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Chapter 1

1X

1.1 1C

```

1C -
1D*: 4+H
1H*: 4+S
1S*: inv+, 4+D; or 5+D
    - 1N : min, 2-D or 4333 or some 4332
    - 2C : min unbal
    - 2D : 3+D
1N : 6-10
2C*: GF, 4+C # inv if PH
    - 2D*: 12-14
    - 2M : 15+, nat, usually 3+M
    - 2N : 18-19
    - 3C : 15-17, 6+C
    - 3X*: spl
2D*: inv, 4+C # constr if PH
    - 2M : 15+, nat, usually 3+M
    - 2N : nat min
    - 3C : nat min
    - 3X*: spl
    - 3N : nat # 13-14/18-19
2M : 3-7, 6+M # not interested in 16-17, 2-M
2N*: 7-9, 5+C
3C*: 0-6, 5+C
3X : 7+X, about 6-6.5 tricks

```

1.1.1 Gazzilli after 1D*/1H*

```

1C - 1D*;
1H*: 4+S # highest priority unless 4+ fit
1S*: 16+; or (13)14-15, 6+C, GT # may be 16-17, 2425 [3H]
    - 1N*: 8+
        - 2C*: 6+C, GT
            - P : s/o
            - 2N : re-inv
            - 3C : re-inv
    - 2C : min
    - 2D : min
    - 2H : min
    - 2S*: min, 5+S # implies 6+H
    - 2N+: C fit ST
    - 3H : solid H ST
1N : min bal
2C : min unbal
    - 2D*: GF

```

```

- 2H : NF
- 2S*: GF, (3)4+C
- 2N : inv
- 3C : inv
- 3D*: spl
- 3H : inv, 6+H
- 3S*: spl
2D*: 14-16, 6+C, 4+D
2H : min, 4+H
2S*: inv+, 4+H, spl S
2N : 18-19, bal
3C : (15)16-17, 6+C, GT
3D*: inv+, 4+H, spl D
3H*: 18-19 bal, 4+H
3S*: 20-22, 4+H, some spl
- 3N*: ask
3N*: GF, 4+H, S void
4C*: GF, 4+H, 6+C
4D*: GF, 4+H, D void
4H*: 4+H, 20-21 bal # or good 18-19 bal

```

```

1C - 1H*;
1S*: 16+; or (13)14-15, 6+C, GT # may be 16-17, 4225 [3S]
- 1N*: 8+
- 2C*: 6+C, GT
- P : s/o
- 2N : re-inv
- 3C : re-inv
- 2C : min
- 2D : min
- 2H : min
- 2S : min
- 2N+: C fit ST
- 3S : solid S ST
1N : min bal
2C : min unbal
- 2D*: GF
- 2M : NF
- 2N : inv
- 3C : inv
- 3D*: spl
- 3H*: spl
- 3S : inv, 6+S
2D*: 14-16, 6+C, 4+D
2H*: 14-16, 6+C, 4+H
2S*: min, 4+S
2N : 18-19, bal
3C : (15)16-17, 6+C, GT

```

```
3D*: inv+, 4+S, spl D
3H*: inv+, 4+S, spl H
3S*: 4+S, 18-19 bal
3N*: 20-22, 4+S, some spl
    - 4C*: ask
4C*: GF, 4+S, 6+C
4D*: GF, 4+S, D void
4H*: GF, 4+S, H void
4S*: 4+S, 20-21 bal  # or good 18-19 bal
```

1.1.2 XYZW

```
1C - 1D*; 1H*- 1S*: see utils/XYZW/PLOB
1C - 1DH; 1N - ...: see utils/XYZW/2wPCB
1C - 1S ; 1N - ...: no 2-way
```

