```
unit txt400;
  interface
          MemTypes, QuickDraw, OSIntf, ToolIntf, PackIntf,
PrintTraps, PasLibIntf,
     qlobals;
    procedure text400(i,full:longint);
implementation
procedure text350(i,full:longint);
   begin
     case i of
 301: if full = 1 then write('if cubic ...more...')
       begin
       writeln('if cubic, nconn > 1, planar, not Hamiltonian, and
bipartite');
       if full <> 0 then write('
                               then nodes >= 26');
       write('
302: write('if cubic, nconn > 1, planar, not Hamiltonian then
nodes >= 14');
303: write('if cubic, nconn > 1, not Hamiltonian, and bipartite
then nodes >= 20 ') ;
304: if full = 1 then write('if regular and econn >= mindeg-2 >=
1 then ...more...')
    else
      begin
        writeln('if regular and econn >= mindeg-2 >= 1 then');
        if full <> 0 then write('
                                         ');
        writeln('
                            eind >= nodes/2-FL[(nodes+1)/(2*x)],
when nodes even, else');
        if full <> 0 then write('
                                           ');
        writeln('
                                 >= (nodes-MAX{2*FL[(nodes+1
+x)/(2*x)]-1, 1})/2');
        if full <> 0 then write('
                                  where x = mindeg*FL[(mindeg+
        write('
3)/2]-1');
      end;
305: write('if cubic then eind >= nodes/2-FL[(nodes+3)/18]-
FL[(ncomp+4)/6]');
306: write('if clique = 2 and maxdeg <= 4 then edges >= 6
*nodes-13*nind');
307: if full = 1 then write('if econn > 0 then econn >=
MIN{mindeg, ...more...')
    else
      begin
        writeln('if econn > 0 then econn >= MIN{mindeg,
nodes*(maxdeg-2)/x');
```

```
if full <> 0 then write(' ');
        write('
                               where x =
(\max_{j=1}^{k}) ** (\dim_{j=1}) + \max_{j=1}^{k} (\max_{j=1}^{k}) - 1');
     end;
308: write('if nconn >= 2 and nind >= 2 then circ >= 2
*(nodes-2)/nind+2');
309: write('if cubic, nconn = 3, and planar then circ >=
MIN[nodes, 17]');
310: write('if cubic, nconn = 3, planar, and nodes <= 36 then
Hamiltonian');
311: if full = 1 then write('if clique < chr = maxdeg
then ...more...')
      else
       begin
         writeln('if clique < chr = maxdeg then ');</pre>
         if full <> 0 then write('
                                            ');
                             nodes >= 2*maxdeg {-1, if maxdeg <=</pre>
         write('
8}');
       end;
312: write('if cubic and econn >= 2 then eind = nodes/2');
313: write('if regular and nconn >= 3 then circ >= MIN[nodes, 3
*mindeg]');
314: if full = 1 then write('if regular ...more...')
      else
       begin
       writeln('if regular, nconn >= 2, and nodes <= 3*mindeg+</pre>
3');
      if full <> 0 then write('
                                          ');
       write('
                               then circ >= MIN[nodes, 3
*mindeg]');
     end;
315: if full = 1 then write('if regular and nconn >= 2
then ...more...')
      else
       begin
       writeln('if regular and nconn >= 2 then');
       if full <> 0 then write('
                                          ');
       write('
                           circ >= MIN[nodes, 3*mindeg, 2*mindeg+
4]');
     end;
316: write('if regular, nodes even, maxdeg >= 6*nodes/7 then echr
= maxdeq');
317: if full = 1 then write('if maxdeg = nodes-1 ...more...')
      else
       begin
       writeln('if maxdeg = nodes-1 and ');
       if full <> 0 then write('
                                    ');
       write('
       writeln('edges <= 2*FL[(nodes-1)/2]**2 {+mindeg, if nodes</pre>
even}');
       if full <> 0 then write('
       write('
                              then echr = maxdeg');
```

```
end;
318: if full = 1 then write('if spectr > ...more...')
