A.1		ry Remarks and Definitions ting						
71.1		It is advisable to check all ratings supplied by players. If no reliable rating is known for a player the arbiters should make an						
		estimation of it as accurately as possible before the start of the tournament						
A.2	1	rder						
11.2		For pairings purposes only, the players are ranked in order of, respectively						
		a. score						
		b. rating						
		c. FIDE-title (GM-IM- WGM-FM-WIM-CM-WFM-WCM-no title)						
		d. alphabetically (unless it has been previously stated that this criterion has been replaced by another one)						
		The order made before the first round (when all scores are obviously zero) is used to determine the pairing numbers; the						
A.3	highest one gets #1 etc							
A.3		ore brackets						
		Players with equal scores constitute a homogeneous score bracket. Players who remain unpaired after the pairing of a score bracket will be moved down to the next score bracket, which will therefore be heterogeneous. When pairing a heterogeneou						
		score bracket these players moved down are always paired first whenever possible, giving rise to a remainder score bracket						
		which is always treated as a homogeneous one.						
		A heterogeneous score bracket of which at least half of the players have come from a higher score bracket is also treated as						
		though it was homogeneous.						
A.4		pats						
		By pairing a heterogeneous score bracket, players with unequal scores will be paired. To ensure that this will not happen to						
		same players again in the next two rounds this is written down on the pairing card. The higher ranked player (called						
A.5	1	downfloater) receives a downfloat, the lower one (upfloater) an upfloat.						
A.J								
	Should the total number of players be (or become) odd, one player ends up unpaired. This player receives a bye: no opponent no colour, 1 point or half point (as stated in the tournament regulations).							
A.6								
71.0		To make the pairing, each score bracket will be divided into two subgroups, to be called S1 and S2, where S2 is equal or						
	a	bigger than S1 (for details see C.2 to C.4)						
		S1 players are tentatively paired with S2 players.						
	b	P0 is the maximum number of pairs that can be produced in each score bracket.						
		P0 is equal to the number of players divided by two and rounded downwards.						
	c	M0 is the number of players moved down from higher score groups (it may be zero)						
A.7	Co	lour differences and colour preferences						
		The colour difference of a player is the number of games played with white minus the number of games played with black b						
		this player.						
		After a round the colour preference can be determined for each player who has played at least one game.						
	a	An absolute colour preference occurs when a player's colour difference is greater than +1 or less than -1, or when a play						
		had the same colour in the two latest rounds he played. The preference is white when the colour difference is less than -1						
		when the last two games were played with black. The preference is black when the colour difference is greater than +1, of when the last two games were played with white.						
	b	A strong colour preference occurs when a player's colour difference is +1 or -1.						
	U	The strong colour preference is white when the colour difference is -1, black otherwise						
	c	A mild colour preference occurs when a player's colour difference is zero, the preference being to alternate the colour w						
	1							
		respect to the previous game.						

	d	While pairing an odd-numbered round players having a strong colour preference (players who have had an odd number of games before by any reason) shall be treated like players having an absolute colour preference as long as this does not result in either additional or higher ranked floaters or pairs in which the score difference of the paired players is not as small as possible.						
	e While pairing an even-numbered round players having a mild colour preference (players who have had an even number of games by any reason) shall be treated and counted as if they would have a mild colour preference of that kind (white resp. black) which reduces the number of pairs where both players have the same strong colour preference.							
	f	Players who did not play the first rounds have no colour preference (the preference of their opponents is granted)						
A.8								
	P	rovided there are P0 (see A.6) pairings possible in a score bracket:						
	a	the minimum number of pairings which must be made in the score bracket, not fulfilling all colour preferences, is represented by the symbol X1.						
	b	in even rounds the minimum number of pairings which must be made in the score bracket, not fulfilling all strong colour preferences (see A7.e), is represented by the symbol Z1						
		XI and, in even rounds, ZI can be calculated as follows: w in odd rounds: 0; in even rounds: number of players who had an odd number of unplayed games which have a mild colour preference for white (see A7.e) b in odd rounds: 0; in even rounds: number of players who had an odd number of unplayed games which have a mild colour preference for black (see A7.e) W (remaining) number of players having a colour preference white B (remaining) number of players having a colour preference black a number of players who have not played a round yet XI If B+b > W+w then XI = P0 - W - w - a, else XI = P0 - B - b - a. If XI < 0 then XI = 0 In even rounds: ZI If B > W then ZI = P0 - W - b - w - a else ZI = P0 - B - b - w - a.						
A.9	Tr	If $ZI < 0$ then $ZI = 0$ anspositions and exchanges						
11,7	a	In order to make a sound pairing it is often necessary to change the order in S2. The rules to make such a change, called a transposition, are in D1						
	b In a homogeneous score bracket it may be necessary to exchange players from S1 to S2. Rules for exchanges are founder D2. After each exchange both S1 and S2 are to be ordered according to A2.							
A.10								
	7	Top scorers are players who have a score of over 50% of the maximum possible score when pairing the last round. Backtracking means to undo the pairings of a higher score bracket to find another set of floaters to the given score bracket.						
A.11	_	ality of Pairings - Definition of X and P						