1.2 1D

```

1D - # 11-21, 4+D unbal; 12-14/18-19, 4+D bal
1M : 6+, 4+M
1N : 6-10, nat
2C : inv, 6+C [3C]; or GF, 5+C
  - 2D*: 12-14 # may be 12-14 with good C support; ready to play 3N
    - 2H*: GF, ask
      - 2S*: 5D unbal
      - 2N : min bal
      - 3C : 3+C unbal
      - 3D : 6+D unbal
      - 3N : max bal
    - 2S+: nat GF
    - 3C : nat inv
  - 2M*: 15+ unbal, may be stopper
  - 2N : 18-19 bal
  - 3C : GF, 14+, 4+C
  - 3D : solid D ST
  - 3M*: GF, 4+C, spl
2D*: some 6+M pre # shouldn't be interested in 18-19 bal
# resp. similar to 2D/V (multi) except 3D
  - P : s/o
  - 2H*: P/C
  - 2S*: P/C, may be interested in H
  - 2N*: ask #
    - 3C*: min
      - 3D*: ask
      - 3H*: P/C
    - 3D*: max, H
    - 3H*: max, S
  - 3C : nat, NF
  - 3D : nat, inv # then 3M = max and show suit
2H*: GF, 4+D # inv if PH
  - 2S*: 15+, catchall # GF if partner inv
  - 2N : 12-14 bal
  - 3C : nat
  - 3D : min unbal
  - 3M*: spl
  - 3N : 18-19 bal
2S*: inv, usually 4+D, not prefer to declare # constr if PH
  - 2N : nat min
  - 3C : nat, F1
  - 3D : nat min
  - 3M*: nat, could be stopper
  - 3N : nat
2N : nat inv

```

```
3C*: 8-10, 4+D  
3D*: (0)3-7, 4+D  
3M : 7+M, about 6 tricks, NF
```

1.2.1 XYZW

```
1D - 1H; 1S - 2C*: see utils/XYZW/PLOB  
1D - 1M; 1N - ...: see utils/XYZW/2wPCB
```


1.3 1H

```

1H - # 12-21, 5+H
1S*: F1; 4-6, 3+H [2H]; inv, 3H [3H/4H]; constr. 5+H [4H]; 5-11, 2-S;
    12-14, 4-S bal [3N]
1N*: 5+S, F1
2C : GF, nat
2D : GF, nat
2H : 7-9, 3+S
2S*: 12+, 4+H
2N*: 8-9/12-13, C/S spl
    - 3C*: ask
      - 3D*: C spl
      - 3H*: S spl, 8-9
      - 3S+: S spl, 12-13, cue-bid
3C*: 10-11, 4+H bal; 10-11, 4+H spl # the latter is GF
    - 3D*: ask, ST
      - 3H*: 10-11, 4+S bal
      - 3S+: spl # 3N* replaces the highest spl, i.e. D
    - 3H : light opening; or min, 5H(332)
3D*: 8-9/12-13, D spl
3H : pre
3S*: 10-12, S void
3N*: 12-14, 3H, bal w/o 6m, CoG
4X*: 10-12, X void
4H : pre

```

1.3.1 Gazzilli after 1S*/1N*

```

1H - 1S*: F1
1N*: 16+, any; or 12-15, 6+H
2m : 12-15, nat
2H*: 12-15, 4+S
2S*: 14-16, 6+H, 4+S
2N*: 14-16, 6+H, 4+m
    - 3C*: ask
      - 3D : 4+D
      - 3H*: 4+C
3m : 14-16, 5+m, NF
3H : 15-17, (s-)solid 6+H
3S : inv, 5+S, NF
3N*: GF, solid 7+H

```

```

1H - 1N*: 5+S
2C*: 16+, any; or 12-15, 6+H
2D : 12-15, nat

```

```

2H*: 12-15, 4+C
2S : 12-15, 3+S
2N*: 14-16, 6+H, 4+X
    - 3C*: ask
      - 3D : 4+D
      - 3H*: 4+C
      - 3S : 4+S
3m : 14-16, 5+m, NF
3H : 15-17, (s-)solid 6+H
3S : inv, 6+H, 3+S
3N*: GF, solid 7+H

```

1.3.2 1H - 2S* (same as 1S - 2N*)