     else
      begin
      writeln('if spectr > SQRT[maxdeg]*(nodes*Ck/2)**(1/(2*k))
then ');
       if full <> 0 then write('
                                        ');
      write('
                    ');
      write('
                     girth <= 2*k+1, where Ck is the k\th
Catalan number.');
319: if full = 1 then write('if spectr >= ...more... then girth
<= 4')
     else
      begin
      writeln('if spectr >= (2*edges(2*maxdeg-1)-2*s*(maxdeg-
s))**(1/4)');
      if full <> 0 then write('
                                        ');
      write('
                          ');
      writeln('where 2*edges = q*maxdeg+s, 0 <= s < maxdeg,');</pre>
      if full <> 0 then write('
                                  ');
      write('
                         then girth <= 4');
320: write('if connct, regular, nodes odd and < 5*mindeg/2 then
girth = 3');
321: if full = 1 then write('if connct, regular ...more...')
     else
      begin
      writeln('if connct, regular, and not complete then
       if full <> 0 then write('
                                        ');
                          >= 3*nodes/4,
      writeln('
if mindeg <= 3');</pre>
       if full <> 0 then write('
                                     ');
mindeg*nodes/((mindeg-1)*(mindeg-2)), if mindeg >= 5');
322: if full = 1 then write('if connct, regular ...more...')
     else
      begin
      writeln('if connct, regular, mindeg <= 4 and not complete
       if full <> 0 then write('
                                        ');
      writeln('
                          eccov >= 3*nodes/5');
       if full <> 0 then write('
                                  ');
      write('
                                 \{+1, \text{ if nodes} = 7, 3 \text{ MOD 5, but}
<> 13 or 18}');
     end;
323: if full = 1 then write('if girth >= 6 then
nind >= ...more...')
      else
        begin
```

```
writeln('if girth >= 6 then nind >= ');
          if full <> 0 then write(' ');
          write('
                               nodes*(2*maxdeg-1)/(maxdeg**2+2
*maxdeg-1)');
        end;
324: if full = 1 then write('if cubic then nind >= ...more...')
     else
      begin
      writeln('if cubic then nind >= 19*nodes/52, if girth >=
6');
                                        ');
      if full <> 0 then write('
      write('
                                        >= 20*nodes/53, if
girth >= 8');
325: if full = 1 then write('if regular, ...more...')
     else
      begin
      writeln('if regular, girth even and >= 6, connct, and
nodes <=');
      if full <> 0 then write('
                                ');
      write('
      writeln(' (mindeg*(mindeg-3)+2
*(mindeg-1)**(girth/2))/(mindeg-2)');
      if full <> 0 then write('
                                       ');
      write('
                              then bipartite and diam = girth/2+
1');
    end;
326: if full = 1 then write('if bipartite and nodes odd
then ...more...')
      else
        begin
          writeln('if bipartite and nodes odd then');
          if full <> 0 then write(' ');
                               thick <= CL[(nodes**2-1)/(8
          write('
*nodes-16)]');
        end;
327: write('if edges > 0 then maxdeg >= 2*thick-1');
328: write('nconn <= 6*thick-1');
329: write('if cubic and girth = 10 then nodes >= 70');
330: if full = 1 then write('if edges >= MAX[...more...] then
Hamiltonian')
  else
   begin
     writeln('if edges >= 1+MAX[(nodes-mindeg)*(nodes-
mindeg-1)/2+mindeg**2,');
     if full <> 0 then write('
                                      ');
     writeln('
                         FL[(nodes+
2)/2]*(FL[nodes/2]/2-1)+FL[(nodes-1)/2]**2]');
                                 ');
     if full <> 0 then write('
     write('
                              then Hamiltonian');
   end;
331: write('edges <= nodes*(nodes-1)/2-(mindeg-nconn+1)*(nodes-
```

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mindeg-1)');
332: write('if tree and maxdeg <= nodes-2 then bwidth <=
(nodes-1)/2';
333: write('edges >= 2*bwidth-1');
334: if full = 1 then write('if girth >= 5, mindeg >= 3 and
connct then dom <= ...more...')</pre>
     else
     begin
       writeln('if girth >= 5, mindeg >= 3, and connct then dom
       if full <> 0 then write('
                                          ');
       write('
                          (nodes-1-FL[diam/3]*(mindeg-1)-
(mindeg-1)*(mindeg-2)/2)/2');
        if full <> 0 then write('
                                        ');
335: if full = 1 then write('if nodes/2 <= bwidth < nodes
then ...more...')
     else
      begin
      writeln('if nodes/2 <= bwidth then edges >=');
      if full <> 0 then write('
      write('
                          ');
      write(' (2*FL[nodes/2]-1)*(nodes/(nodes-2))**(bwidth-
FL[nodes/2])');
     end;
336: if full = 1 then write('if bwidth >= nodes/2
then ...more...')