			to C14 describe an iteration algorithm to find the best possible pairings within a score bracket.
			the extreme requirement:
			ith P0 – X1 pairings fulfilling all colour preferences and meeting all requirements B1 to B6
			annot be managed the requirements are reduced step by step to find the best sub-optimal pairings.
			the pairings is defined in descending priority as
			ber of pairs
			eness of the scores of the players playing each other
			ber of pairs fulfilling the colour preference of both players (according to A7)
			g the current criteria for downfloaters
		- fulfilling	g the current criteria for upfloaters
		During the alg	gorithm two parameters represent the progress of the iteration:
		P is the number	er of pairings required at a special stage during the pairings algorithm. The first value of P is P0 or M0 and is
		decreasing.	
		X is the numb	er of pairings not fulfilling all colour preferences which is acceptable at a special stage during the pairings
			e first value of X is X1 (see A.8) and is increasing.
3		g Criteria	
		ute Criteria	and The second control of the second decomplete law.
ŀ		e may not be violate T	ed. If necessary players will be moved down to a lower score bracket.)
	B.1		
			ers shall not meet more than once.
			who has received a point or half point without playing, either through a bye or due to an opponent not appearing a downfloater (see A.4) and shall not receive a bye.
	B.2		
			ers with the same absolute colour preference (see A7.a) shall not meet (therefore no player's colour difference the >+2 or < -2 nor a player will receive the same colour three times in row)
	Note:	will becom	ne >+2 or < -2 nor a player will receive the same colour three times in row)
	Note:	will becom If it is helpful to ignored.	ne >+2 or < -2 nor a player will receive the same colour three times in row) reduce the number of floaters or the score of a floater when pairing top scorers B2 may be
	Note:	will becom If it is helpful to ignored. If a top scorer is	ne >+2 or < -2 nor a player will receive the same colour three times in row)
		will becom If it is helpful to ignored. If a top scorer is purposes.	ne >+2 or < -2 nor a player will receive the same colour three times in row) reduce the number of floaters or the score of a floater when pairing top scorers B2 may be
	Relat	will becom If it is helpful to ignored. If a top scorer is purposes. ve Criteria	ne >+2 or < -2 nor a player will receive the same colour three times in row) reduce the number of floaters or the score of a floater when pairing top scorers B2 may be a paired against a non-top scorer, the latter is considered a top scorer for colour allocation
	<i>Relat</i> (Thes	If it is helpful to ignored. If a top scorer is purposes. Ve Criteria e are in descending	ne >+2 or < -2 nor a player will receive the same colour three times in row) reduce the number of floaters or the score of a floater when pairing top scorers B2 may be
	<i>Relat</i> (Thes	If it is helpful to ignored. If a top scorer is purposes. Ve Criteria e are in descending	reduce the number of floaters or the score of a floater when pairing top scorers B2 may be spaired against a non-top scorer, the latter is considered a top scorer for colour allocation priority. They should be fulfilled as much as possible. To comply with these criteria, transpositions or
	<i>Relat</i> (Theseven	will becom If it is helpful to ignored. If a top scorer is purposes. ve Criteria e are in descending exchanges may be a	reduce the number of floaters or the score of a floater when pairing top scorers B2 may be spaired against a non-top scorer, the latter is considered a top scorer for colour allocation priority. They should be fulfilled as much as possible. To comply with these criteria, transpositions or
	Relat (Theseven B.3	will becom If it is helpful to ignored. If a top scorer is purposes. ve Criteria e are in descending exchanges may be a	reduce the number of floaters or the score of a floater when pairing top scorers B2 may be spaired against a non-top scorer, the latter is considered a top scorer for colour allocation priority. They should be fulfilled as much as possible. To comply with these criteria, transpositions or applied, but no player should be moved down to a lower score bracket).
	<i>Relat</i> (Theseven	will becom If it is helpful to ignored. If a top scorer is purposes. ve Criteria e are in descending exchanges may be a The different	reduce the number of floaters or the score of a floater when pairing top scorers B2 may be a paired against a non-top scorer, the latter is considered a top scorer for colour allocation priority. They should be fulfilled as much as possible. To comply with these criteria, transpositions or applied, but no player should be moved down to a lower score bracket). The scores of two players paired against each other should be as small as possible and ideally zero.
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	Relat (These even B.3 B.4 B.5 Pairit	will becom If it is helpful to ignored. If a top scorer is purposes. Ve Criteria e are in descending exchanges may be a recommend of the different of the di	reduce the number of floaters or the score of a floater when pairing top scorers B2 may be a paired against a non-top scorer, the latter is considered a top scorer for colour allocation priority. They should be fulfilled as much as possible. To comply with these criteria, transpositions or applied, but no player should be moved down to a lower score bracket). The scores of two players paired against each other should be as small as possible and ideally zero. The scores are possible receive their colour preference The scores are possible receive their colour preference
	Relat (These even B.3 B.4 B.5 B.6 Pairit	will becom If it is helpful to ignored. If a top scorer is purposes. Ve Criteria e are in descending exchanges may be a recommend of the different of the di	reduce the number of floaters or the score of a floater when pairing top scorers B2 may be a paired against a non-top scorer, the latter is considered a top scorer for colour allocation priority. They should be fulfilled as much as possible. To comply with these criteria, transpositions or applied, but no player should be moved down to a lower score bracket). The scores of two players paired against each other should be as small as possible and ideally zero. The scores are possible receive their colour preference The score identical float in two consecutive rounds. The score bracket apply the following procedures to all score brackets until an acceptable pairing is obtained as score bracket apply the following procedures to all score brackets until an acceptable pairing is obtained as two rounds before.
C)	Relat (These even B.3 B.4 B.5 B.6 Pairit	will becom If it is helpful to ignored. If a top scorer is purposes. Ve Criteria e are in descending exchanges may be a recommend of the different of the di	reduce the number of floaters or the score of a floater when pairing top scorers B2 may be a paired against a non-top scorer, the latter is considered a top scorer for colour allocation priority. They should be fulfilled as much as possible. To comply with these criteria, transpositions or applied, but no player should be moved down to a lower score bracket). The scores of two players paired against each other should be as small as possible and ideally zero. The scores as possible receive their colour preference The score an identical float in two consecutive rounds. The score bracket apply the following procedures to all score brackets until an acceptable pairing is obtained as (E) are used to determine which players will play with white.