1.3.3 1H - (X)

```

1H - (X);
P : weak or some unbal inv # then bid/X = inv
XX : 10+, s-bal, usually not concentrated # forcing pass on
1S : 5+S, F1 # system on, may be psyche but rare
1N*: 5+C, 6-10; or 4+C, GF
2C*: 5+D, 6-10; or 4+D, GF
2D*: 3+H, 4-6 or 10+
2H : 3+H, 7-9
2S+: system on

```

1.3.4 PH response

```

P - 1H; # 12-21, 5+H
1S : 4+S
    - 1N : min nat
      - 2X : nat s/o
      - 2N : inv
      - 3X : nat inv
    - 2C*: 16+, any; or 12-15, 6+H
      - 2D*: 8+
    - 2D : 12-15, nat
    - 2H*: 12-15, nat C
1N*: NF; 4-6, 3+H [2H]; 5-11, 2-S
    - 2C*: 16+, any; or 12-15, 6+H
      - 2D*: 8+
    - 2D : 12-15, nat
    - 2H*: 12-15, nat C
2C*: inv+, 3+H # Drury
    - 2D*: min bal

```

```
- 2H : light opening
- 2S+: same as after 1H - 2H
2D : inv+, nat
2H : 7-9, 3+H
2S : 4-7, 6+S
2N*: 8-10, 4+H, some spl
3m*: 8-10, (54+) H and m
3H : pre
3S*: 10-12, S void spl
3N*: 12-14, 3H, bal w/o 6m, CoG
4X*: 10-12, X void spl
4H : pre
```

1.4 1N

temporarily use BTUBWS

1.4.1 comp

```

1N - (2C = nat or some 6+X) - X* : Stayman # others system on
  - P/2D*: no 4+M
    -(2M)- X : optional (Hx+)
      - 3M : GF, t/o
      - bid: nat, inv, t/o
1N - (2D = nat) - X* : t/o
1N - (2M = nat) - X : pen
# otherwise UwU

```

1.5 1S

```

1S - # 12-21, 5+S
1N*: F1; 4-6, 3+S [2S]; inv, 3S [3S/4S]; constr. 5+S [4S]; 5-11, 2-S;
    12-14, 2-S bal [3N]
2C : GF, nat
2D : GF, nat
2H : GF, nat
2S : 7-9, 3+S
2N*: 12+, 4+S
3C*: 8-9/12-13, C/D spl
    - 3D*: ask
      - 3H*: C spl
      - 3S*: D spl, 8-9
      - 3N+: D spl, 12-13, cue-bid
3D*: 10-11, 4+S bal; 10-11, 4+S spl # the latter is GF
    - 3H*: ask, ST
      - 3S*: 10-11, 4+S bal
      - 3N+: spl # 3N* replaces the highest spl, i.e. H
    - 3S : light opening; or min, 5(332)
3H*: 8-9/12-13, H spl
3S : pre
3N*: 12-14, 3S, bal w/o 6m, CoG
4X*: 10-12, X void
4S : pre

```

1.5.1 Gazzilli after 1N*

```

1S - 1N*: F1
2C*: 16+, any; or 12-15, 6+S
2D : 12-15, nat
2H : 12-15, 4+H
2S : 12-15, 4+C
2N*: 14-16, 6+S, 4+X
    - 3C*: ask
      - 3X : 4+X
      - 3S*: 4+C
3X : 14-16, 5+X, NF
3S : 15-17, (s-)solid 6+S
3N*: GF, solid 7+S

```

```

1S - 1N*; 2C*: 16+, any; or 12-15, 6+S
2D*: 8+, any
    - 2S : 12-15, 6+S
    - other : nat and GF
2H : 5-7, 5+H

```

```

2S : 4-7
# bids below applies to both 2H and 2S
- 2N*: GF, some 6+S
  - 3C*: ask
    - 3X : 4+X
    - 3S*: 4+C
    - 3N : no 4-card suit
- 3X : GF, 5+X # except raise = inv
- 3S : inv, 6+S
2N+: 5-7, nat # 2N usually mms, 3H probably 7+H
3N : 12-14, bal
3S : inv, 3S
4S : nat

