



2017 CANADIAN NATIONAL TEAM CHAMPIONSHIP (CNTC) CONDITIONS OF CONTEST

I. SPONSORSHIP, SANCTION AND OPERATION

A. SPONSORSHIP

The Canadian Bridge Federation (CBF) is the sponsoring organization for this event. These conditions of contest have been determined, and will be administered, by the sponsoring organization.

B. SANCTION

The American Contract Bridge League (ACBL) is the sanctioning organization for this event. The sanctioning organization shall issue Masterpoint awards to participants.

The CNTC will be run under the overall control of a National Coordinator, appointed by and responsible to the Board of Directors of the CBF.

II. GENERAL ORGANIZATION OF COMPETITION

A. INTRODUCTION

1. The CNTC will be a flighted event.
 1. **CNTC-Flight A** is an open event with no masterpoint restrictions.
 2. **CNTC-Flight B** is restricted to players with fewer than 2,500 masterpoints as of September 1st, 2016.
 3. **CNTC-Flight C** is restricted to players with fewer than 1,000 masterpoints as of September 1st, 2016.
2. Competition will take place in two stages, under the supervision of the National Coordinator.
 - Level 1: The Club Qualifying Stage
 - Level 2: The National FinalEach of these levels of competition is described in detail in these Conditions.

B. THE CLUB QUALIFYING STAGE

1. A player plays at this stage to become qualified to be a member of a CNTC team which enters the National Final.
2. This first level of competition will consist of qualifying rounds held at sanctioned clubs across Canada. Qualifying games may be one or two session games. **In the case of one session club qualifying games, teams MUST consist of ONLY four players.**
3. Club qualifying games may be Stratified for CNTC-Flight A, CNTC-Flight B and CNTC-Flight C or clubs may hold separate club qualifying games for each Flight.
4. Each club can apply for a sanction to hold club qualifying games by contacting the National Coordinator.
5. All Qualifying Rounds in the CNTC must take place between September 1, 2016 and January 15, 2017. Under special circumstances the National Coordinator may grant a club an extension of this deadline.
6. The nature of the Qualifying Round at any particular site will be determined by the number of teams which enter at that site. Each session must be **at least 24 boards**. Each session of a two-session Swiss must have at least three matches.
7. Regardless of the scoring system used (VP's or win/loss), a team achieves a qualifying position if it wins at least one half of its matches (counting as a full win each match won by one or more IMPs and each tie as one half); or if it is in the top 50% of the teams entered, based on the scoring system used, even if the team does not meet the first requirement above. In a stratified game, these rules apply to each of the CNTC-Flight A field, the CNTC-Flight B field and the CNTC-Flight C field.
8. A player qualifies as an individual for the National Final Stage if he or she played at least the equivalent of one session for a team which achieved a qualifying position.
9. Upon completion of a club qualifying game, the club must by month end submit to the National Coordinator the completed report forms and **a fee of eight (\$8) dollars Canadian per team entered in a two-session**

qualifying game; or a fee of four (\$4) dollars Canadian per team entered in a one-session qualifying game. Note: fee for Master/NonMaster CNTC club game is four (\$4) dollars Canadian per team.

10. Prior to April 8, 2017 any player, whether residing in Canada or not, may upon payment of a \$100 fee for A, \$50 fee for B and a \$30 fee for C, receive club round qualification for any reason. This fee must be paid to the CBF Coordinator or his/her delegate and must be paid before a player is eligible to play in the event. The Qualifying Fee does **NOT** include CBF membership. However, if there are no sanctioned club games within a reasonable distance - the National Coordinator may, at their sole discretion, reduce the Qualifying Fee to \$25. All applications for consideration under this clause must be submitted to the CNTC National Coordinator in writing. **This reduced Qualifying Fee will only be considered for resident Canadians.**
11. Master/Non-Master CNTC Club Qualifying Game
 - a) Each game is a single session game held at the club level of play.
 - b) The Non-master is defined as any player having fewer than 200 masterpoints as of their most recent September point confirmation card or printout in the ACBL Bulletin.
 - c) Each team must have at least two non-masters on it. Each master (player with more than 200 masterpoints) must play with a non-master partner.
 - d) Players on teams finishing in the top 50% plus ties and players on teams winning at least half their matches receive CNTC club round qualification as individuals. This qualification is for the regular CNTC and for the Flight in which their masterpoint total places them. The Master/Non-Master CNTC is **NOT** a separate event with further stages.

