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1C any 16+.
   1D any 0-7.
     1H any 20+
         1N 0-1/2-3, balanced or any 4441, (Over TM: 2N 1M444).
        2U 0-3, 5U, (Now: V/2N f). 2N 5CH or 5DS. 3U 5U+5(U+1). Both 0-3.
         1S any 4-7, gf.
            1N 20-23/24+, balanced or any 4441, (Over TM: 2N 1M444).
           2U 20+, 5U. 2N 5CH or 5DS. 3U 5U+5(U+1). Both 20+.
     1S 16-19, 5U.
         1N any 6-7, f2N.
            U 5U, 16-19. 2N 5CH or 5DS. 3U 5U+5(U+1). Both 16-17.
        2C 0-5, p/c. 2U 0-5, 6U.
     1N 16-17/18-19, balanced or any 4441, (Over TM: 2N 1M444).
     2U 16-19, 6U, (Now: All 6-7, natural). 2N 5CH or 5DS. 3U 5U+5(U+1). Both 18-19.
1C 1M 8+, 5M.
      1N 2M443 or 1M444.
         Tuki, (3N 8-9, -6M-4W. 2N nonexistent).
      U 5U-3M.
         With 3U: 2N then Tuki. Without 3U: Tuki.
      2M shows 3M, (Now: Tuki or (2N then Tuki)).
      2N shows 3M, (Now: Tuki).
      iU 5U+5(U+1), (Now: 4th suit shows support for explicit suit).
1C 1H 1S: 2N/2S show 3S, (Now: Tuki / 2N then Tuki). Without 3S: Tuki, (1N 8-9, -3S).
1C 1N/2C 8+, 5D/5C.
      2M shows 5M.
          With 3M: 2N then Tuki. Without 3M: Tuki.
      2N shows 3m, (Now: Tuki).
      2C/2D show 5C-3D/5D-3C.
           With 3C/3D: 2N then Tuki. Without 3C/3D: Tuki.
      2D/3C show 1m444 or 2m(443), (Now: Tuki, (3N 8-9, -4M. 2N nonexistent)).
      jU shows 5U+5(U+1), (Now: 4th suit shows support for explicit suit).
1C 2D 8+, balanced.
      2M shows 5M.
          With 3M: 2N then Tuki. Without 3M: Tuki.
      2N almost any -5M.
          Tuki.
      3C 16-17, 6C, (Now: 3D relay, (Then: 3M/3N 4M/-4M)).
      3D/3M 16-17, 6D-4M / 6D+4M.
1C 2D 2N ... 4m (by opener) asks for 3m and for aces.
  4C: 4D -3C, (Now: 4H aces? 4N to play). 4H/4S/4N/5C/5D are 0 / 1 / 2 / 2+1 / 2+2.
  4D: 4H -3D, (Now: 4S aces? 4N to play). 4S/4N/5C/5D/5H are 0 / 1 / 2 / 2+1 / 2+2.
1C 2M 8+, 5M+5U. (with 5H+5S bid 2H).
        2N shows 3M, (Now: Tuki).
                                     1C 2H 2S shows 3S, (now 2N shows 5H+5S, (Now: Tuki)).
        3m shows 3m-3M, up the line, (Now: 3M shows 5m).
1C 2N 8+, 55m, (Now: natural).
1C 3U 8+, 1U444, (Now:V determines trump, (Then: U 12+)).
1C 3S: 4H 16-19. 4N 20+, 4H, aces.
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1D 12-15, 5m-5M or 4m441.
   1M 4-15, 4M.
      1N 12-15, -3M.
          2C/2D 10+, 3C/3D-3C. (usually looking for 5C/5D opposite)
              2H/2S 12-13/14-15, 1M444. 2N/3m 12-13, 5w/5m. w 14-15, 5m.
              After 2C: 3D 14-15, 5D.
              After 2D: 3M/3W/3N 14-15, 5C+2M/5C+4W/5C, no C fit.
          2M/2W 10-11, -3m, 6M/5M+4W, no m fit.
          3C 12+, -3m, (Now: 3D 14-15). 3M 12+, 7M. 3W 12+, 55M.
1D 1H 1S (12-15, 4S-3H): 1N to play. 2S/3S 8-9/10-11, 4S. All others like after 1D 1M 1N.
