Universal Multiple-Octet Coded Character Set International Organization for Standardization Organisation internationale de normalisation Международная организация по стандартизации

Doc Type:Working Group DocumentTitle:Proposal to encode symbols for chess notationSource:Michael Everson and Garth WallaceStatus:Individual ContributionAction:For consideration by JTC1/SC2/WG2 and UTCDate:2017-01-24

In the multilingual *Enciklopedija šahovskih završnica* (1993), a table of widely-used chess notation symbols is given. These form a system of symbols used by the Serbian chess magazine *Informator* (officially *Chess Informant in English*, though many people just refer to it by its Serbian name). Informator also publish the *Encyclopedia of Chess Openings*, the *Encyclopedia of Chess Endings*, the *Encyclopedia of Chess Problems*, and other references. These symbols enable the publishing of expert annotation of high level games in a language-independent way. *Informator* has been an important publication since the 1960s—historically, it was a major means for the dissemination of chess expertise across the Iron Curtain. Most of the characters it uses are encoded in the UCS. This document offers mappings for the existing characters and proposes the addition of nine missing characters.

Symbols used in chess notation

811	2BF3	EQUALS SIGN WITH INFINITY BELOW
_		= with compensation for the material
Ъ	2BF4	INTERLOCKED WHITE SQUARES
		= pair of bishops
_		\rightarrow 29C9 🔁 two joined squares
	2BF5	INTERLOCKED WHITE AND BLACK SQUARES
_		= bishops of opposite colour
	2BF6	INTERLOCKED BLACK SQUARES
		= bishops of the same colour
00	2BF7	UNION SYMBOL
		= united pawns
		\rightarrow 26AE ∞ divorce symbol
00	2BF8	SEPARATION SYMBOL
		= separated pawns
0		\rightarrow 26AF oo unmarried partnership symbol
00	2BF9	DOUBLE MEDIUM SMALL WHITE CIRCLE
		= double pawns

♦ 2BFA MEDIUM SMALL WHITE CIRCLE WITH UP ARROW

- = passed pawn
- _ _ 2BFB REVERSED RIGHT ANGLE
 - = without (with is $221F \sqcup right angle)$

2. Existing characters

Code	Glyph	Chess usage	
2A72	±	white stands slightly better	
2A71	╤	black stands slightly better	
00B1	±	white has the upper hand	
2213	Ŧ	black has the upper hand	
002B 2212	+-	white has a decisive advantage	
2212 002B	-+	black has a decisive advantage	
003D	=	even	
221E	∞	unclear	
	811	with compensation for the material	MISSING
27F3	С	development advantage	
25CB	0	greater board room	
2192	\rightarrow	with attack	
2191	1	with initiative	
21C6	\Leftrightarrow	with counter-play	
2A00	\odot	zugzwang	size? 2299? ⊙ ;cf 25CB
0023	#(#)	mate	
0021	!	a very good move	
203C	!!	an excellent move	
003F	?	a mistake	
2047	??	a blunder	
2049	!?	a move deserving attention	not in STIX font?
2048	?!	a dubious move	not in STIX font?
25B3	\bigtriangleup	with the idea	
25A1		only move	
2313	Δ	better is	
21D4	\Leftrightarrow	file	
21D7	\mathcal{P}	diagonal	
229E	\blacksquare	centre	
27EB	»	king's side	
27EA	$\langle\!\langle$	queen's side	
00D7	×	weak point	
22A5	T	ending	
	Ð	pair of bishops	MISSING
		bishops of opposite colour	MISSING
	•	bishops of the same colour	MISSING
	00	united pawns	MISSING
	0••0	separated pawns	MISSING
	0	double pawns	MISSING
	\$	passed pawn	MISSING

003E	>	advantage in number of pawns
2295	\oplus	time
221F	L	with
		without
2016		etc
2212	_	see

