

Figure 20.1:

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+++++++ 33. s SEQ Search, Bottom-Up, PVAA, Menu ++++++
      r SEQ data len: 16383

      -- s SEQ search params --
3310. range: p0r p1r p2r p3r = 60 100 200 300

      -- s SEQ aperiodicity analysis params --
3314. block length (beg, end)  = 2 128
3315. u SEQ length, max       = 2048

      -- s SEQ show params --
3320. cand failed: NO
3322. CORE & CAN CONJ APER: YES
3324. CORE & CANNOT CONJ APER: NO
3326. FWD-ITER-DRV & CAN CONJ APER: NO
3328. FWD-ITER-DRV & CANNOT CONJ APER: NO
3330. MOD 3 BIT PLANE ONLY: NO
3332. show s SEQ aperiodicity analysis result rationale
3334. show s SEQ search stats

      -- Misc controls --
3340. search entire space for s SEQs

3370. Search r SEQ for PVAA s SEQs
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Command? 3370

...

0109. 0 : [10 18 [21 72]] : FIRE! [len = 27]; CORE; CAN CONJ APERIODIC
      all repeating block lengths from 2 to 128 are inconsistent with the s SEQ
      therefore, CAN conjecture that the r SEQ is APERIODIC

...

----- PVAA s SEQ Search Stats -----
CA := 'conjecture aperiodic'
number of s SEQ cands    = 46213249
number of s SEQs found   = 1204
  core                   = 1180 (can CA = 636 ; cannot CA = 544)
  fwd-iter-driv = 24 (can CA = 7 ; cannot CA = 17)
  mod 3 BP (yes = 101 ; no = 1103)
number of s SEQs shown   = 636
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Figure 20.2:

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+++++++ 33. s SEQ Search, Bottom-Up, PVAA, Menu ++++++
      r SEQ data len: 65535

      -- s SEQ search params --
3310. range: p0r p1r p2r p3r = 100 200 360 480

      -- s SEQ aperiodicity analysis params --
3314. block length (beg, end)  = 2 128
3315. u SEQ length, max       = 8192

      -- s SEQ show params --
3320. cand failed: NO
3322. CORE & CAN CONJ APER: YES
3324. CORE & CANNOT CONJ APER: NO
3326. FWD-ITER-DRV & CAN CONJ APER: NO
3328. FWD-ITER-DRV & CANNOT CONJ APER: NO
3330. MOD 3 BIT PLANE ONLY: NO
3332. show s SEQ aperiodicity analysis result rationale
3334. show s SEQ search stats

      -- Misc controls --
3340. search entire space for s SEQs

3370. Search r SEQ for PVAA s SEQs
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Command? 3370

0000. 0 : [1 8 [338 132]] : FIRE! [len = 24]; CORE; CAN CONJ APERIODIC
      all repeating block lengths from 2 to 128 are inconsistent with the s SEQ
      therefore, CAN conjecture that the r SEQ is APERIODIC
0001. 1 : [31 38 [50 372]] : FIRE! [len = 26]; CORE; CAN CONJ APERIODIC
      all repeating block lengths from 2 to 128 are inconsistent with the s SEQ
      therefore, CAN conjecture that the r SEQ is APERIODIC
0002. 1 : [35 21 [304 143]] : FIRE! [len = 25]; CORE; CAN CONJ APERIODIC
      all repeating block lengths from 2 to 128 are inconsistent with the s SEQ
      therefore, CAN conjecture that the r SEQ is APERIODIC
0003. 0 : [49 14 [118 304]] : FIRE! [len = 26]; CORE; CAN CONJ APERIODIC
      all repeating block lengths from 2 to 128 are inconsistent with the s SEQ
      therefore, CAN conjecture that the r SEQ is APERIODIC
0004. 0 : [51 1 [36 433]] : FIRE! [len = 25]; CORE; CAN CONJ APERIODIC
      all repeating block lengths from 2 to 128 are inconsistent with the s SEQ
      therefore, CAN conjecture that the r SEQ is APERIODIC
0005. 1 : [77 13 [315 93]] : FIRE! [len = 26]; CORE; CAN CONJ APERIODIC
      all repeating block lengths from 2 to 128 are inconsistent with the s SEQ
      therefore, CAN conjecture that the r SEQ is APERIODIC
0006. 0 : [88 95 [150 197]] : FIRE! [len = 28]; CORE; CAN CONJ APERIODIC
      all repeating block lengths from 2 to 128 are inconsistent with the s SEQ
      therefore, CAN conjecture that the r SEQ is APERIODIC
0007. 0 : [89 41 [307 130]] : FIRE! [len = 25]; CORE; CAN CONJ APERIODIC
      all repeating block lengths from 2 to 128 are inconsistent with the s SEQ
      therefore, CAN conjecture that the r SEQ is APERIODIC

      ----- PVAA s SEQ Search Stats -----
CA := 'conjecture aperiodic'
number of s SEQ cands    = 441344449
number of s SEQs found   = 191
  core                   = 174 (can CA = 8 ; cannot CA = 166)
  fwd-iter-driv = 17 (can CA = 0 ; cannot CA = 17)
  mod 3 BP (yes = 39 ; no = 152)
number of s SEQs shown   = 8
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