116}$	69768 $x^1 y^{116}$

$$4059911508 x^0 y^{117}$$

$$14688 x^1 y^{117}$$

$$2203958676 x^0 y^{118}$$

$$2448 x^1 y^{118}$$

$$1166802804 x^0 y^{119}$$

$$288 x^1 y^{119}$$

$$601080372 x^0 y^{120}$$

$$18 x^1 y^{120}$$

$$300540195 x^0 y^{121}$$

$$145422675 x^0 y^{122}$$

$$67863915 x^0 y^{123}$$

$$30421755 x^0 y^{124}$$

$$13037895 x^0 y^{125}$$

$$5311735 x^0 y^{126}$$

$$2042975 x^0 y^{127}$$

$$735471 x^0 y^{128}$$

$$245157 x^0 y^{129}$$

$$74613 x^0 y^{130}$$

$$20349 x^0 y^{131}$$

$$4845 x^0 y^{132}$$

$$969 x^0 y^{133}$$

$$153 x^0 y^{134}$$

$$17 x^0 y^{135}$$

$$1 x^0 y^{136}$$

Number of spanning trees: st2=1214 st = 39531096594251776 or 121439531096594251776

TEST: tutteMat[ONE][ZERO]==tutteMat[ZERO][ONE] passed

TEST: tutteMat[TWO][ZERO]-tutteMat[ONE][ONE]+tutteMat[ZERO][TWO]==tutteMat[ONE][ZERO] passed

TEST: tutteMat[THREE][ZERO]-tutteMat[TWO][ONE]+tutteMat[ONE][TWO]-tutteMat[ZERO][THREE]==tutteMat[ONE][ZERO] passed

threshold	graphs	matches	ratio
18	1	0	0.00
17	17	0	0.00
16	31	377	12.16
15	49	881	17.98
14	65	1593	24.51
13	79	2348	29.72
12	91	3074	33.78
11	101	3711	36.74
10	109	4211	38.63
9	115	4538	39.46
8	119	4668	39.23
total	777	25401	32.69

77.68u 0.29s 2:52.39 45.2%