      else
       begin
          writeln('if bwidth >= nodes/2 then');
          if full <> 0 then write(' ');
                             edges >= nodes*(nodes-1)/(2
         write('
*nodes-2*bwidth)');
337: if full = 1 then write('if girth >= 5 then dom
<= ...more...')
      else
         begin
          writeln('if girth >= 5 then dom <=');</pre>
           if full <> 0 then write(' ');
                            nodes/2-(mindeg-1)*(4*edges/(nodes-
          write('
mindeq-2))/4');
338: if full = 1 then write('if connected, girth >= 5
and ...more...')
     else
      begin
      writeln('if connected, girth >= 5 and mindeg >= 4 then');
      if full <> 0 then write(' ');
                         dom <=(nodes-maxdeg-
      write('
mindeg*(mindeg-3)/2)/2');
    end;
```

```
339: write('if girth >= 5 then dom >= mindeg*ncomp');
340: write('if girth >= 6 then dom >= 2*mindeg-2');
341: write('if mindeg >= 2 and girth >= 7 then dom >= maxdeg+1');
342: if full = 1 then write('if 5 <= girth <= nodes/2 then
edges...more...')
     else
      begin
        writeln('if 5 <= girth <= nodes/2 then');</pre>
         if full <> 0 then write(' ');
                              edges <= (nodes**2)/girth-nodes+
        write('
2');
      end;
343: write('if girth >= 5 then edges <= nodes*SQRT[nodes-1]/2');
344: if full = 1 then write('if not a forest and nodes >= (3
*girth-2)/2 then ...more...')
     else
      begin
        writeln('if not a forest and nodes >= (3*qirth-2)/2
        if full <> 0 then write(' ');
        write('
                            edges <= nodes*(nodes-1)/FL[(3
*girth-5)/2]-ncomp+1');
345: if full = 1 then write('if not a forest thenedges <=
nodes*m**(1/t)+nodes-1...more...')
    else
     begin
       writeln('if not a forest then edges <=</pre>
nodes*m**(1/t)+nodes-1');
        if full <> 0 then write('
                                          , where t =
       writeln('
FL[(girth-1)/2] >= 2 and');
        if full <> 0 then write('
                                        ');
       write('
                                                 m = MAX[1,
(nodes-2**(t+1)+8)/4]');
346: if full = 1 then write('if not a forest...more...')
     else
      writeln('if not a forest and (nconn > 0 or mindeg > 1)
      if full <> 0 then write('
                           genus >= edges*(1-2/girth-2/mindeg)/2
      write('
+ncomp');
    end;
347: write('if diam=2 then nodes <= nconn*maxdeg+1');
348: if full = 1 then write('if not a forest and edges >= nodes+
2-ncomp then...more..')
 else
  begin
    writeln('if not a forest and edges >= nodes+2-ncomp then ');
    if full <> 0 then write('
                                 ');
```

```
write(' nodes >= 3*girth/2-3+2*ncomp');
  end;
349: if full = 1 then write('if not a forest and edges >= nodes+
3-ncomp then...more...')
   begin
     writeln('if not a forest and edges >= nodes+3-ncomp then');
     if full <> 0 then write(' ');
                       nodes >= 2*girth-4+2*ncomp');
     write('
   end;
350: if full = 1 then write('if not a forest and edges >= nodes+
4-ncomp then...more..')
 else
   begin
     writeln('if not a forest and edges >= nodes+4-ncomp then
');
     if full <> 0 then write('
                                      ');
                       nodes >= 9*qirth/4-5+2*ncomp');
     write('
   end;
     end;
     end;
procedure text400(i,full:longint);
  begin
    if i \le 350 then text350(i,full)
         else
    case i of
351: if full = 1 then write('if girth >= MAX[5, (nodes+1)/2]
and ...more...')
     else
       begin
         writeln('if girth >= MAX[5, (nodes+1)/2] and edges >=
nodes+3');
         if full <> 0 then write('
                               then girth <= 8 { <> 7}, nodes =
         writeln('
2*girth-1, nonplanar,');
         if full <> 0 then write('
                                           ');
         write('
                                 nconn = econn = mindeg = 2,
and edges = nodes+3');
       end;
352: if full = 1 then write('if girth >= 5 then
edges ...more...')
