

[illegible]

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300  250      - * --- ----- ,15.11, 16.39, 20.24, 24.94, 48.74
      300      - * --- ----- ,15.16, 16.16, 18.19, 23.33, 36.11
      350      - * --- ----- ,15.12, 16.62, 18.50, 22.69, 32.84
      400      - * --- ----- ,15.17, 16.32, 18.77, 22.17, 26.54
      450      - * --- ----- ,15.18, 15.85, 18.96, 25.28, 36.07
      500      * --- ----- ,15.14, 15.76, 18.04, 21.44, 35.98
305  550      -- * --- ----- ,15.25, 17.99, 21.89, 26.86, 40.87
      600      - * --- ----- ,15.14, 15.74, 18.52, 21.34, 27.89
      650      * --- ----- ,15.33, 16.00, 18.36, 21.37, 27.97
      700      - * --- ----- ,15.28, 16.25, 20.92, 24.10, 34.18
      750      * --- ----- ,15.05, 16.60, 19.61, 21.71, 33.32
310  800      - * --- ----- ,15.19, 15.92, 19.27, 23.43, 36.65
      850      - * --- ----- ,15.32, 16.70, 19.32, 23.57, 34.77
      900      - * --- ----- ,15.12, 16.50, 18.74, 22.79, 39.69
      950      - * --- ----- ,15.07, 16.50, 20.26, 25.21, 34.97
      1000     * --- ----- ,15.06, 15.25, 18.48, 21.33, 32.05
315  1050     - * --- ----- ,15.14, 16.74, 20.92, 29.44, 43.04
      1100     - * --- ----- ,15.06, 15.74, 17.10, 21.91, 33.19
      1150     - * --- ----- ,15.47, 17.38, 21.81, 26.56, 35.13

<f2
320  50      *-- , 0.08, 0.10, 0.12, 0.15, 0.19
      100     -* , 0.07, 0.10, 0.12, 0.16, 0.19
      150     -* , 0.07, 0.11, 0.13, 0.14, 0.19
      200     -* , 0.07, 0.08, 0.10, 0.12, 0.16
      250     *--- , 0.07, 0.07, 0.09, 0.11, 0.19
325  300     -* - , 0.08, 0.10, 0.11, 0.15, 0.19
      350     - * - , 0.06, 0.09, 0.13, 0.16, 0.19
      400     -*--- , 0.09, 0.09, 0.11, 0.15, 0.19
      450     *-- , 0.08, 0.10, 0.13, 0.14, 0.19
      500     *-- , 0.07, 0.09, 0.11, 0.14, 0.19
330  550     - *-- , 0.06, 0.10, 0.14, 0.17, 0.19
      600     - * , 0.09, 0.11, 0.15, 0.19, 0.19
      650     -*--- , 0.07, 0.10, 0.11, 0.14, 0.18
      700     - *-- , 0.07, 0.10, 0.13, 0.17, 0.19
      750     - *-- , 0.07, 0.11, 0.13, 0.15, 0.18
335  800     - * , 0.09, 0.12, 0.14, 0.16, 0.19
      850     -* - , 0.06, 0.10, 0.11, 0.15, 0.19
      900     -*-- , 0.10, 0.12, 0.14, 0.15, 0.18
      950     - *-- , 0.08, 0.10, 0.12, 0.16, 0.19
      1000    -- * , 0.04, 0.08, 0.12, 0.16, 0.20
340  1050    --*- , 0.07, 0.12, 0.13, 0.14, 0.18
      1100    -- * , 0.07, 0.11, 0.14, 0.17, 0.19
      1150    - * , 0.09, 0.13, 0.15, 0.17, 0.19

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345 :Normalized Sum of Objectives: 0.693
    :Solution [1.29599215555903149, 0.06858843175680196]

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350 :mws options
    :max_changes:1000 max_tries:20 prob:0.95 threshold:0.01
    :other options
      a12:0.56 era:50 keep:128 lives:3 repeats:1
355 # Runtime: 0.511 secs

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| rank , | name , | med , | iqr | |
|--------|--------------------|-------|------|----------------------|
| 1 , | strawberry , | 33 , | 3 (* | , 0.30 , |
| 0.31 , | 0.33 , 0.34 , 0.36 | | | |
| 2 , | pears , | 440 , | 50 (| - *-----) , 3.90 , |
| 4.40 , | 4.50 , 4.70 , 8.00 | | | |
| 5 2 , | orange , | 490 , | 50 (| *---) , 4.60 , |
| 4.60 , | 4.90 , 5.10 , 5.70 | | | |
| 2 , | apple , | 520 , | 50 (| *) , 4.70 , |
| 4.80 , | 5.20 , 5.30 , 5.60 | | | |

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|-----------------|--|----------|
| 5 | <pre> !!!! Schaffer ### sa ##### # 2014-09-23 01:41:11 # The range of f0 during 30 repeats is from 0.0 to 4.0 # The range of f1 during 30 repeats is from 0.0 to 16.0 ### mws ##### # 2014-09-23 01:41:25 # The range of f0 during 30 repeats is from 0.0 to 4.0 # The range of f1 during 30 repeats is from 0.0 to 16.0 !!!! Fonseca ### sa ##### # 2014-09-23 01:41:43 # The range of f0 during 30 repeats is from 0.0 to 1.0 # The range of f1 during 30 repeats is from 0.031 to 1.0 ### mws ##### # 2014-09-23 01:42:03 # The range of f0 during 30 repeats is from 0.0 to 1.0 # The range of f1 during 30 repeats is from 0.27 to 1.0 !!!! Kursawe ### sa ##### # 2014-09-23 01:42:23 # The range of f0 during 30 repeats is from -19.143 to -5.0 # The range of f1 during 30 repeats is from -10.22 to 21.0 ### mws ##### # 2014-09-23 01:42:48 # The range of f0 during 30 repeats is from -19.406 to -5.0 # The range of f1 during 30 repeats is from -6.823 to 21.0 !!!! ZDT1 ### sa ##### # 2014-09-23 01:43:26 # The range of f0 during 30 repeats is from -19.406 to 1.0 # The range of f1 during 30 repeats is from 2.066 to 6.0 ### mws ##### # 2014-09-23 01:44:10 # The range of f0 during 30 repeats is from -19.406 to 1.0 # The range of f1 during 30 repeats is from 0.602 to 3.0 !!!! ZDT3 ### sa ##### # 2014-09-23 01:44:54 # The range of f0 during 30 repeats is from -19.406 to 1.0 # The range of f1 during 30 repeats is from -5.163 to 5.0 </pre> | |

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|-----------------|---|----------|
| 75 | <pre> ### mws ##### # 2014-09-23 01:45:45 # The range of f0 during 30 repeats is from -19.406 to 1.0 # The range of f1 during 30 repeats is from -4.303 to 3.0 !!!! Viennet3 ### sa ##### # 2014-09-23 01:45:59 # The range of f0 during 30 repeats is from -19.406 to 8.0 # The range of f1 during 30 repeats is from 15.0 to 62.0 # The range of f1 during 30 repeats is from -0.1 to 0.0 ### mws ##### # 2014-09-23 01:46:14 # The range of f0 during 30 repeats is from -19.406 to 8.0 # The range of f1 during 30 repeats is from 15.001 to 56.0 # The range of f1 during 30 repeats is from -0.1 to 0.0 </pre> | |