C. NATIONAL FINAL

1. GENERAL CONDITIONS

- a) All teams wishing to take part in the CNTC-A, CNTC-B or CNTC-C National Final must submit their team entry to the National Coordinator no later than February 26, 2017. This official team entry must include the following:
 - Team Captain's name, ACBL number along with mailing address, phone number and email address
 - Name and ACBL numbers for all other team members
 - Non-refundable Round Robin entry fee.
- b) Late entries will be accepted **ONLY** to improve the movement. (i.e.: if an odd number of teams have entered by the deadline)
- c) Changes to a team's roster may be made for any reason up until April 15, 2017.
- d) Screens and bidding boxes will be used for the entire National Final.
- e) There are no seeding rights in the Round Robin stage of the competition. Should any question arise, it will be resolved by having each captain submit to the DIC the precise geographic lineups of his/her team.
- f) In the Knock-Out portion of the event, the team with the higher finishing position in the Round Robin will be the seeded team in each match. The seeded team will choose which segments (1st & 4th or 2nd & 3rd) they wish to exercise their rights. In the segments not chosen by the seeded team, the non-seeded team has rights.

In the CNTC-A Final which has 8 segments, the team with the higher Round Robin finish will select which segments on Day 1 (1st & 4th or 2nd & 3rd) they wish to choose. On Day 2 of the final, teams will just switch which segments they are the seeded team in. This means that if the team that ranked higher in the Round Robin chooses to be seeded in segments 2 & 3 on Day 1 - they will be the seeded team in segments 1 and 4 on Day 2.
- g) Fifth and sixth members of teams may kibitz only at tables at least two tables removed from each table of their own match.
- h) Pairs are expected to know their methods. Procedural penalties may be given to pairs who do not give substantially the same explanation on one side of the screen as on the other side. The penalties will be automatic if the opponents may have been damaged by the differing explanations. These penalties will **NOT** be appealable.
- i) There will be no penalty for an established revoke unless attention is first drawn to it before a member of the non-offending side has made a call on the next board played at the table (or as provided in Law 64). For the last board of a match, the round will be deemed to have ended when the non-offending side leaves the table, or their partners arrive at the table.
- j) Any team which fails to seat a complete team within ten minutes of the announced starting time of a match will be penalized three IMP's in the net score of that match and further 1-IMP for each two minutes

thereafter. If a full team is not seated within 20 minutes, the team will forfeit the match in question. Should a team be penalized for tardiness, no indemnity points are to be awarded to the non-offending team. Victory Points assigned to the non-offending team are computed as though there had been no penalty imposed on their opponents. The assignment of a penalty for tardiness does not preclude the application of a further adjustment in accordance with the CBF Slow Play Regulations.

- k) In the event that two teams in a match fail to seat themselves properly, and no result is possible for the match, both teams receive zero Victory Points for the match.
- l) In the event of a forfeited match, for overall ranking and/or qualification purposes, the loser is assigned Zero Victory Points and the winner is awarded the maximum of:
 - 60% of the available Victory Points for the match,
 - The average number of Victory Points won per match excluding the forfeit,
 - The average number of Victory Points won against the forfeiting team in all matches, excluding forfeited matches.
- m) An appeal of the Director's ruling must be made not later than 30 minutes after the conclusion of the session in which the ruling was made.
- n) There will be no carryover from the Round Robin to the KO portion of each event.
- o) Ties for qualification into the KO phase of each event will be broken using the Tie-Breaking Formula below.
- p) During the Round Robin stage all matches will be scored using the new WBF 20 point Victory Point Scale (See Appendix A).
- q) During the Round Robin stage every effort will be applied to try to limit the maximum number of boards per day to 54.
- r) The correction period expires at the start of the next segment of the Round Robin, the next session of the Knock-Out portion, 15 minutes before the start of the next stage of the Knock-Out on the same day, one hour before the start of the next stage of Knock-Out on a different day, or 60 minutes after completion of the final.