```

```

1S - 1N*; 2C*-2D*;
2H*: some (18)19+
  - 2S*: waiting
    - 2N+: same as below
  - 3X : nat good 6+X, ST
2S : 12-15, 6+S
2N : 16-18, some 4+X
  - 3C*: ask
    - 3D*: 5S, 3-H
    - 3H : 4H
    - 3S*: 6S4C
    - 3N*: 6S4D
  - 3D*: 5+H
    - 3H : 2+H
    - 3S : 6+S, 1-H
    - 3N : 5S, 1-H
  - 3H*: 6+C, ST
  - 3S*: 6+D, ST
  - 3N : s/o
3X : 16-18, 5+X
3S : 16-18, 6S(331) or (322) or 7+S
3N : 16-17, bal
  - 4m : 6+m, ST

```

```

# v2: 2N = 55
1S - 1N*; 2C*-2D*;
2H*: some (18)19+
  - 2S*: waiting
    - 2N+: same as below
  - 3X : nat good 6+X, ST
2S : 12-15, 6+S
2N : 16-18, some 5+X
  - 3C*: ask
    - 3D : 5+D

```

```

    - 3H : 5+H
    - 3S*: 5+C
3X : 16-18, 4+X
    - 3S : 2+S
3S : 16-18, 6S(331) or (322) or 7+S
3N : 16-17, bal
    - 4m : 6+m, ST

# maybe 1S - 1N*; 2C*-2D*; 2N = 10-11, some [54mm unbal] may want to ST
  against specific 16-18?
# TODO: check if compatable with 1H

1H - 1S*; 1N*-2C*;
2D*: some (18)19+
    - 2H*: waiting
      - 2S+: same as below
    - 3m : nat good 6+m, ST
2S : 16-18, 6H4S+ # may be 65
2N : some 4+X
    - 3C*: ask
      - 3D*: 5H, 4-S
      - 3H*: 5H 4S
      - 3S*: 6H4C
      - 3N*: 6H4D
3m : 16-18, 5+m
3H : 16-18, 6H(331) or (322) or 7+H
3S : 16-18, 7+H, spl S
3N : 16-17 bal
4m : 16-18, 7+H, spl m
4H : 16-18, 7+H

# v2: 2N = 55

1H - 1S*; 1N*-2C*;
2D*: some (18)19+
    - 2H*: waiting
      - 2S+: same as below
    - 3m : nat good 6+m, ST
2S : 16-18, 4+S
2N*: some 5+m # 65 usually bids 3m then 4m
    - 3C*: ask
      - 3D : 16-18, 5+D
      - 3H*: 16-18, 5+C
3m : 16-18, 4+m
    - 3H : 2H
3H : 16-18, 6H(331/322) or 7+H
3S : 16-18, 7+H, spl S
3N : 16-17 bal

```

```

4m : 16-18, 7+H, spl m
4H : 16-18, 7+H

1H - 1N* ; 2C*-2D* ;
2S* : some (18)19+
    - 2N* : waiting
      - 3C+ : same as below
2N* : some 5+m # 65 usually bids 3m then 4m
    - 3C* : ask
      - 3D* : 16-18, 5+D
      - 3H* : 16-18, 5+C
      - 3S* : 19-21, 5+C
      - 3N* : 19-21, 5+D
3m : 4+m
    - 3H : 2H
3H : 16-18, 6H(331/322) or 7+H
3S : 16-18, 3+S
3N : 16-17 bal
4m : 16-18, 7+H, spl m
4H : 16-18, 7+H
# 4S ?

```

```

P - 1H - 1S ; 2C*-2D* ;
2S* : some (18)19+
    - 2N* : waiting
      - 3C+ : same as below
2N* : some 5+m # 65 usually bids 3m then 4m
    - 3C* : ask
      - 3D* : 16-18, 5+D
      - 3H* : 16-18, 5+C
      - 3S* : 19-21, 5+C
      - 3N* : 19-21, 5+D
3m : 4+m
    - 3H : 2H
3H : 16-18, 6H(331/322) or 7+H
3S : 16-18, 4+S
3N : 16-17 bal
4m : 16-18, 7+H, spl m
4H : 16-18, 7+H
# 4S ?