      else
       begin
        writeln('if girth >= 5 then ');
                                         ');
        if full <> 0 then write('
        writeln('
                              edges <= nodes*(.5+SQRT[(nodes-
mindeg-1)/S+.25])/2');
        if full <> 0 then write('
                                          ');
                               where t = FL[(girth-1)/2] and S
        writeln('
= t-1, if mindeg <= 2,');
        if full <> 0 then write('
                                         ');
```

```
write('
                                   else S =
((mindeg-1)**(t-1)-1)/(mindeg-2)');
       end;
353: if full = 1 then write('if girth >= 5 then ...more...')
      else
        begin
          writeln('if girth >= 5 then ');
                                             ');
          if full <> 0 then write('
          writeln('
                                 edges <= nodes*(.5+sqrt[(nodes-
k-2)/R+.25])/2');
          if full <> 0 then write('
                                              ');
          writeln('
                                    where t = FL[(girth-1)/2], k =
FL[edges/nodes]');
          if full <> 0 then write('
          writeln('
                                     and R = t-1, if k \le 1, else
');
          if full <> 0 then write('
                                      R = (k**(t-1)-1)/(k-1)');
          write('
        end;
354: if full = 1 then write('if not a forest then edges <=
nodes+...more...')
      else
          writeln('if not a forest then edges <=');</pre>
          if full <> 0 then write('
          writeln('
                                 nodes+k*(2*nodes-girth*(k+1))/(2
*FL[(girth-1)/4])');
          if full <> 0 then write('
                                              ');
                                    where k = FL[(nodes-
          write('
FL[(girth-1)/2])/girth]');
        end;
355: if full = 1 then write('nodes >= 1+maxdeg*S ...more...')
       else
         begin
           writeln('nodes >= 1+maxdeg*S {-
(\max deg-1)*(\min deg-1)**(t-1), if girth even}');
           if full <> 0 then write('
           writeln('
                                        where t = FL[girth/2],');
                                               ');
           if full <> 0 then write('
                                           S = 1, if mindeg = 1,');
           writeln('
                                               ');
           if full <> 0 then write('
           writeln('
                                             = t, if mindeq = 2,
and');
           if full <> 0 then write('
                                              ');
           write('
((\min_{j=1}^{k+1})/(\min_{j=1}^{k+1})/(\min_{j=1}^{k+1}), \text{ if } \min_{j=1}^{k+1} > 2');
         end;
356: write('if regular and eind < nodes/2 then echr = maxdeg+1');
357: write('if regular then eind >= nodes*maxdeg/(2*maxdeg+2)');
358: write('if nconn >= 2 and 3*mindeg >= nodes+nconn then
Hamiltonian');
359: write('if nconn >= 3 then circ >= MIN{nodes, 3*mindeg-
```

```
nconn]');
360: write('if regular and nodes = 2maxdeg+1 then nconn >=
361: if full = 1 then write('if girth >= 4 and mindeg = 2
then ...more...')
      else
        begin
          writeln('if girth >= 4 and mindeg = 2 then');
          if full <> 0 then write('
                                             ');
          writeln('
                                  nind \Rightarrow maxdeg*FL[(t+1)/2] {+1,
if t even}');
          if full <> 0 then write('
                                              ');
          write('
                                        where t =
FL[(girth-2)/2]');
        end;
362: if full = 1 then write('if girth >= 4 and mindeg >= 3
then...more...')
      else
        begin
          writeln('if girth >= 4 and mindeg >= 3 then nind >=
maxdeq*s+k');
          if full <> 0 then write('
                                             ');
                                 where t = FL[(girth-2)/2] and');
          writeln('
          if full <> 0 then write('
                                            ');
                                  s =
          writeln('
(\min_{t=0}^{\infty} 1) * ((\min_{t=0}^{\infty} 1) * *t-1) / (\min_{t=0}^{\infty} 2)) ');
          if full <> 0 then write('
          write('
                               k = 1 or CL[maxdeq/mindeq], when t
is odd or even, resp.');
        end;
363: if full = 1 then write('if diam=2 and nconn >= 3 then
edges >= ...more..')
       else
        begin
          writeln('if diam=2 and nconn >= 3 then edges >=');
          if full <> 0 then write(' ');
          write('
                              (nodes-1)*(k+1)/2-k**2+2*k, k =
nconn');
364: if full = 1 then write('if diam=2, nconn >= 3 and nodes >= 3
*nconn**2+6..')