2. FLIGHT A

- a) The National Final will be held in Winnipeg, MB April 29-May 7, 2017. It will consist of two stages:
 - (i) **Stage I - Round Robin**

Stage I will be a complete Round Robin played over four days. If the number of entrants exceeds 24 teams, the field will be divided into two pools and each pool will play a complete round robin over four days.
 - (ii) **Stage II - Knock-Out**

The top eight teams (or top four teams in each pool if the field is divided into two pools) from Stage I of the event will advance to the knockout stage. which will consist of:

 - Quarter-Final - 72 board match (played over 1½ days)
 - Semi-Final - 72 board match (played over 1½ days)
 - Final - 112 board match (played over 2 days)

The team finishing first in the Round Robin will have first pick from the teams finishing 5th thru 8th for their Quarter-Final match. The team finishing second in the Round Robin will have second pick and the team finishing third will have third pick. If the field was originally divided into two pools - the top team in each pool will pick their opponent from the teams finishing 3rd and 4th in their own pool; the remaining two teams in the same pool will play each other.

For the Semi-Final matches, the team advancing to the Semi-Final Round with the highest standing in the Round Robin will be allowed to choose its opponent from the other three teams. If the field was originally divided into two pools - the two teams remaining from each pool will play each other.
- b) The entry fees per team are as follows:
 - Round Robin - \$720
 - Quarter Finals - \$270
 - Semi Finals - \$270
 - Finals - \$360

3. FLIGHT B

- a) The National Final will be held in Winnipeg, MB April 29 – May 2, 2017. It will consist of two stages:
- (i) **Stage I - Round Robin**
Stage I will be a complete Round Robin played over two days. If the number of entrants exceeds 18 teams, the field will be divided into two pools by random draw and each pool will play a complete round robin over two days.
 - (ii) **Stage II - KO Round**
The top four teams from Stage I of the event will advance to the knockout portion of the final. The team finishing first in the Round Robin may choose their opponent from the teams finishing 3rd & 4th.
If the event was run with two pools the top two teams from each pool will advance to the Semi-Finals. The team finishing 1st in each pool will play the team finishing 2nd in the other pool.
 - Semi-Final - 56 board match
 - Final - 56 board match
- b) The entry fees per team are as follows:
- Round Robin - \$360
 - Semi Finals - \$180
 - Finals - \$180

4. FLIGHT C

- a) The National Final will be held in Winnipeg, MB April 29 – May 2, 2017. It will consist of two stages:
- (i) **Stage I - Round Robin**
Stage I will be a complete Round Robin played over two days. If the number of entrants exceeds 16 teams, the field will be divided into two pools by random draw and each pool will play a complete round robin over two days.
 - (ii) **Stage II - KO Round**
The top four teams from Stage I of the event will advance to the knockout portion of the final. The team finishing first in the Round Robin may choose their opponent from the teams finishing 3rd & 4th.
If the event was run with two pools the top two teams from each pool will advance to the Semi-Finals. The team finishing 1st in each pool will play the team finishing 2nd in the other pool.
 - Semi-Final - 56 board match
 - Final - 56 board match
- b) The entry fees per team are as follows:
- Round Robin - \$360
 - Semi Finals - \$180
 - Finals - \$180

III. ELIGIBILITY AND ENTRY

1. To be eligible to play in the National Final of the CNTC, a player **must be a paid up member, in good standing, of the Canadian Bridge Federation.**
Additionally, a player must fulfil at least one of the following criteria:
 - a) be a Canadian Citizen on August 15, 2016; OR
 - b) be a landed immigrant resident in Canada on August 15, 2016**These restrictions do not apply to players used as temporary substitutes.**
2. A player may not play in the CNTC if they have already played in another NBO in an event that was for qualification to the same WBF event (same event and year) as the CNTC is qualifying a team for.
3. An eligible player may enter qualifying round games as often as he/she wishes, with the same or different teammates.

4. A team, which may consist of 4, 5 or 6 players, is eligible to play in the CNTC provided each and every member of that team has earned a qualifying position. A player is deemed to have become a member of a team if they are listed on the team's entry on April 15, 2017.
5. Every team that enters the CNTC must name a Team Captain, who shall represent the team in all official capacities.
6. In the National Final, each member must play at least 50% of the boards, including 50% of the Round Robin and also 50% of each of the quarter finals, semi-finals and finals. A player who does not play the required number of boards at the National Final will be deemed to have withdrawn from the team at the point where it becomes impossible for him or her to meet the playing requirements, and may not play beyond that point.