```

```

P - 1H - 1N ; 2C*-2D* ;
2S* : some (18)19+
    - 2N* : waiting
      - 3C+ : same as below
2N* : some 5+m # 65 usually bids 3m then 4m
    - 3C* : ask

```



```

- 3D*: 16-18, 5+D
- 3H*: 16-18, 5+C
- 3S*: 19-21, 5+C
- 3N*: 19-21, 5+D
3m : 4+m
- 3H : 2H
3H : 16-18, 6H(331/322) or 7+H
3S : 16-18, 5+S
3N : 16-17 bal
4m : 16-18, 7+H, spl m
4H : 16-18, 7+H

```

1.5.2 1S - 2N*

```

1S - 2N*: 12+, 4+S
3X : X short # then 3N = FF
3S : 14+, w/o shortness # then 3N = FF
3N*: FF, 12-13, w/o shortness
(TBD) after 3S/3N, choose from spl or cue-bid
# 4X usually with controls in two other suits, otherwise bid 3X instead
4m : 5+m
- +1*: ask
- 4S : min
4H : 5+H, extra
4S*: 5+H, min

```

1.5.3 1S - (X)

```

1S - (X);
P : weak or some unbal inv # then bid/X = inv
XX : 10+, s-bal, usually not concentrated # forcing pass on
1N*: 5+C, 6-10; or 4+C, GF
2C*: 5+D, 6-10; or 4+D, GF
2D*: 5+H, 6-10; or 4+H, GF
2H*: 3+S, 4-6 or 10+
2S : 3+S, 7-9
2N+: system on

```

1.5.4 PH response

```

1S - # 12-21, 5+S
1N*: NF; 4-6, 3+S [2S]; 5-11, 2-S
- 2C*: 16+, any; or 12-15, 6+H

```

```
- 2D*: 8+
- 2D : 12-15, nat
- 2H : 12-15, 4+H
- 2S*: 12-15, nat C
2C*: inv+, 3+S # Drury
- 2D*: min bal
- 2H : nat
- 2S : light opening
- 2N+: same as after 1H - 2H
2D : inv+, nat
2H : inv+, 5+H
2S : 7-9, 3+S
2N*: 8-10, 4+S, some spl
3X*: 8-10, (54+) S and X
3S : pre
3N*: 12-14, 3H, bal w/o 6m, CoG
4X*: 10-12, X void spl
4H : pre
```

1.6 2C

```

2C*-
2D*: waiting
  - 2H* → 2S*- 2N : 20-21 bal
    - 3X : 22+, nat, 5+H
    - 3N : 22-24, 5H(332)
  - 2N*: 4-7, 5+S
  - 2S : 22+, 5+S
    - 3C*: cheaper minor, 0-3
  - 2N : 22-24 # 4-th seat: 24-25
  - 3C : nat, 5+C
    - 3D*: cheaper minor, 0-3
  - 3D : GF, 5+D
  - 3M : nat solid ST
  - 3N : 25-27 # 4-th seat: 26-27
  - 4m : nat solid ST
  - 4M : 8.5+ tricks
  - 5m : 8.5+ tricks
2M : 8+, 5+M
2N : 8-10
3m : 8+, (5)6+m
3M : 4-7, 6+M
3N : 11-12
4m : 8+, solid (6)7+m, ST
4M : 4-7, 7+M

```

1.6.1 puppet Stayman

```

2N -
3C*: ask 5M # could be s/o 3N
  - 3D*: some 4+M
    - 3M*: 4+oM
    - 3N : s/o
3D* → 3H*: 5+H
  - 3S : 4+S
  - 3S*: 3433
  - 3N+: 4H, cue # 3N = S
  - 4H : 3H
3H* → 3S*: 5+S
  - 3N*: 4333
  - 4C+: 4S, cue
  - 4S : 3S
3S*: 44+m, ST
  - 4m : 4+m
3N*: 54xx+

```

```
4C*: Gerber
4D*  $\rightarrow$  4H*: 6+H, MST
4H*  $\rightarrow$  4S*: 6+S, MST
4S*: good Quant
4N*: bad Quant
```