1D
   1M
       2m 5m+3M.
          2M signoff. 3M 10-11, 5M. 4M 12-13, 5M.
          2W 10-11, 4W. 3m/2N 10-11, 3m/-3m.
          w any 12+, (Now: 3m 14-15, (Then: 3M/w invites slam in M/m)).
       2M 12-15, 4M, (Now: 2N Tuki).
       2W/2N 12-13/14-15, 55m.
       3m 14-15, 5m+4M. 3M 14-15, 4M441.
1D
   1N forcing.
      2m shows 5m or 4m441.
          P 0-9. 2N 10-11, 4w+3m. 3m 10-11, 4m.
          2H/2S 12+, gf, 4C/4D.
             2N/H/S 14-15, no/C/D fit. 3N/3C/3D 12-13, no/C/D fit.
1D
   2m 10+, 5m.
      2H/2S 12-13/14-15, 1m444. 2N 12-13, 5w-3m.
      3m/w 12-13/14-15, 3m, (Now: 4m aces).
1D 2C: 3D 14-15, 5D.
                         1D 2D: 3M/3N 14-15, 5C+4M/5C.
1D 2M 6-9, 6M.
1D 2N nonexistent.
1D 3m/4m/5m p/c.
1N 13-15, any 4432 or 4333.
   2C Stayman, 9+.
       2D 14-15. 2M 13, 4M.
                                 2N 13, -4M.
1N 2C 2M/2N 3m: gf, 5m, (Now: 3H/3S/3N show 3m/4m/2m).
1N 2C 2D 2M 3C 15, 3C, gf, (Now: 3D asks, (Then: 3H/3S/3N show 3D/4D/2D)).
1N 2C 2D 2M 3D 15, 3D-3C, (Now: 4C aces with 6C. 4D aces with 5D).
1N 2C ... 3M (by responder): 11+, 5M.
1N TM 2M: 2N 9-10, 5M, (Now: 3C 14, 2M. 3D 14, 3M).
                                                          3m 9/10, 5M+5m.
1N 2S transfer to C, (Now: 2N/3C 14-15/13, (Then: anything but 3C is gf)).
1N 2N transfer to D, (Now: 3C/3D 14-15/13, (Then: anything but 3D is gf)).
1N 3U 9, 6U.
1N 4C/4D transfer to H/S.
1N 4H/4S to play.
P 1N (12-15) 2C 2D (12 or 14-15), with 14-15 1N bidder must bid above 2N.
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1M 11-15, 5M.
    2M 6-8, 3M. 2N 13+, 3M, (Now: Tuki). jU 10-12, 5U+5(U+1).
1M
   1N forcing.
      2C relay.
          2D 8+, 2M.
             2M 11-15, (Now: 2N 10-12). With 5S+4H bid 2H.
                P 6-9.
                 2N 10-12, no W fit, nf.
                                              1H 1N 2C 2D 2H 2S shows 10-12, 4S.
                 3C 13+, 2M443, (Now: 3D 14-15).
             2N/3M 15, 5M/6M.
          2M 9-11, 3M, (Now: 2N Tuki).
          2W 6-9, 6W.
          2N/3N 10-12/13+, 1M444.
          3U 13+, 5U+5(U+1), (Now: 4th suit is 3U, 14-15. 3M is 3(U+1), 11-13).
          3M 12, 3M.
      2M/3M 11-13/14-15, 7M.
      2D/2W/2N(=C) 11-13 5M+5U. 3C/3D/3W 14-15, 5M+5U.
1H 1S 6+, 5S.
      1N 11-15, -6H-3S-5m.
         2m/2H/2S 10-12, 4m/2H/6S. 3C 13+, (Now: 3D 14-15).
      2m 11-15, 5H+5m, (Now: w 13+, (Then: 3m 14-15). 2H to play. 2S/2N/3m 10-12, natural).
      2H 11-15, 6H, (Now: 3C 13+, (Then: 3D 14-15)). 3H 14-15, 7H.
      2S 11-15, 3S, (Now: 2N Tuki).
1M 2m 10+, 5m.
      2M/2W/2N/3m 11-13, 6M-3m/4W-3m/-3m, maybe 5w/3m, (Now: 3w slam try).
      w art 14-15, (Now: 3m strong, asks for 3m, (Then: w shows 3m)). 3M 14-15, 7M.