In the exceptional case of a medical problem occurring during play at the National Final, the DIC may give permission for a player to continue in the event even if he/she has been unable to play 50% of the boards in a given stage. Failure to play the appropriate number of boards in the National Final may result in disciplinary action.

IV. OTHER MATTERS

A. DIRECTORS

1. It is expected that the director in charge of any qualifying round game will hold at least the ACBL rank of "certified club director".
2. The director in charge of the National Final will be appointed by the National Coordinator.
3. A director in charge of some stage of competition may enter the CNTC as a player. He/she may not direct any stage of competition beyond the qualifying stage.

B. CONVENTIONS

1. Conventions in the ACBL General Convention Chart will be allowed at all stages of competition.
2. In the National Final Stage I and II for Flight A, ACBL Superchart will be permitted. In the National Final Stage I and II for Flights B & C, ACBL Midchart will be permitted. For all Flights, pairs using a Superchart or a Midchart convention must electronically submit a description of the convention to the National Coordinator by April 15, 2017 for posting online. A suggested defense must also be submitted if an approved defense is not included in the ACBL approved defenses database.
3. In the Knockout portion of the CNTC - Flight A National Final in Bermuda Bowl years, any system or convention **including HUM systems**, will be permitted if a typewritten description and suggested defences are submitted electronically to the CBF Coordinator by April 15, 2017. Any team playing any different systems during the Knock Out phase of the CNTC-A MUST announce this to the other team captains prior to the selection of opponents at the captain's meeting at the end of the Round Robin.
In non Bermuda Bowl years HUM systems will not be allowed during any stage of the National Final.
4. Definition of Highly Unusual Methods (HUM Systems): - allowed only in Bermuda Bowl years.
A system which exhibits one or more of the following features as a matter of partnership agreement is deemed to be a HUM system.
 - a) A pass in the opening position does not imply absence of the qualifications generally understood for an opening bid of one, and the player who passed will or may hold 12 high card points (or any greater number the partnership may settle on), in a hand that would be judged worthy of initial action at the one level in a natural system.
 - b) The partnership employs an opening bid at the one level which in principle is or may be weaker than "pass"; or which is a suit bid that is or may be made on a hand not meeting normal expectations for a natural opening bid of one - namely: may contain fewer than 8 HCP; or which is a bid of One No Trump which shows neither a balanced hand of at least 9 HCP, nor an unbalanced hand guaranteeing at least 17 HCP.
 - c) The partnership employs an opening bid at the level of one which has more than one potential meaning (e.g. Shows either length or shortness in the suit; or is two-suited, suit not specified). This rule does not apply to club systems where one club shows either a strong club opener or other naturally included or balanced one club openers.

- d) Except for bids of one club or one diamond in a strong club or strong diamond system, or as allowed in c) above, a one level opening suit bid is employed which does not relate to a single specified suit.

IF A TEAM INCLUDES ANY PAIR USING A HUM SYSTEM, IT WILL BE SUBJECT TO THE FOLLOWING REGULATIONS:

- i) The pair using a HUM system should be available at least 15 minutes before the scheduled beginning of matches, to supply any information and clarification that may be requested by the opponents
- ii) When a team which includes a pair using a HUM system (whether or not such pair will play) is opposing a team that has no such pair, the HUM team will always be the unseeded team. No special seating rights or line-up restrictions shall apply when two teams containing pairs using HUM systems (regardless of line-ups) oppose one another.
- iii) The team opposing a team which includes one or more pairs using a HUM system will submit three copies of their defences (if any) to the HUM system in writing at least thirty minutes before the scheduled line up time for the match; in preparing their defences, pairs not using HUM systems are allowed to change their opening bids. Pairs using HUM systems are not allowed to change their opening bids.
- iv) The pair using a HUM system must inform the opponents in writing (handwritten, 2 copies) about their defence against the defence, at the table, prior to the start of the session. In preparing their defence to the defence, the pair using the HUM system is not permitted to change any of the highly unusual aspects of its system.
- v) Notes on the defence against HUM systems (up to three pages), and on defence against the defence (not exceeding one page) are deemed to be part of the opponents' system, and may be used by both pairs at the table, during the period when the aperture of the screen is closed, and also, for responding to a question, when the screen is open.