3. Unicode Character Properties.

```
2BF3;EQUALS SIGN WITH INFINITY BELOW;So;0;ON;;;;N;;;;
2BF4;INTERLOCKED WHITE SQUARES;So;0;ON;;;;N;;;;
2BF5;INTERLOCKED WHITE AND BLACK SQUARES;So;0;ON;;;;N;;;;
2BF6;INTERLOCKED BLACK SQUARES;So;0;ON;;;;N;;;;
2BF7;UNION SYMBOL;So;0;ON;;;;N;;;;
2BF8;SEPARATION SYMBOL;So;0;ON;;;;N;;;;
2BF9;DOUBLE MEDIUM WHITE CIRCLE;So;0;ON;;;;N;;;;
2BF4;VERTICAL MALE SIGN;SO;0;ON;;;;N;;;;
2BF5;REVERSED RIGHT ANGLE;So;0;ON;;;;N;;;;
```

4. Bibliography.

Matanović, Aleksandar (ed.). 1993. Enciklopedija šahovskih završnica = Энциклопедия шахматных окончаний = Encyclopaedia of Chess Endings = Enzyklopädie der Schachendspeile = Encylopédie des finales d'echecs = Enciclopedia de Finales de Ajedrez = Enciclopedia dei Finali negli Scacchi = Encyklopedi över Slutspel i Schack = 収局大成. Nicosia: S. I. Chess Informant Ltd.

Figures

1993. 1. ②c5 套c6 **2.** d7! 桌d7 **3.** ③d3 桌g5 [3... 魚e3 4. ③c5 套d6 5. ③c4+-; 3... 鼻h6 4. ③e5 套d6 5. ④f7+-] **4.** ③e5 套d6 **5.** ③f7 套e6 **6.** ③g5 套f6 **7.** ④h7! 套g6 **8.** ④f8 套f5 **9.** ④d7+--

1994. 1... <u>2</u>c5 2. 2g2 2. 2c2 ≜b5-+] ≜c6 3. ≜d1 a4! [3... ⇔g4? 4. a4! \$c3 5. h5! \$h5 (5... \$g5 6. \$f2=) 6. ☆g3 &d5 7. &c2=] 4. h5 [4. ≜c2 a3 \triangle & d5-+] a3 5. g6 hg6 [5... h6?? 6. g7 ≜d5 7. ≜b3+-] 6. hg6 ≜d5! [6... 魚d4 7. 含f1! 急f3 8. 急f3 含f3 9. 含c1=1 7. 含f1 [7. g7 逸a2 8. 泡e1 愈d5! 9. 愈f3 逸g8 10. 创d3 会e3-+; 7. 含h3 点a2 $\triangle \& e6 - +; \Box 7. \& h2 \& a2 8. \& d2$ (△ ≜b3) ≜g8! 9. ≜b3 a2 10. ≜a2 盒a2-+] 盒a2 8. ④c1 盒c4 9. 盒e2 a2 10. 2c2 2b3 11. 2a1 2d5 12. 2d1 盒d4 13. 盒b3 盒b3 14. 约b3 [箚盒 5/a] 當e4 15. 當e2 當d5 16. 當d3 臭g7 17. 含c2 含c4 [18. 图a5 含b4 19. 图b3 0:1[Halifman] 雪a3⊙]

⑦c4 (6... এc4 7. এc4! ②c4 8. 含c6 h4! 9. b6 h3 10. \$g1 @d6 11. b7! @b7 12. 當b7 當f5 13. 當c6 當e4 14. f5! 當f3 15. f6 含g2 16. f7 含g1 17. f8響 h2 18. 響c5 當g2 19. 響c2 當g1 20. 響d1! 當g2 21. 響g4 h1響 22. 響e4+-) 7. 食e4 負e4 8. b6 \$b7 9. \$d4 \$e4 10. \$e5 \$b7 11. ≜c7 ≜e4 (11... h4 12. gh4 雲f5 13. h5! g3 14. \$\overline{2}e5 g2 15. \$\overline{2}d4+-\$\) 12. \$\overline{2}d8\$ يb7 13. يُهُhُ4 يُو4 14. f5! ప్రf5 15. 當d6+-] 5. gf4 剑g7 [5... h4 6. 真g4 當f6 7. 當c5 鼻g2 8. b6 初g3 9. ĝe1!+−] 6. ģc5 ĝg2 7. ĝd4 h4 8. 當b6 111... 桌f1 12. 當c6 當d8 13. b6 [Kasparov]