B2, except when pairing top scorers) then: if this player was moved down from a higher score bracket apply C12. if this score bracket is the lowest one apply C13. in all other cases: move this player down to the next score bracket C.2 Determine P0, P1, M0, M1, X1, Z1 a Determine M0 according to A.6 Set P1 = P0 Determine M0 according to A.6 Set P1 = M0 Determine M0 according to A.6 Set P1 = M0 Determine M0 according to A.6 Set P1 = M0 Determine M0 according to A.6 Set M1 = M0 Determine M0 according to A.6 Set M1 = M0 Determine M0 according to A.6 Set M1 = M0 Determine M1 according to A.6 Set M1 = M0 Determine M1 according to A.6 Set M1 = M0 Determine M1 according to A.6 Set M1 = M0 In even rounds determine Z1 according to A8.b In even rounds determine Z1 according to A8.b In even rounds determine Z1 according to A8.b C.3 Set requirements P, B2, A7d, X, Z, B5/B6 a In a homogeneous score bracket set P = P1 In a heterogeneous score bracket set P = M1 b (top scores) reset B2 c (odd rounds) reset A7.d d Set X = X1 (even numbered rounds) Set Z = Z1 (bracket produces downfloaters) reset B5 for downfloaters f (bracket produces downfloaters) reset B5 for upontalers C.4 Establish sub-groups Put the highest Players in S1, all other players in S2. C.5 Order the players in S1 and S2 According to A2. C.6 Try to find the pairing Pair the highest player of S1 against the highest one of S2, the second highest one of S1 against the secon one of S2, etc. If now P pairings are obtained in compliance with the current requirements the pairing of the bracket is considered complete. in case of a homogeneous or remainder score bracket: remaining players are moved down to the next sbracket. With this score bracket restart at C1. in case of a homogeneous fremainder group. Apply a new transposition and the value							
### of this player was moved down from a higher score bracket apply C13. ### if this score bracket is the lowest one apply C13. ### in all other cases: move this player down to the next score bracket ### Determine P0, P1, M0, M1, X1, Z1 ### Determine P0 according to A.6. Set P1 = P0 ### Determine P0 according to A.6. Set P1 = P0 ### Determine P1 according to A.6. ### Determine P1 according to A.6. ### Determine P1 according to A.6. ### In a homegeneous score bracket set P = P1 ### In a heterogeneous score bracket set P = P1 ### In a heterogeneous score bracket set P = P1 ### In a heterogeneous score bracket set P = P1 ### In a heterogeneous score bracket set P = P1 ### In a heterogeneous score bracket set P = P1 ### In a heterogeneous score bracket set P = P1 ### In a heterogeneous score bracket set P = P1 ### In a heterogeneous score bracket set P = P1 ### In a heterogeneous score bracket set P = P1 ### In a heterogeneous score bracket P1 ### In a heterogeneous heterogeneous Score heterogeneous P1 ### In a heterogeneous heterogeneous heterogeneous heterogeneous P1 ### In a heterogeneous hetero		If the score bracket contains a player for whom no opponent can be found within this score bracket without violating B1 (o					
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C.2 Determine P0, P1, M0, M1, X1, Z1 a Determine M0 according to A.6.b. Set P1 = P0 Determine M0 according to A.6.c. Set M1= M0 b Determine M1 according to A.6.c. Set M1= M0 condition of M2 between M2 according to A.8.a In even rounds: determine Z1 according to A8.b C.3 Set requirements P, B2, A7d, X, Z, B5/B6 a In a homogeneous score bracket set P = P1 In a heterogeneous score bracket set P = P1 In a heterogeneous score bracket set P = M1 b (top scores) reset B2 c (dod rounds) reset A7.d d Set X = X1 (even numbered rounds) Set Z = Z1 e (bracket produces downfloaters) reset B5 for downfloaters f (bracket produces downfloaters) reset B6 for upfloaters f (bracket produces downfloaters) reset B6 for upfloaters h (heterogeneous score brackets) reset B6 for upfloaters h (heterogeneous score brackets) reset B6 for upfloaters Put the highest P players in S1, all other players in S2. C.5 Order the players in S1 and S2 According to A2. C.6 Try to find the pairing Pair the highest player of S1 against the highest one of S2, the second highest one of S1 against the secon one of S2, etc. If now P pairings are obtained in compliance with the current requirements the pairing of the bracket is considered complete. • in case of a homogeneous or remainder score bracket: remaining players are moved down to the next so bracket. With this score bracket restart at C1. • in case of a homogeneous or remainder group. C.7 Transposition Apply a new transposition of S2 according to D1 and restart at C6. C.8 Exchange a In case of a homogeneous (remainder) group: apply a new exchange between S1 and S2 according to D2 and restart at C5. C.9 Go back to the heterogeneous score bracket (only remainder) Terminate the pairing of the homogeneous remainder. Go back to the transposition marked at C6 (in the heterogen of the bracket) and restart from C.7 with a new transposition.							
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In even rounds: determine Z1 according to A8b							
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		Terminate the pairing of the homogeneous remainder. Go back to the transposition marked at C6 (in the heterogeneous pa					
C.10 Lowering requirements	T	owering requirements					