5. Systems and conventions will not be permitted if the above conditions are not met.

C. TIE-BREAKING FORMULA

The following Tie-Breaking formula will only apply to ties at the end of the Round Robin phase.

1. A two-way tie is broken by:
 - a) All matches played will be scored on the basis of:
WIN - 1 point; TIE - ½ point; LOSS - 0 points.
 - b) The result of the match between the tied teams.
 - c) A playoff between the tied teams. The playoff must be five boards. If still tied after five boards, continuing sets of five boards will be played until the tie is broken.
2. A multi-tie is broken by:
 - a) All matches played will be scored on the basis of:
WIN - 1 point; TIE - ½ point; LOSS - 0 points.
 - b) Matches played between all tied teams will be scored on the basis of 2 a).
 - c) Victory Points of matches between all tied teams.

In the event a multi-tie is reduced in number by one of the foregoing steps, only the remaining teams should be considered in tie-breaking procedures for succeeding steps. In the event a multi-tie is reduced to two teams, the procedures for two team ties are applied.

The Tie-Breaking Formula will be used at the National Final Rounds solely for the purpose of deciding the last qualifying spot(s).

If a tie exists at the end of a Knockout match, it will be resolved by playing eight additional boards. Should a tie still exist, eight more boards will be played. If a tie still exists, one board "sudden death" matches will determine the winner. There are no seating rights for the additional play-off boards. Before the start of play of the additional boards, each captain will submit their line-up to the DIC without knowing the line-up of their opponents.

D. MASTERPOINT AWARDS

1. Masterpoint awards for the qualifying and all higher rounds of competition will be red point awards, on a scale at least commensurate with sectionally-rated events of the same size. The ACBL will determine the

exact awards for all events up to the National Final as sanctions are granted.

2. For the National Final masterpoints will be awarded by the ACBL in accordance with the latest ACBL Masterpoint Awards handbook.

E. WINNING TEAM

CNTC-A

Subject to meeting the eligibility requirements to represent Canada, the winner of the 2017 CNTC-A National Final will represent Canada in a playoff against Mexico and if successful will represent Canada in the Bermuda Bowl at the 2017 World Bridge Teams Championships to be held in Lyon, France August 12 - 26, 2017.

The Team representing Canada will receive a financial subsidy from the CBF in the amount of \$20,000. The subsidy amount includes the event entry fee, and coaching amount. The team will also be provided uniforms that conform to the WBF Dress Code.

CNTC-B

The winner of the 2017 CNTC-B National Final will receive a cash prize of \$2,000.

CNTC-C

The winner of the 2017 CNTC-C National Final will receive a cash prize of \$600.

F. PROCEDURAL AND LEGAL QUESTIONS

- 1) **BY PARTICIPATING IN THIS EVENT EACH PLAYER AGREES TO ABIDE BY THE CONDITIONS OF CONTEST, THE LAWS OF BRIDGE, THE REGULATIONS OF THE SANCTIONING BODY, WBF SCREEN REGULATIONS (Section 26 of the General Conditions of Contest) AND THE CBF POLICIES.**
- 2) Procedural and legal matters (other than cases which would normally be heard by a Bridge Appeal Committee at a tournament) are in the hands of Local Coordinators and the National Coordinator. Their decisions while the event is in progress are binding. Questions of residency, health or other extraordinary circumstances may be submitted to the CBF National Coordinator.
- 3) An appeal at any level below the National Final shall be handled as all club appeals are handled under ACBL regulations.
At the National Final, the appeal will go to the CBF Board of Directors, which may designate an on-site committee to act on its behalf.
- 4) Notwithstanding the foregoing, the CBF Board of Directors has final authority on any matters of appeal.

NATIONAL COORDINATOR

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Appendix A

WBF Continuous 20 VP Scale

This scale will be used in WBF Championships and should be used for major team Tournaments