1M 2C 3D 14-15, 5M+5D.
                             1M 2D 3N 14-15, 5M+5C.
                                                          1S 2m 3H 14-15, 5S+5H.
1S 2H 10+, 5H.
       2S/2N 11-13, 6S/-6S, (Now: 3C strong, (Then: 3D 13)). 3C any 14-15, (Now: 3D strong).
       3H 11-13, natural. 3D/3N 14-15, 5S+5D/5C. 3S 14-15, 7S.
For all 1M 2U: w art. jV 5M+5V. j3N (if needed) 5M+5w. All 14-15, gf.
2m 12-15, 6m-5U.
   2M 10+, 5M.
                            2m 2H 2S 12-13, 6m+4S.
       2N 12-13, 2M, (Now: 3m/3M 10-11. 3w 12+).
       3m 12-13, -2M.
       3w 14-15.
   3m/4m to play.
   jU shows 12+, 5U+5(U+1).
2C 2D 10+, artificial.
      2M/2N/3C 12-13, natural. 3M/3N 14-15, natural. 3D 14-15, 7C.
2D 3C 10+, artificial.
      3D 12-13. 3M/3N 14-15, natural. 4C 14-15, 7D.
2m 2N 10+, 5w.
      3m/3w 12-13, -3w/3w. 3M 14-15, 6m+4M. 3N 14-15, 6m-4M.
2M 5-10, 6M. 2N support, Tuki. U 5U, forcing. 3M to play.
2N 6-10, 55m.
3U 6-9, 7U, (Now: U forcing). 3U 3N to play.
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- 1C [not P]: P 0-7. X/R 8+, others.
- 1C [1m/2m]: m at least 44M, (Now: M shows 3M). M 5M-4W. X -44M. After M/X/N: U 5U.
- 1C [1N minors]: 2C/2D show 4H/4S. 2N 44M. 2M 5M-4W. 3C/3D 5H4S/5S4H. 3H 55M. X others. If both minors are shown differently, exactly the same bids apply, depending on what is possible.
- 1C [X majors]: 1H/1S 4C/4D. 1N 44m. 2m 5m. 2H/2S 5C4D/5D4C. 3C 55m. R others. 1D nonex.
- 1C [X points]: 1M/2m 5M/5m. R others. 1D nonexistent.
- 1C [1M/2M]: M/X 4W/-4W.
- 1C [U] jumpV 5V+5(U+1).
- 1C [3U] 4U and 1C [4U] 4N: any 55.
- 1C [P] 1D [U] X and 1C [U] P [not pass] X are 20+, like big X. All others 16-19, natural.
- 1C [not pass] any: 1C next bid is natural. Also jU or j2N with 55.
- 1D [1M/X]: 3m/4m/5m p/c. 1D [X] R rescue.
- 1D [1M]: 1N 6-9. 2N 10-11. 1D [1H] 2S 6-9, 6S. 1D [1M] 2M 10+, 33m.
- 1D [1H] X 8+, 4S. 1D [1S] X 8+, 4H or 8-9, 5H. 1D [P] 1M [U]: X is support.
- 1D [2U]: 2V forcing. 2N 10-11. 3V (no jump) 12+, 5V. X 10+, not promising 4M.
- 1D [P] 1M [U]: X shows 3M. m shows 5m, maybe 3M..
- 1M [X] R rescue. 1N forcing.
- 1M [U] U 10+, 3M.
- 1M [1N] X is like 1M [P] 1N.
- 1M [jU] X 10+, -3M.
- 1M [jU] 3M/4M/U 8-11/12-15/16+, 3M.
- 1M [P] 1N [U] P [P]: X 8+, 2M. 2M 9-11, 3M. 3M 12, 3M. 2W 6-9, 6W.
- 1M [2U]: 2V 10+, 5V. 3V (no jump) 13+, 5V. X 10+, not promising 4W.
- 1H [1S] 1N/2N 6-9/10-12, stopper.
- 1N [X]: P 0-8, -5U or any 9+. 2U 6-8, 5U. R 0-5, 5U.
  - Last R, by both, shows any 44xx, partner bids 3 card suits up the line.
- 1N [2U]: Lebensohl. 1N [2U] X: 8-10, balanced. 1N [3U] X: 11+, balanced.