	b For heterogeneous score brackets: 1 If the pairing procedure has got to the rehomogeneous score brackets and restart	emainder at least once, reduce P1, X1 and, in even rounds, Z1 as in the from C.3.a 1, reduce M1 by 1 and restart from C.3.a					
	b For heterogeneous score brackets: 1 If the pairing procedure has got to the re-						
	b For heterogeneous score brackets:						
	b For heterogeneous score brackets:						
ı	In even rounds, as long as Z1 is greater than zero, decrease Z1 by 1. Restart from C.3.a						
	Otherwise, as long as X1 is greater than zero, of						
		oved down to the next one. Start with this score bracket at C1					
	As long as P1 is greater than zero, decrease P1						
	a For homogeneous score brackets:						
C.14	Decrease P1, X1, Z1, M1						
	an acceptable pairing is obtained. Such a merged score bracket shall be treated as a	a heterogeneous score bracket with the latest added score bracket as S1.					
		now another score bracket is the penultimate one C13 can be repeated until					
İ	pairing can be found which will allow a correct	pairing for the lowest score bracket) then the two lowest score brackets are					
1		score bracket. If in the penultimate score bracket P becomes zero (i.e. no					
		ogeneous, try to reduce the number of pairable moved-down players (M1), a enultimate score bracket. Try to find another pairing in the penultimate scor					
C.13	Lowest Score Bracket						
	Backtracking is disallowed when already backtra	acking from a lower score bracket					
		s pairing in the previous score bracket will be accepted.					
		ne previous score bracket. If in this previous score bracket a pairing can be e size and with the same scores will be moved down to the current one, and					
C.12	Backtrack to previous Score bracket						
	(see C.10.e)						
C.11	Deleted	*					
	Any criterion may be dropped only for the mini	imum number of pairs in the score bracket					
	g (top scorers) drop B2 and restart from C.3.c						
	If $Z = X$ and $X < P1$, increase X by 1, f (odd numbered rounds) drop A7.d and restart f						
	If $Z < X$, increase Z by 1 and restart fr						
	(even numbered rounds)						
	e (odd numbered rounds) If X < P1, increase X by 1 and restart	from C.3.e					
	d (bracket produces downfloaters) Drop B5 for downfloaters and restart from C.3.f						
	c (bracket produces downfloaters) Drop B6 for d	<u> </u>					
	b (heterogeneous score brackets) Drop B5 for up						
	a (heterogeneous score brackets) Drop B6 for up						