MISSING

1997. 1. f5 ≜c8 **2.** ±f3 ≜b5 **3.** ⇒ g3 ±f7 [3... cb3 4. ≜b3 ≜c4 5. ≜c4 dc4 6. ⊴e4+-] **4.** f6 ≜d7 **5.** bc4 dc4 **6.** d5 b3 **7.** c6 ≜e6 **8.** dc6 ⇔e6 [⊲] ≜ **8/g**] **9.** ≜d1! ≜c3 **10.** f7! ≜b4 [10... ⇔f7 11. ≜c2] **11.** ⇒e4 ⇔d5 **12.** ⇒g5 [12. ⇔e3+-] ⇔d4 **13.** ⇒e4 ⇔d3 **14.** ≜e2 ⇔d4 **15.** ⇒d2 b2 **16.** ≜c4 ≜d2

Figure 1. A typical page from the *Enciklopedija Šahovskih Završnica*, 1993. This is certainly plain text.

SISTEM ZNAKOVA • CHCTEMA 3HAKOB • CODE SYSTEM • ZEICHEN-ERKLÄ-RONG • SYSTEME DE SIGNES • SISTEMA DE SIGNOS • SPIEGAZIONE DEI SIGNI • TECKENFÖRKLARING • 解説記号 • نظام الرموز • TECKENFÖRKLARING • 解説記号

- 士 beli stoji nešto bolje у белых несколько лучше white stands slightly better Weiss steht etwas besser • les blancs sont un peu mieux • el blanco está algo mejor • il bianco sta un po' meglio • vit står något bättre • 白や、優勢 • • ومع الاسمار المسلم الموالي الم
- ± beli stoji bolje у белых лучше white has the upper hand Weiss steht besser les blancs sont mieux • el blanco está mejor • il bianco sta meglio • vit står bättre • 白 優勢 • וلاسیف سی وقع مسیطی
- 干 crni stoji bolje у черных лучше black has the upper hand Schwarz steht besser les noirs sont mieux el negro está mejor il nero sta meglio svart står bättre 黒 優勢 •
- —+ crni ima odlučujuću prednost у черных решающее преимущество black has a decisive advantage Schwarz hat entscheidenden Vorteil les noirs ont un avantage décisif el negro tiene una ventaja decisiva il nero é in vantaggio decisivo svart har avgörande fördel •
 黑 勝勢 الاسرد ينمنع مامملية حامية حامية
- = jednako равно even ausgeglichen égalité igual equivalente lika 形勢互角 حامو •
- ∞ neizvesno неизвестно unclear unklar incertain incierto incerto oklar 形勢不明 •
- комрепzacija za materijal компенсация за материал with compensation for the material mit Kompensation für den materiellen Nachteil • avec compensation pour le matériel • con compensación por el material • con compenso per il vantaggio materiale avversario • med kompensation för materialet • 駒損不利なし • ニュニュー • ニュニュー
- C razvojna prednost преимущество в развитии development advantage Entwicklungsvorsprung • avantage de développement • ventaja de desarrollo • vantaggio di sviluppo • utvecklingsförsprång • 展開よ • المصلحة المنظور • المالية المنظور • المالية المنظور • المالية المنظور • المالية المنظور • الم
- prostorna prednost преимущество в пространстве greater board room beherrscht mehr Raum • avantage d'espace • ventaja de espacio • maggior vantaggio spaziale • terrängfördel • 視 様 大 • محلب مکاب علی الرمعه • ۲
- → sa napadom c атакой with attack mit Angriff avec attaque con ataque con attacco med angrepp 攻 勢 محمد الهجسيوال
- sa inicijativom с инициативой with initiative mit Initiative avec initiative con iniciative
 con iniziativa med initiativ 主導権あり
- iznudica цугцвант zugzwang Zugzwang zugzwang zugzwang dragtvång •
 ツーク、ツワング とうしょう。
- 🗰 mat mat mat mat mat mat mat matt matta •

Figure 2a. From Enciklopedija Šahovskih Završnica, 1993.

