```
% this is ../../crops/18r/planning/current_pedigrees/primary_dominants/les21-n1442-_b73ht1
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.959554) by compute_pedigrees/1.


% Horizontal pedigrees, generations at same indentation.  S: Mo20W; W: W23; M: M14.
% !!! => cross was not by Toni; references to image locations on right.


% B73 Ht1/Les21-N1442-

 06R0072:0000000 x 06R0072:0000000
      06R0072:0007201 x 06R0072:0007205
          10R205:S0001114 x 10R1118:0035008            10R1118:0035008: [10r/gimmel/16.8-[581]]
              11N205:S0031908 x 11N3197:0020808
              11N205:S0031909 x 11N3197:0020806
                  12R205:S0000704 x 12R3657:0032107       12R3657:0032107: [12r/aleph/9.8-[2099]]
                      12N205:S0035503 x 12N4049:0034212
                          14R205:S0000516 x 14R4309:0026303        14R4309:0026303: [14r/bet/23.8-[2347]]
                      12N205:S0035510 x 12N4049:0034204
                          15R205:S0000101 x 15R4183:0017105        15R4183:0017105: [15r/bet/11.8-[2636]]
                              16R205:S0001310 x 16R4534:0014307         16R4534:0014307: [16r/gimmel/28.7-[196]]
                              17R4534:0010401 x 17R4534:0010403         17R4534:0010403: [17r/gimmel/2.8-[307]]
                              17R4534:0010406 x 17R4534:0010403         17R4534:0010403: [17r/gimmel/2.8-[307]]
                              17R4534:0010407 x 17R4534:0010403         17R4534:0010403: [17r/gimmel/2.8-[307]]
                              17R4534:0010409 x 17R4534:0010403         17R4534:0010403: [17r/gimmel/2.8-[307]]
                              17R4534:0010410 x 17R4534:0010403         17R4534:0010403: [17r/gimmel/2.8-[307]]
                              17R505:B0002910 x 17R4534:0010403         17R4534:0010403: [17r/gimmel/2.8-[307]]
                              17R505:B0002912 x 17R4534:0010403         17R4534:0010403: [17r/gimmel/2.8-[307]]
                          15R205:S0000103 x 15R4183:0017105        15R4183:0017105: [15r/bet/11.8-[2636]]
                          15R205:S0000106 x 15R4183:0017111        15R4183:0017111: [15r/bet/11.8-[2665,2666]]
                          15R205:S0000108 x 15R4183:0017111        15R4183:0017111: [15r/bet/11.8-[2665,2666]]
                          15R205:S0000503 x 15R4183:0017109        15R4183:0017109: [15r/bet/11.8-[2640,2641]]
                          15R205:S0000504 x 15R4183:0017109        15R4183:0017109: [15r/bet/11.8-[2640,2641]]
              11N205:S0033003 x 11N3197:0020805
          10R205:S0007010 x 10R1118:0035011            10R1118:0035011: [10r/gimmel/16.8-[583]]
          10R205:S0010005 x 10R1118:0035013            10R1118:0035013: [10r/gimmel/16.8-[584]]
          10R305:W0005105 x 10R1118:0035008            10R1118:0035008: [10r/gimmel/16.8-[581]]
              11R305:W0049406 x 11R3198:0027307          11R3198:0027307: [11r/aleph/19.8-[1170]]
              11R305:W0049801 x 11R3198:0027304          11R3198:0027304: [11r/aleph/19.8-[1173]]
                  11N305:W0032302 x 11N3470:0020907
                      12R305:W0000802 x 12R3658:0032208         12R3658:0032208: [12r/aleph/9.8-[2105,2108,2115]]
                      12R305:W0000807 x 12R3658:0032202         12R3658:0032202: [12r/aleph/9.8-[2097]]
                          14R305:W0000706 x 14R4310:0026401        14R4310:0026401: [14r/bet/23.8-[2346]]
                              15R305:W0000701 x 15R4363:0017408         15R4363:0017408: [15r/bet/11.8-[2634]]
                                  17R4535:0010601 x 17R4535:0010604
                                  17R4535:0010602 x 17R4535:0010604
                                  17R4535:0010604 x 17R4535:0010604
                                  17R4535:0010605 x 17R4535:0010604
                                  17R4535:0010611 x 17R4535:0010610            17R4535:0010610: [17r/gimmel/2.8-[32
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4]]
                                17R4535:0010615 x 17R4535:0010610          17R4535:0010610: [17r/gimmel/2.8-[32
4]]
                                17R505:B0002909 x 17R4535:0010604
                        15R305:W0000702 x 15R4363:0017414
                        15R305:W0000703 x 15R4363:0017414
                        15R305:W0000704 x 15R4363:0017408          15R4363:0017408: [15r/bet/11.8-[2634]]
                14R305:W0000710 x 14R4310:0026401          14R4310:0026401: [14r/bet/23.8-[2346]]
                14R305:W0000711 x 14R4310:0026401          14R4310:0026401: [14r/bet/23.8-[2346]]
            12R305:W0002615 x 12R3658:0032201          12R3658:0032201: [12r/aleph/9.8-[2111]]
            11N305:W0034112 x 11N3470:0020907
            11N305:W0034705 x 11N3470:0020909
        11R305:W0049803 x 11R3198:0027302          11R3198:0027302: [11r/aleph/19.8-[1176]]
    10R305:W0010117 x 10R1118:0035011          10R1118:0035011: [10r/gimmel/16.8-[583]]
    10R305:W0011106 x 10R1118:0035013          10R1118:0035013: [10r/gimmel/16.8-[584]]
    10R405:M0000402 x 10R1118:0035008          10R1118:0035008: [10r/gimmel/16.8-[581]]
        11R405:M0050707 x 11R3199:0027410          11R3199:0027410: [11r/aleph/19.8-[1168]]
        11R405:M0050708 x 11R3199:0027412          11R3199:0027412: [11r/aleph/19.8-[1167]]
        11R405:M0051014 x 11R3199:0027405          11R3199:0027405: [11r/aleph/19.8-[1166]]
            11N405:M0037202 x 11N3471:0021006
            12R405:M0009608 x 12R3659:0032304          12R3659:0032304: [12r/aleph/9.8-[2101,2106]]
                12N405:M0038402 x 12N4051:0034602
                13R405:M0003608 x 13R4184:0030002
                    14R505:B0001905 x 14R4268:0014905          14R4268:0014905: [14r/bet/24.8-[2440
]]
                    14R505:B0002214 x 14R4268:0014905          14R4268:0014905: [14r/bet/24.8-[2440
]]
                    14R505:B0002215 x 14R4268:0014905          14R4268:0014905: [14r/bet/24.8-[2440
]]
                13R405:M0003611 x 13R4184:0030002
                12N405:M0039403 x 12N4051:0034603
            12R405:M0011712 x 12R3659:0032305          12R3659:0032305: [12r/aleph/9.8-[2107]]
    10R405:M0007211 x 10R1118:0035011          10R1118:0035011: [10r/gimmel/16.8-[583]]
    10R405:M0007512 x 10R1118:0035013          10R1118:0035013: [10r/gimmel/16.8-[584]]
06R0072:0007202 x 06R0072:0007206
06R0072:0007210 x 06R0072:0007207
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