D	Trans	positio	on and exchange procedures
	D.1		nspositions
		D1.1	Homogeneous or remainder score brackets
			Example: S1 contains 5 players 1, 2, 3, 4, 5 (in this sequence)
			S2 contains 6 players 6, 7, 8, 9, 10, 11 (in this sequence)
			Transpositions within S2 should start with the lowest player, with descending priority
			0. 6-7-8-9-10-11
			1. $6-7-8-9-11-10$
			2. $6-7-8-10-9-11$
			3. $6-7-8-10-11-9$
			4. $6-7-8-11-9-10$
			5. $6-7-8-11-10-9$
			6. $6-7-9-8-10-11$
			7. $6-7-9-8-11-10$
			8. $6-7-9-10-8-11$
			9. 6-7-9-10-11-8
			10. $6-7-9-11-8-10$
			11. $6-7-9-11-10-8$ 12. $6-7-10-8-9-11$
			13. $6-7-10-8-11-9$ 14. $6-7-10-9-8-11$
			15. $6-7-10-9-11-8$
			16. 6 - 7 - 10 - 9 - 11 - 8 16. 6 - 7 - 10 - 11 - 8 - 9
			17. $6-7-10-11-9-8$
			18. $6-7-11-8-9-10$
			19. $6-7-11-8-10-9$
			6-7-11-9-8-10
			$21. \qquad 6-7-11-9-10-8$
			22: $6-7-11-10-8-9$
			23. $6-7-11-10-9-8$
			24. $6-8-7$
			To be continued. (at all 720figures)
			719. $11-10-9-8-7-6$
		D1.2	Heterogeneous score brackets
			The algorithm is in principle the same as for homogeneous score brackets (See D1.1), especially when $S1 = S2$,
			If S1 < S2 the algorithm must be adapted to the difference of players in S1 and S2.
			Example: S1 contains 2 players 1, 2, (in this sequence)
			S2 contains 6 players 3, 4, 5, 6, 7, 8 (in this sequence)
			32 contains 6 players 3, 4, 3, 6, 7, 8 (in this sequence)
			The transpositions within S2 are the same as in D1.1. But only the S1 first listed players of a transposition may be paired
			with S1. The other S2 – S1 players remain unpaired in this attempt.
	D.2		hange of players (homogeneous or remainder score bracket only)
			applying an exchange between S1 and S2 the difference between the numbers exchanged should be as small as possible.
			n differences of various options are equal take the one concerning the lowest player of S1. Then take the one concerning the
		highe	est player of S2.