- ! vrlo dobar potez очень хороший ход a very good move ein sehr guter Zug très bon coup • muy buena jugada • buona mossa • ett bra drag • 好 手 • بعلة حدة حدا •
- !! odličan potez отличный ход an excellent move ein ausgezeichneter Zug excellent coup excelente jugada mossa ottima ett utmärkt drag إلى علة معتارة علة معتارة الم
- ? slab potez слабый ход a mistake cin schwacher Zug coup faible mala jugada mossa debole ett dåligt drag 疑 問 手 أستنه حطا صنا الم
- ?? gruba greška грубая ошибка a blunder ein grober Fehler erreur grave grave error grave error ett grovt fel (عليه مسته حسدا 手 العليه مسته حسدا •
- ?? potez zaslužuje pažnju ход заслуживающий внимания a move deserving attention ein beachtenswerter Zug • coup qui mérite l'attention • jugada que merece atención • mossa degna di considerazione • ett drag som förtjänar uppmärksamhet • 注 日 手 • معلية مستوى الاستساء
- ?! sumnjiv potez сомнительный ход a dubious move ein Zug von zweifelhaftem Wert coup de valeur douteuse • jugada de dudoso valor • mossa dubbia • ett tvivelaktigt drag • 鬼 手 • منكوك هي مسيحتها
- الله sa idejom с идеей with the idea mit der Idee avec l'idée con idea con l'idea med idén سموز بسموز بالالالالية عند المالية المالي
- jedini potez единственный ход only move der einzig spielbare Zug le seul coup unica jugada • unica mossa • enda draget • 絶 対 手 • النفلة الوحده • التفلة الوحده
- bolje je лучше better is besser ist meilleur est es mejor è meglio bättre är •
 正者は• الاسما مو

会 幽 莒 食 幻

👄 🛛 linija • линия • file • Linie • colonne • linea • linea • linje • 橫 列 • الرنال

- // dijagonala диагональ diagonal Diagonale diagonal d
- 田 centar центр centre Zentrum centre centro centro centrum 中 央 المركر •
- kraljevo krilo королевский флант king's side Königsflügel aile-roi flanco de rey lato di R • kungsflygeln • + > را الله • مسلح الملحك
- ل طamino krilo ферзевый фланг queen's side Damenflügel aile-dame flanco de dama lato di D • damflygeln • १४२४ • حتاج الملكة
- X slaba tačka слабый пункт weak point schwacher Punkt point faible punto débil punto
- ل završnica эндшпиль ending Endspiel finale final finale slutspel العربية السهائية العربيانية
- ロ lovački par два слона pair of bishops Läuferpaar paire de fous pareja de alfiles la coppia degli alfieri löparpar 双ビショップ الغملان
- raznobojni lovci разноцветные слоны bishops of opposite color ungleichfarbige Läufer fous de couleurs opposées • alfiles de distinto color • alfieri di colore diverso • löpare med olika färg • 異色ビショップ • فبلان من لوتين محتليين
- istobojni lovci одноцветные слоны bishops of the same color gleichfarbige Läufer fous de même couleur alfiles del mismo color alfieri di colore uguale löpare med samma färg 回色 ショップ فيلان من تعت اللون アクロ
- оо vezani pešaci связанные пенки united pawns verbundene Bauern pions liés peones unidos • pedoni uniti • garderade bönder • تسادى مرتبطة • معادى مرتبطة •
- o-o razdvojeni pešaci изолированные нешки separated pawns isolierte Bauern pions isolés peones aislados pedoni isolati isolerade bönder 健ポーン سبادی منعماء
- 8 udvojeni pešaci сдвоенные пешки double pawns Doppelbauern pions doublés peones dobles • pedoni doppi • dubbel bönder • 重ポーン • بسادق مردوحة •

Figure 2b. From Enciklopedija Šahovskih Završnica, 1993.