       else
           writeln('if diam=2, nconn >= 3, and nodes >= 3*nconn**
2+6 then');
           if full <> 0 then write('
                                               ');
           write('
                                  edges >= (nodes-1)*(nconn+
1)/2');
         end;
365: if full = 1 then write('if bipart then xnum <= ...more...')
         begin
```

```
writeln('if bipart then xnum <= (nodes div 4)**2</pre>
*((nodes-2) div 4)**2');
           if full <> 0 then write('
                                               ');
           writeln('
                                 when nodes even, and when odd');
           if full <> 0 then write('
                                              ');
                               xnum <= ((nodes+1) div</pre>
           write('
4)*((nodes-1) div 4)**2*(nodes-3) div 4)');
         end;
366: write('if connct then spectr >= 2*cos(PI/(nodes+1))');
367: if full = 1 then write('if req, mindeq >= 7 and odd, not
bipart, and girth =4 then...')
    else
      begin
        writeln('if reg, mindeg >= 7(<> 9) and odd, not bipart,
and girth = 4 then');
        if full <> 0 then write('
                                           ');
        write('
                               nodes >= 2*CL((5*mindeg+5)/4)');
      end;
 368: write('if bipartite then thick <= nodes/8+2');
 369: write('if clique <= 2 then thick <= genus+1');
 370: write('if genus <= 1 then thick = genus+1');
 371: write('arbor <= earbor');</pre>
 372: write('thick <= earbor');</pre>
 373: write('if genus > 0 then earbor <= 2+CL(sqrt(3*genus))');
 374: write('thick <= 5+sqrt(2*genus-2)');
 375: write('if conncted and regular, earbor <= 4+(6*genus+
2)/(nodes-1)');
 376: write('genus <= (thick-1)*(nodes-1)');
 377: write('earbor <= (maxdeg+2)/2');</pre>
 378: write('earbor >= (mindeg+1)/2');
 379: write('earbor >= edges/(nodes-ncomp)');
 380: write('earbor <= 3*thick');
 381: write('if planar and nodes >= 4 then edges <= 3*nodes-9
+min{3,econn}');
 382: if full = 1 then write('if planar and econn < mindeg then
edges <=...more...')</pre>
    else
      begin
        writeln('if planar and econn < mindeg and (nodes >= 5 or
mindeg >= 2) then');
        if full <> 0 then write('
                                            ');
        writeln('
                                edges <= 3*nodes-11,
when mindeq = econn+1 = 1');
        if full <> 0 then write('
                                           ');
        write('
                                       3*nodes-12+econn,
otherwise.');
      end;
  383: if full = 1 then write('if not a forest then nodes >=
maxdeg+ncomp...more...')
     else
       begin
         writeln('if not a forest then nodes >= maxdeg+ncomp-2
```

```
+');
         if full <> 0 then write('
         write('
                                (circ*(girth-3)+2)/(girth-2)');
       end;
  384: write('ncov <= (2*nodes+edges-eind)/4');
  385: if full = 1 then write('if genus <= (nodes*(sqrt(2
*nodes)-7))/12+1 then...more...')
     else
       begin
         writeln('if genus <= (nodes*(sqrt(2*nodes)-7))/12+1</pre>
then');
         if full <> 0 then write('
         write('
                               eccov <= nind*ncov');</pre>
  386: write('if mindeg >= 2 then dom >= CL(girth/3)*Ncomp');
  387: if full = 1 then write('if mindeg >= 2 and girth >= 5 then
dom <= ...more...')</pre>
      else
        begin
          writeln('if mindeg >= 2 and girth >= 5 then dom <=');</pre>
          if full <> 0 then write('
          writeln('
                                 (nodes-FL(girth/3)-
(girth-4)*(mindeg-2)*(mindeg-3)/2');
          if full <> 0 then write('
                                              ');
                                       -2*(mindeg-2)+1)/2');
          write('
        end;
  388: if full = 1 then write('if mindeg >= 2 and girth >= 9 then
dom <= ...more...')</pre>
      else
        begin
          writeln('if mindeg >= 2 and girth >= 9 then dom <=');</pre>
          if full <> 0 then write('
          write('
                               (nodes-FL(girth/3)-
girth*(mindeg-2)*(mindeg-3)/2+1)/2');
        end;
  389: write('if maxdeg >= 6 and clique < maxdeg then nodes
< maxdeq*nind');
  390: write('if not a 5-cycle, then max{clique, nind} >= .5
*log2(2*sqrt(PI)*nodes)');
  391: if full = 1 then write('if circ <= nodes-mindeg
then ...more...')
         else
           begin
             writeln('if circ <= nodes-mindeg then edges <=');</pre>
             if full <> 0 then write('
                                         ');
                                    nodes(nodes-1)/2-mindeg(nodes-
             write('
mindeg-1)');
  392: write('if girth = 5 then nodes >= 19,30,40 when mindeg =
4,5, >= 6');
  393: if full = 1 then write('if girth = 6 and mindeg >= 7
then ...more...')