General procedure:

- = Sort the groups of players of S1 which may be exchanged in decreasing lexicographic order as shown below in the examples (List of S1 exchanges)
- = Sort the groups of players of S2 which may be exchanged in increasing lexicographic order as shown below in the examples (List of S2 exchanges)
- = The difference of numbers of players concerned in an exchange is: S2) –

(Sum of numbers of players in

(Sum of numbers of players in S1).

This difference shall be as small as possible.

- = When differences of various options are equal:
 - Take at first the option top down from the list of S1 exchanges.
 - Take then the option top down from the list of S2 exchanges.
- = After each exchange both S1 and S2 should be ordered according to A2

Remark: Following this procedure it may occur that pairings already checked will appear again. These repetitions are harmless because they give no better pairings than at their first occurrence.

Example for the exchange of one player:

				S 1		
		5	4	3	2	1
	6	1	3	6	10	15
	7	2	5	9	14	20
S2	8	4	8	13	19	24
52	9	7	12	18	23	27
	10	11	17	22	26	29
	11	16	21	25	28	30

- 1. exchange player 5 from S1 with player 6 from S2 : difference 1
- 2. exchange player 5 from S1 with player 7 from S2 : difference 2
- 3. exchange player 4 from S1 with player 6 from S2 : difference 2

Etc.

Example for the exchange of two players:

			S1									
			5,3	5,2	5,1	4,3	4,2	4,1	3,2	3,1	2,1	
	6,7	1	3	7	14	8	16	28	29	45	65	
	6,8	2	6	13	24	15	27	43	44	64	85	
	6,9	4	11	22	37	25	41	60	62	83	104	
	6,10	9	20	35	53	39	58	79	81	102	120	
	6,11	17	32	50	71	55	76	96	99	117	132	
	7,8	5	12	23	38	26	42	61	63	84	105	
	7,9	10	21	36	54	40	59	80	82	103	121	
S2	7,10	18	33	51	72	56	77	97	100	118	133	
	7,11	30	48	69	90	74	94	113	115	130	141	
	8,9	19	34	52	73	57	78	98	101	119	134	
	8,10	31	49	70	91	75	95	114	116	131	142	
	8,11	46	67	88	108	92	111	126	128	139	146	
	9,10	47	68	89	109	93	112	127	129	140	147	
	9,11	66	87	107	123	110	125	137	138	145	149	
	10,11	86	106	122	135	124	136	143	144	148	150	

- 1. Exchange 5,4 from S1 with 6,7 from S2: difference = 4
- 2. Exchange 5,4 from S1 with 6,8 from S2: difference = 5
- 3. Exchange 5,3 from S1 with 6,7 from S2: difference = 5
- 4. Exchange 5,4 from S1 with 6,9 from S2: difference = 6
- 5. Exchange 5.4 from S1 with 7.8 from S2: difference = 6
- 6. Exchange 5,3 from S1 with 6,8 from S2: difference = 6

Etc.

Example for the exchange of three players:

List of S1 exchanges:

5,4,3 5,4,2 5,4,1 5,3,2 5,3,1 5,2,1 4,3,2 4,3,1 4,2,1 3,2,1

List of S2 exchanges:

6,7,8 6,7,9 6,7,10 6,7,11 6,8,9 6,8,10 6,8,11 6,9,10 6,9,11 6,10,11 7,8,9 7,8,10 7,8,11 7,9,10 7,9,11 7,10,11 8,9,10 8,9,11 8,10,11 9,10,11

- 1. Exchange 5,4,3 from S1 with 6,7,8 from S2: difference = 9
- 2. Exchange 5,4,3 from S1 with 6,7,9 from S2: difference = 10
- 3. Exchange 5,4,2 from S1 with 6,7,8 from S2: difference = 10
- 4. Exchange 5,4,3 from S1 with 6,7,10 from S2: difference = 11
- 5. Exchange 5,4,3 from S1 with 6,8,9 from S2: difference = 11
- 6. Exchange 5,4,2 from S1 with 6,7,9 from S2: difference = 11

Etc.