- د slobodan pešak проходная пешка passed pawn Freibauer pion passé peón pasado pedone libero fribonde جريد جر جري جري الم
- > prednost u broju pešaka преимущество в числе пешек advantage in number of pawns im Bauernmehrbesitz • avantage quantitatif en pions • ventaja en el número de peones • vantaggio quantitativo dei pedoni • fördel i antal bönder • ポーンネック後期 • الأسلية • الأسل
- ① vreme время time Zeit temps tiempo tempo tid 時間切迫 الوقت •

含幽耳食の

- 7/113, 48/241... Šahovski informator Шахматный информатор Chess Informant Schach--informator • Informateur d'échecs • Informador ajedrecistico • Informatore scacchistico • Schack-informator • チェス新報巻/局 • دلسل الشطرنج •
- A 30, B 17, C 92... Enciklopedija šahovskih otvaranja Энциклопедия шахматных дебютов Encyclopedia of Chess Openings Enzyklopädie der Schacheröffnungen Encyclopedie des ouvertures d'échecs Enciclopedia de aperturas de ajedrez Enciclopedia delle aperture negli scacchi Encyklopedi över spelöppningar i schack 布局大成 •
- ▲ 3/c3, Ξ 3/d... Enciklopedija šahovskih završnica Энциклопедия шахматных окончаний Encyclopaedia of Chess Endings • Enzyklopädie der Schachendspicle • Encyclopédie des finales d'échecs • Enciclopedia de finales de ajedrez • Enciclopedia dei finali negli scacchi • Encyklopedi över slutspel i schack • 収局大成 • 収局大成 •
- N novost новинка a novelty eine Neuerung nouveauté novedad un'innovazione nyhet 新 手 • حدید میکر

e m I f 幻

- (ch) šampionat чемпионат championship Meisterschaft championnat campeonato campionato • mästerskap • 世界チャンピオン戦 • السطولة •
- (izt) međuzonski turnir мсжзональный турнир interzonal tournament Interzonenturnier tournoi interzonal • torneo interzonal • torneo interzonal • interzonturnering • インター・ゾーン • دورة جارايات للشناطي
- (ct) turnir kandidata турнир претендентов candidates' tournament Kandidatenturnier tournoi des candidats • torneo de candidatos • torneo dei candidati • kandidatturnering • بدورهٔ ساراسات للمرتحسين
- (m) meč матч match Wettkampf match encuentro match match マッチ ماراه
- (ol) olimpijada олимпиада olympiad Olympiade olympiada olimpiada olimpiada olympiad •
 א ווע באיידי ב י ל י ל י ל י ל י
- COTT. dopisna partija партия по переписке correspondence game Fernpartie partie par correspondance • partida por correspondencia • partita per corrispondenza • korrespondensparti • 通信報 • لعبه أو مبياراة بالمراسلة
- RR primedba redakcije примечание редакции editorial comment Anmerkung der Redaktion remarque de la rédaction nota de la redacción nota redazionale redaktionens anmärkning 編集部評 تعلين هيئه التحرير
- R razni potezi разные ходы various moves verschiedene Züge différents coups diferentes movidas • mosse varie • olika drag • 変化 手 • مناوعه • مناوع • مناوعه • مناوع • منا
- L sa c with mit avec con con med 以下の手順となるもの とー
- → bez 6e3 without ohne sans sin senza utan 以下の手順とならないもの →
- itd. и.т.д. etc usw. etc. etc ecc o.s.v. тр. 4 - Ш
- vidi смотри see siehe voir ved vedi se 🐲 🚊 الطر

Figure 2c. From Enciklopedija Šahovskih Završnica, 1993.