IMPS	No of Boards									
	6	7	8	9	10	12	14	16	20	32
0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
1	10.50	10.47	10.44	10.41	10.39	10.36	10.33	10.31	10.28	10.22
2	10.99	10.92	10.86	10.81	10.77	10.71	10.66	10.61	10.55	10.44
3	11.46	11.35	11.27	11.20	11.14	11.05	10.97	10.91	10.82	10.65
4	11.90	11.77	11.67	11.58	11.50	11.38	11.28	11.20	11.08	10.86
5	12.33	12.18	12.05	11.94	11.85	11.70	11.58	11.48	11.34	11.07
6	12.75	12.57	12.42	12.29	12.18	12.01	11.87	11.76	11.59	11.27
7	13.15	12.94	12.77	12.63	12.51	12.31	12.16	12.03	11.83	11.47
8	13.53	13.31	13.12	12.96	12.83	12.61	12.44	12.29	12.07	11.67
9	13.90	13.65	13.45	13.28	13.14	12.90	12.71	12.55	12.30	11.86
10	14.25	13.99	13.78	13.59	13.43	13.18	12.97	12.80	12.53	12.05
11	14.59	14.32	14.09	13.89	13.72	13.45	13.23	13.04	12.76	12.24
12	14.92	14.63	14.39	14.18	14.00	13.71	13.48	13.28	12.98	12.42
13	15.24	14.93	14.68	14.46	14.28	13.97	13.72	13.52	13.20	12.60
14	15.54	15.22	14.96	14.74	14.54	14.22	13.96	13.75	13.41	12.78
15	15.83	15.50	15.23	15.00	14.80	14.46	14.19	13.97	13.61	12.95
16	16.11	15.78	15.50	15.26	15.05	14.70	14.42	14.18	13.81	13.12
17	16.38	16.04	15.75	15.50	15.29	14.93	14.64	14.39	14.01	13.29
18	16.64	16.29	16.00	15.74	15.52	15.15	14.85	14.60	14.20	13.46
19	16.89	16.53	16.23	15.97	15.75	15.37	15.06	14.80	14.39	13.62
20	17.12	16.77	16.46	16.20	15.97	15.58	15.26	15.00	14.58	13.78
21	17.35	16.99	16.68	16.42	16.18	15.79	15.46	15.19	14.76	13.94
22	17.58	17.21	16.90	16.63	16.39	15.99	15.66	15.38	14.94	14.09
23	17.79	17.42	17.11	16.83	16.59	16.18	15.85	15.56	15.11	14.24
24	17.99	17.62	17.31	17.03	16.78	16.37	16.03	15.74	15.28	14.39
25	18.19	17.82	17.50	17.22	16.97	16.55	16.21	15.92	15.45	14.54
26	18.38	18.01	17.69	17.41	17.16	16.73	16.38	16.09	15.61	14.68
27	18.56	18.19	17.87	17.59	17.34	16.91	16.55	16.26	15.77	14.82
28	18.73	18.36	18.04	17.76	17.51	17.08	16.72	16.42	15.93	14.96
29	18.90	18.53	18.21	17.93	17.68	17.24	16.88	16.58	16.08	15.10
30	19.06	18.69	18.37	18.09	17.84	17.40	17.04	16.73	16.23	15.24
31	19.22	18.85	18.53	18.25	18.00	17.56	17.19	16.88	16.38	15.37
32	19.37	19.00	18.68	18.40	18.15	17.71	17.34	17.03	16.52	15.50
33	19.51	19.15	18.83	18.55	18.30	17.86	17.49	17.17	16.66	15.63
34	19.65	19.29	18.97	18.69	18.44	18.00	17.63	17.31	16.80	15.76
35	19.78	19.43	19.11	18.83	18.58	18.14	17.77	17.45	16.93	15.88
36	19.91	19.56	19.24	18.97	18.71	18.28	17.91	17.59	17.06	16.00
37	20.00	19.68	19.37	19.10	18.84	18.41	18.04	17.72	17.19	16.12
38		19.80	19.50	19.22	18.97	18.54	18.17	17.85	17.32	16.24
39		19.92	19.62	19.34	19.10	18.66	18.29	17.97	17.44	16.35
40		20.00	19.74	19.46	19.22	18.78	18.41	18.09	17.56	16.46
41			19.85	19.58	19.33	18.90	18.53	18.21	17.68	16.57
42			19.95	19.69	19.44	19.02	18.65	18.33	17.79	16.68
43			20.00	19.80	19.55	19.13	18.76	18.44	17.90	16.79
44				19.90	19.66	19.24	18.87	18.55	18.01	16.90
45				20.00	19.76	19.34	18.98	18.66	18.12	17.01
46					19.86	19.44	19.08	18.77	18.23	17.11
47					19.96	19.54	19.18	18.87	18.33	17.21