Exact procedure for exchange of N (N= 1,2,3,4...) players in a scoregroup of P players

	1							
	D.3	Now the procedure to find the exchanges in correct order: 1 DELTA = DIFFMIN 2 I=1 J=1 3 If DELTA = DIFFERENZ(I,J) then do this exchange, after that goto 4 4 if J < S2NLIST then J=J+1 goto 3 5 if I <s1nlist 2="" 2,="" 3="" 3,="" 4,="" 5;="" 5}="" 6="" 8="" 9="" a2="" according="" after="" and="" are="" be="" both="" delta="DIFFMAX" descending="" each="" elements="" example:="" exchange="" exhausted="" goto="" highest="" i="" i-2="" i-2-3="" i-2-3-4="" i-2-3-4-5="" i<="" in="" is="" j="1" m0="" m1="1" moved-down="" n="" ordered="" originally="" players="" players,="" possibilities="" priority="" priority:="" s1="" s2="" should="" start="" th="" the="" then="" to="" with="" {1,="" =""></s1nlist>						
		$\mathbf{M0} = 5$ $\begin{vmatrix} 1-2-3-4 & 1-2-3 & 1-2 & 1 \\ 1-2-3-5 & 1-2-4 & 1-3 & 2 \\ 1-2-4-5 & 1-2-5 & 1-4 & 3 \\ 1-3-4-5 & 1-3-4 & 1-5 & 4 \\ 2-3-4-5 & 1-3-5 & 2-3 & 5 \\ 1-4-5 & 2-4 & 2-5 \\ 2-3-5 & 3-4 & 2-5 \\ 3-4-5 & 3-5 & 3-4 \end{vmatrix}$						
Е	Color	Allocation rules						
15	1	For each pairing apply (with descending priority):						
	E.1	Grant both colour preferences						
	E.1 E.2	Grant the stronger colour preference						
	E.2 E.3	Alternate the colours to the most recent round in which they played with different colours						
	E.3 E.4	Grant the colour preference of the higher ranked player						
	E.4 E.5	In the first round all even numbered players in S1 will receive a colour different from all odd numbered players in S1						
F		remarks						
1		After a pairing is complete sort the pairing before making them public						
	F.1	The sorting criteria are (with descending priority)						
		The solung this are (min descending priority)						

	• the score of the higher player of the pairing involved;
	 the sum of the scores of both players of the pairing involved;
	 the rank according to A2 of the higher player of the pairing involved.
	the rank according to 712 of the higher player of the pairing involved.
F.2	Byes, and pairings not actually played, or lost by one of the players due to arriving late or not at all, will not be taken in account
	with respect to colour. Such a pairing is not considered to be illegal in future rounds.
F.3	A player who after round five has a colour history of BWW-B (i.e. no valid game in round 4) will be treated as -BWWB with respect to E.3 and A7. SO WB-WB will count as -WBWB and BWW-B-W as -BWWBW.
F.4	Because all players are in one homogeneous score bracket before the start of round one and are ordered according to A2 the
	highest player of S1 will play against the highest player of S2 and if the number of players is odd, the lowest ranked player will
	receive a bye.
F.5	Players who withdraw from the tournament will no longer be paired. Players known in advance not to play in a particular round are
	nor paired in that round and score 0.
F.6	A pairing officially made public shall not be changed unless it violates the absolute pairing criteria (B1 and B2)
F.7	If either
	 result was written down incorrectly, or
	a game was played with the wrong colours, or
	 a player's rating has to be corrected,
	then this will only affect pairings yet to be made.
	Whether it will affect a pairing already made public but not yet played should be decided by the arbiter.
Unless	the rules of the tournament state otherwise
F.8	Players who are absent during a round without notification to the arbiter will be considered to have withdrawn themselves.
F.9	Adjourned games are considered draws for pairing purposes only.