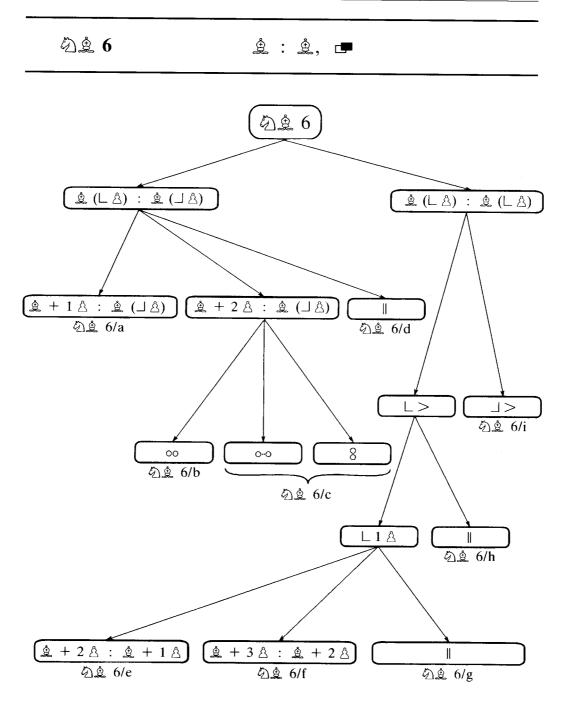
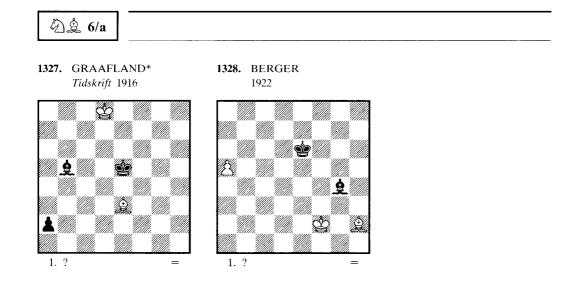


Figure 3. From Enciklopedija Šahovskih Završnica, 1993.

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②臭 6/a	🎍 + 1 Å : 🎍 (ᅴ Å), 📼	1327-1328	365
②臭 6/b	🎍 + 2 ∞ Å : 🎍 (ᅴ Å), 💷	1329-1337	366
②逸 6/c	೨ + 2 ∞∞ ೭ : ೨ (၂೭), ₪	1338-1361	368
	೨ + 2 8 Å : ೨ (⊣ Å), 💶		
②逸 6/d	🎍 + 3, 4, 5 ‖ Å : 🎍 (ᅴ Å), 💶	1362-1367	373
创逸 6/e	🎍 + 2 Å : 🎍 + 1 Å, 💶	1368 - 1376	374
②皇 6/f	<u>ề</u> + 3 Å : <u>ề</u> + 2Å, =	1377-1388	376
②皇 6/g	∥ 🎍 (L Å) : 🌲 (L Å), 📼, L > 1 Å	1389 - 1442	379
 ④ 요 6/h 	🎍 (L Å) : 🎍 (L Å), ☞, L > 2, 3, 4 Å	1443-1481	393
②皇 6/i	🎍 (L Å) : 🎍 (L Å), 🖝, J >	1482-1499	403



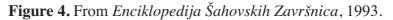
1327. 1. ≜h6 ☆f6 **2.** ≜d2 a1 ≝ **3.** ≜c3=

 1328.
 1. a6 ģf5
 2. ģf3
 [2. ģe3

 ĝh3
 3. ģf3
 ĝf1
 4. a7
 ĝc4 △ ĝd5=]

 ĝd3!
 [2... ģd5?
 3. a7
 ĝe4
 4. ĝe3+-]

 3. a7
 ĝc4
 4. a8∰ ĝd5=



KLASIFIKACIJA ・ КЛАССИФИКАЦИЯ ・ CLASSIFICATION ・ KLASSIFIZIERUNG ・ CLASSIFICATION ・ CLASIFICACION ・ CLASSIFICAZIONE ・ KLASSIFIKATION ・ 大分類 ・ التصني

	۲ <u>۵</u>	
②逸 0	② : 含 ③ : ら	12
තිදූ 1	호 : 함 호 : 츠	42
④良 2	Ð : Ð	76
②皇 3	호(L 쇼) : 최(⅃ 쇼) 호(⅃ 쇼) : 최(L 쇼)	182
②皇 4	≜ (L Å) : 答 (L Å), L >	220
匂食 5	೨ (L Å) : ㈜ (L Å), J>	306
②皇 6	ĝ:ĝ, ∎	364
②皇 7	ĝ.:ĝ, ≠	408
<u>තු</u> දු 8	නත/නුෂු/ෂුෂු : අ තත/නුෂු/ෂුෂු : පු තත/නුෂු/ෂුෂු : තු/ෂු	470
<u> </u>	勾逸	520

勿意

Figure 5. From Enciklopedija Šahovskih Završnica, 1993.