```

```
else
         begin
           writeln('if girth = 6 and mindeg >= 7 then nodes >=
93, if not regular');
           if full <> 0 then write('
                                       ');
           write('
nodes >= 90, otherwise');
         end;
  394: if full = 1 then write('if clique = 2 then nind >= ...
more...')
    else
      begin
        writeln('if clique = 2 then nind >= nodes*(d*ln(d)-d+
1)/(d-1)**2');
        if full <> 0 then write(' ');
                        where d = 2*edges/nodes, and ln is the
        write('
natural log.');
  395: if full = 1 then write('if connected and not a tree then
nodes >=...more...')
       else
         begin
           writeln('if connected and not a tree then nodes >=
');
                                        CL((diam+
           writeln('
1)/(girth+k))*(1+mindeg*S-m*k)');
           if full <> 0 then write('
                                           ');
           writeln('
                     where k = (1+(-1)**qirth)/2');
           if full <> 0 then write('
                                          ');
           writeln('
                                      t = girth div 2');
           if full <> 0 then write('
                                         ');
                                      m = (mindeg-1)**t');
           writeln('
           if full <> 0 then write('
                                         ');
                                      S = 1 if mindeg = 1');
           writeln('
                                           ');
           if full <> 0 then write('
           writeln('
                                        = t if mindeg = 2');
                                           ');
           if full <> 0 then write('
                                      = (m-1)/(mindeg-2) if
           write('
mindeg >= 3');
         end;
  396: if full = 1 then write('if not a forest then edges
<= ..more..')
     else
       begin
         writeln('if not a forest then edges <=</pre>
nodes*(nodes-1)/(4m)+nodes/2');
         if full <> 0 then write(' ');
                            where t = girth div 2');
         writeln('
         if full <> 0 then write(' ');
         writeln('
                                  s = 1 if mindeq = 1');
                                  ');
         if full <> 0 then write('
                                    = t 	 if mindeg = 2');
         writeln('
```

```
if full <> 0 then write(' ');
         writeln('
((mindeg-1)**t-1)/(mindeg-2), otherwise.');
         if full <> 0 then write('
                                          ');
         writeln('
                                and m = s-((mindeg-1)**(t-1))/2
if odd girth');
         if full <> 0 then write('
                                          ');
                                    = s-(mindeg-1)**(t-1) if
         write('
even girth.');
  397: write('if girth >= 5+4*log3(max{1,genus}) then arbor <=
  398: write('if mindeg >= 2 then nodes >=
girth*Ncomp+maxdeg-2');
  399: if full = 1 then write('if nconn > 0 then
nconn >= ...more...')
      else
       begin
         writeln('if nconn > 0 then nconn >=');
         if full <> 0 then write(' ');
         write('
nodes*(maxdeg-2))/((maxdeg-1)**diam+maxdeg-3)');
  400: if full = 1 then write('if diam = 2 then ...more...')
    else
     begin
       writeln('if diam = 2 then edges >=');
       if full <> 0 then write(' ');
       writeln('
                                               if (2
                            2*nodes-4,
*nodes-2)/3 <= maxdeg < nodes-4');
        if full <> 0 then write('
                                     ');
       writeln('
                                                       or
maxdeq = nodes-2');
        if full <> 0 then write('
                                         ');
       writeln('
                  3*nodes-maxdeq-6,
                                                if (3
nodes-3)/5 \le maxdeg < (2*nodes-2)/3');
       if full <> 0 then write('
       writeln('
                            5*nodes-4*maxdeg-10, if (5
*nodes-3)/9 <= maxdeg < (3*nodes-3)/5');
       if full <> 0 then write('
                   4*nodes-2*maxdeg-13, if (nodes+1)/2
       write('
<= maxdeq < (5*nodes-3)/9');
     end;
end;
end;
end.
```