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\starttext
\startMPcode
  pickup pencircle scaled .25pt;
  picture KadarSatu; KadarSatu := image (
    for i := 0 step 1 until 27 : interim miterlimit := i*cm;
    draw fullsquare shifted (i,0) scaled .75cm withcolor .475white;
  endfor;
  for i := 2.75 step 3 until 9 : interim miterlimit := i*cm;
  draw fullsquare shifted (i,0) scaled .75cm;
  endfor;
) shifted (-6.25cm,0); draw KadarSatu;
  picture KadarDua; KadarDua := image (
    for i := 0 step 1 until 7 : interim miterlimit := i*cm;
    draw fullsquare shifted (0,-i) scaled .75cm withcolor .475white;
  endfor;
) shifted (-8cm,-1.86cm); draw KadarDua;
  picture MyJalur; MyJalur := image (
    draw fullsquare xysized (14,1) shifted (14,-0); picture cp; cp := currentpicture;
    def copy = addto currentpicture also cp enddef; copy yscaled 8 shifted (-14,-3.5);
    copy shifted (0,-1); copy shifted (0,-2); copy shifted (0,-3); copy shifted (0,-4);
    copy shifted (0,-5); copy shifted (0,-6); copy shifted (0,-7);
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copy xscaled 2 shifted (-21,- 8); copy xscaled 2 shifted (-21,- 9);
copy xscaled 2 shifted (-21,-10); copy xscaled 2 shifted (-21,-11);
copy xscaled 2 shifted (-21,-12); copy xscaled 2 shifted (-21,-13);
) xyscaled .75cm shifted (-1.375cm,-1.86cm); draw MyJalur withpen pencircle scaled .25pt;

picture BulanSabit; BulanSabit := image (
  draw      fullcircle scaled 2 xyscaled  2.2500cm      shifted (-2.3100cm,-4.485cm)
  withpen pencircle scaled .5pt;
  draw      fullcircle scaled 2 xyscaled (2.0925cm,1.9575cm) shifted (-1.7175cm,-4.485cm);
  drawpoints fullcircle scaled 2 xyscaled (2.0925cm,1.9575cm) shifted (-1.7175cm,-4.485cm)
  withpen pencircle scaled 3bp; % r_semimajor = 2.79 unit, r_semiminor = 2.61 unit
); draw BulanSabit;

picture BintangPecah; BintangPecah := image (
  a = .75cm; b = 1.875cm; z01 = -z15 = (a, 0); -z08 = z22 = (0, -b);
  c = 1.83cm; d = .42 cm; z02 = -z16 = (c, d); -z14 = z28 = (c, -d);
  e = .68cm; f = .33 cm; z03 = -z17 = (e, f); -z13 = z27 = (e, -f);
  g = 1.47cm; h = 1.17 cm; z04 = -z18 = (g, h); -z12 = z26 = (g, -h);
  i = .47cm; j = .59 cm; z05 = -z19 = (i, j); -z11 = z25 = (i, -j);
  k = .81cm; l = 1.69 cm; z06 = -z20 = (k, l); -z10 = z24 = (k, -l);
  m = .17cm; n = .73 cm; z07 = -z21 = (m, n); -z09 = z23 = (m, -n);

  draw z01--z02--z03--z04--z05--z06--z07--z08--z09--z10--z11--z12--z13--z14--z15
  --z16--z17--z18--z19--z20--z21--z22--z23--z24--z25--z26--z27--z28--cycle
  withpen pencircle scaled .5pt;

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draw fullcircle scaled 2 xyscaled .75cm dashed evenly;
draw fullcircle scaled 5 xyscaled .75cm dashed oddly ;
) shifted (-.0625cm,-4.485cm); draw BintangPecah;

i:=.75cm; drawoptions(dashed evenly);
o=-.0625cm; q=-6.7cm; r=.365cm ; s=-1.485cm; t=-8.375cm; u=14.4cm;
draw ((-8.75i+o,q)--(-8.75i+o,r)); draw ((t, s)--(u, s));
draw ((-6.00i+o,q)--(-6.00i+o,r)); draw ((t,- i+s)--(u,- i+s));
draw ((-5.00i+o,q)--(-5.00i+o,r)); draw ((t,-1.5i+s)--(u,-1.5i+s));
draw ((-3.00i+o,q)--(-3.00i+o,r)); draw ((t,-3.0i+s)--(u,-3.0i+s));
draw ((-2.21i+o,q)--(-2.21i+o,r)); draw ((t,-4.0i+s)--(u,-4.0i+s));
draw (( o,q)--( o,r)); draw ((t,-5.0i+s)--(u,-5.0i+s));
draw (( .58i+o,q)--( .58i+o,r)); draw ((t,-6.5i+s)--(u,-6.5i+s));
draw (( 2.50i+o,q)--( 2.50i+o,r)); draw ((t,-7.0i+s)--(u,-7.0i+s));
draw (( 5.25i+o,q)--( 5.25i+o,r)); draw ((t,-8.0i+s)--(u,-8.0i+s));
draw ((19.25i+o,q)--(19.25i+o,r));
\stopMPcode

\stoptext
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