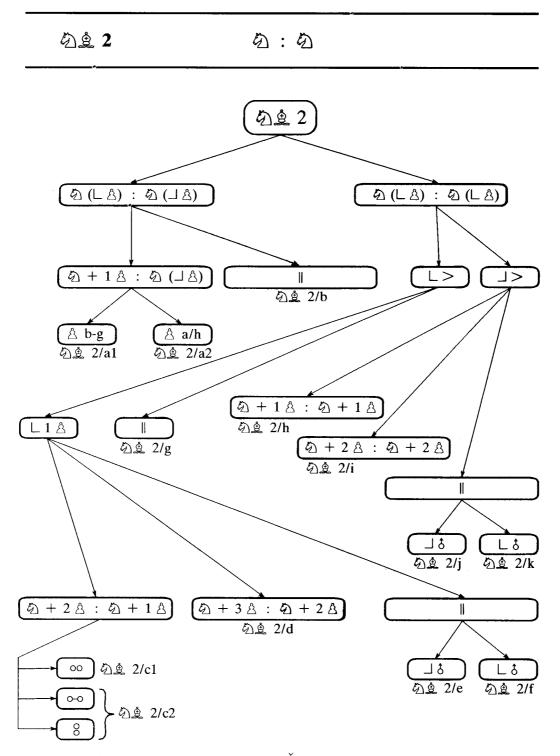


Figure 6. From Enciklopedija Šahovskih Završnica, 1993.

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A. Administrative

- 1. Title
- Proposal to encode symbols for chess notation
- 2. Requester's name
- Michael Everson
- 3. Requester type (Member body/Liaison/Individual contribution)
- Individual contribution.
- 4. Submission date
- 2017-01-24
- 5. Requester's reference (if applicable)
- 6. Choose one of the following:
- 6a. This is a complete proposal
- Yes.

6b. More information will be provided later **No.**

B. Technical -- General

1. Choose one of the following:

1a. This proposal is for a new script (set of characters)

- No.
- Proposed name of script

1b. The proposal is for addition of character(s) to an existing block

Yes.

1b. Name of the existing block

- Miscellaneous Symbols and Arrows.
- 2. Number of characters in proposal
- 9.
- 3. Proposed category (see section II, Character Categories)

Category A.

4a. Is a repertoire including character names provided?

Yes.

4b. If YES, are the names in accordance with the character naming guidelines in Annex L of ISO/IEC 10646-1: 2000?

Yes.

4c. Are the character shapes attached in a legible form suitable for review?

Yes.

5a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard? **Michael Everson.**

5b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

Michael Everson, Fontographer.

6a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

No.

6b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached? **Yes.**

7. Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?

No.

8. Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at http://www.unicode.org for such information on other scripts. Also see Unicode Character Database http://www.unicode.org/Public/UNIDATA/ UnicodeCharacterDatabase.html and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

The characters should have the same properties as other symbols.

C. Technical -- Justification

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.

No.

2a. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?

Yes.

2b. If YES, with whom?

Garth Wallace

2c. If YES, available relevant documents

3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included?

Everyone.

4a. The context of use for the proposed characters (type of use; common or rare)

Common.

4b. Reference

5a. Are the proposed characters in current use by the user community?

No.

5b. If YES, where?

6a. After giving due considerations to the principles in Principles and Procedures document (a WG 2 standing document) must the proposed characters be entirely in the BMP?

No.

6b. If YES, is a rationale provided?

6c. If YES, reference

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?

8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?

No.

8b. If YES, is a rationale for its inclusion provided?

8c. If YES, reference

9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?

No.

9b. If YES, is a rationale for its inclusion provided?

9c. If YES, reference

10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?

No.

10b. If YES, is a rationale for its inclusion provided?

10c. If YES, reference

11a. Does the proposal include use of combining characters and/or use of composite sequences (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?

No.

11b. If YES, is a rationale for such use provided?

11c. If YES, reference

12a. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?

No.

12b. If YES, reference

13a. Does the proposal contain characters with any special properties such as control function or similar semantics?

No.

13b. If YES, describe in detail (include attachment if necessary)

14a. Does the proposal contain any Ideographic compatibility character(s)?

No.

14b. If YES, is the equivalent corresponding unified ideographic character(s) identified?