- 1N [P] T2M [X]: P shows 2M. R/2M shows 3M, you/I play.
- 2m [2U]: 2V 10+, 5V. 3V (no jump) 13+, 5V.
- 2m [U] X 10+. 2m [X]: R 10+. 2U/3C 10+/12+5U/5C.
- Asking for aces in M/m: 3N/4m. 03, 14, (4N: KQ trumps -KQ, K/Q, KQ), 2-KQ, 2 + K/Q, 2+KQ.
- After 0/3 or 1/4 aces response and signoff at 5-level: With 3 or 4 aces, show KQ (-KQ, K/Q, KQ).
- After interference, unknown points, but known M/m fit: W/w invite slam. With m fit, 4m invites game.
- Asking bids only above 3N. When asking twice in the same suit:
- Step 1: no control. Then: xxx, doubleton, Q. Step 2: K or singleton. Then: singleton, K-Q, KQ.
- Step 3: A-K. Then: Axx, A doubleton, AQ. Step 4: AK or void. Then: void, AKx, AKQ.
- If they interfere with our asking: steps, with P, X (after they bid a suit) and P, R (after they double).
- Tuki: C max, (Now: D extra). D med. M min, 4M. W min, 4W. N min, -4M-4W. Tuki with known M fit: W nonexistent.
- Lebensohl, after they bid 2M:
  - 3W is 5W. 3M/3N = -stopper, +4W/-4W. 2N then 3M/3N = stopper, +4W/-4W. All gf.
  - [2H] X 2S to play. [2H] X 2N 3C 3S invites. [2H] X 3S gf.
  - [2S] X 2N 3C 3H to play. [2S] X 3H gf.
- Two suiter 5U+5(U+1), after 1C (1H (1S)) j3U, 1C [V] jU, 1C V jU, 1M 1N 2C 3U, 2m j3U. Fourth suit now shows U support. 4m is aces, stronger than fourth suit. 3M is stronger than 4M.

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Simple overcall:
[1U] 1V [P]: 1Y/2Y 8+/10+. 2V 6-9, 3V. 2U 10+, 3V. 1N/2N 10-12/13-15, natural.
[1U] 1V [not P] Y nf.
[1U] 2V (no jump) shows 10-15, 6V-4M or 13-15, 5V-4M.
Raptor:
[1m] 1N 10-15, 6w+4M or 13-15, 5w+4M.
        [P]: 2m asks for M. 2w/3w to play. 2M 5M, nf. 2N 10+, 3w.
[1M] 1N 10-15, 6m+4W or 13-15, 5m+4W.
        [P]: 2C p/c. 2D/2W/3W to play. 2M 10+, asks for m. 2N 10+, 4W.
Good 55 two-suiters over natural openings:
[1U] 2U shows highest + another.
        Known suit is to play. Lower of others is p/c. 2N strong, asks.
[1U] 2N shows two lowest.
They both bid:
[1U] P [V]: 2U/2V is 55others, weak/strong.
[1U] V [V]: X they took our bid.
After [weak 2M] X [P] and after [weak 2M] P [P] X: Lebensohl.
[weak 2M]: U 15+, 5U, (13+ if [2H] 2S).
[multi 2D]: X 13+, 5M, (Now: M pass or correct to W). 2M is like X over 2M, (Now: Lebensohl).
           2N 13+, 55m. 3m 15+, 5m.
[multi 2D] P [2M] is like [weak 2M], (Now: X, (then Lebensohl)).
Defence against their 1N:
[1N]: X 14+. U natural.
Responses to X:
[1U] X [P]:
  V 0-8, 4V.
        Y 5Y. U 3V. V 4V. N stopper. All 16+.
  jV 9-11, 4V.
        Y 16+, 5Y. U 13+, 3V, -stopper, (Now: V is still 4V, nf). V 13-14, 4V. N 13-14, stopper.
  2U Any 12+.
        Y 13+, 4Y.
  1N/2N/3N 8-10/11-12/13-15, -4M.
        Y 16+, 5Y. No stayman, no transfer.
[1U] X [V]: Y 6-8, 4Y. jY 9-11, 4Y. 2U/2V gf, stopper.
[1U] X [V] X is 44others. [1U] X [2U] X any 44.
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