

## ISO/IEC JTC 1/SC 2/WG 2 N2374

<b>TITLE:</b>	<b>PROPOSAL TO ADD OF 70 SYMBOLS TO ISO/IEC 10646-1:2000</b>
<b>DOC. TYPE:</b>	National body contribution
<b>SOURCE:</b>	Committee for Standardization of the D P R of Korea (CSK)
<b>Action:</b>	For review and acceptance by WG2
<b>DISTRIBUTION:</b>	Members of ISO/IEC JTC1/SC2/WG2 and Liaison organization
<b>DATE:</b>	2001-09-03
<b>REFERENCE:</b>	WG2 N2056, WG2 N2254, WG2 N2354, WG2 N2282

WG2 required D P R of Korea in M39.2 and M40.1 to review and refine the proposal from D P R of Korea according to the Korean ad hoc recommendation, N2282.

This document includes a more detailed information about 70 symbols specified in KPS 9566-97 and widely used in D P R of Korea according to the Korean ad hoc recommendation.

Therefore, D P R of Korea requests to make working draft of next amendment of ISO/IEC 10646-1:2000 after detailed review and consideration of our proposal in the 41<sup>st</sup> meeting of WG2.

70 symbols proposed in this time by D P R of Korea were applicated for registration as ISO/IEC JTC1/SC2 N2958 on August 20, 1997 and were registered as ISO IR 202 on April 28, 1998 , so they are used world widely in the field of IT.

Our proposal summary form and the detailed information are as follows:

**ISO/IEC JTC 1/SC 2/WG 2**  
**PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS**  
**FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646**

Please fill all the sections A, B and C below

**A. Administrative**

1. Title: **Proposal to add 70 Symbols to ISO/IEC 10646-1:2000**
2. Requester's name: **Committee for Standardization of the D P R of Korea (CSK)**
3. Requester type (Member body/Liaison/Individual contribution): Member body
4. Submission date: 2001-09-03
5. Requester's reference (if applicable): KPS 9566-97
6. (Choose one of the following:)
- This is a complete proposal: Yes
- More information will be provided later:

**B. Technical-General**

1. (Choose one of the following:)
- a. This proposal is for a new script (set of characters): No  
Proposed name of script:
- b. The proposal is for addition of character(s) to an existing block: Yes  
Name of the existing block:  
Letter like Symbols (3), Number Form (5), Miscellaneous Symbols (11),  
Supplemental Arrows-C (14), Dingbats (3), Supplemental CJK Compatibility ( 21),  
Enclosed CJK Letters (4), CJK Compatibility (7), CJK Compatibility Forms (2)
2. Number of characters in proposal: 70
3. Proposed category (see section II, character categories): A
4. Proposed Level of Implementation (see clause 15, ISO/IEC 10646-1): 3  
Is a rationale provided for the choice? \_\_\_\_\_  
If Yes, reference:
5. Is a repertoire including character names provided? : Yes
- a. If YES, are the names in accordance with the 'character naming guidelines'  
in Annex K of ISO/IEC 10646-1? Yes
- b. Are the character shapes attached in a reviewable form? Yes
6. Who will provide the appropriate computerized font (ordered preference: TrueType,  
Postscript or 96\*96 bit-mapped format) for publishing the standard? CSK  
If available now, identify source(s) for the font (include address, e-mail,  
ftp-site, etc.) and indicate the tools used: TrueType format
7. References:
- a. Are references (to other character sets, dictionaries, descriptive texts etc.)  
provided? Yes
- b. Are published examples (such as samples from newspapers, magazines, or  
other sources) of use of proposed characters attached? Yes  
(Newspaper, magazine and other reference)

8. Special encoding is needed:

No

### C. Technical-Justification

1. Has this proposal for addition of character(s) been submitted before? Yes  
If YES, explain In the 38<sup>th</sup> and 39<sup>th</sup> WG2 meeting , WG2 N2182
2. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts and etc.)? Yes  
If YES, with whom? All user community of DPRK. eg. CSK,PIC,KCC, ASS etc.  
If YES, available relevant documents? KPS 9566-97
3. Information on the user community for the proposed characters (for example: size, Demographics, information technology use, or publishing use) is included? Yes  
Reference: KPS 9566-97
4. The context of use for the proposed characters (type of use; common or rare) Common  
Reference: KPS 9566-97
5. Are the proposed characters in current use by the user community? Yes  
If YES, where? Reference: All user community of DPRK.
6. After giving due considerations to the principles in "principles and procedures" document ( a WG2 standing document), must the proposed characters be entirely in the BMP? Yes  
If YES, is a rationale provided? Yes  
If YES, reference: KPS 9566-97
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)? Yes (only 6 characters)
8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence? No
9. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character? Yes  
If YES, is a rationale for its inclusion provided? Yes  
If YES, reference: KPS 9566-97
10. Does the proposed include use of combining characters and/ or use of composite sequences (see clauses 4.11 and 4.13 in ISO/IEC 10646-1)? No
11. Does the proposal contain characters with any special properties such as control function or similar semantics? No  
If YES, describe in detail (include attachment if necessary)

# 1. REPERTOIRE









## Letterlike Symbols




No	Char	KPS	Propose UCS	Character Name
1	LTD	ACDC	U+214C	LIMITED LIABILITY SIGN # 004C 0054 0044
2	PTE	ACDD	U+214D	PARTNERSHIP SIGN # 0050 0054 0045
3	FAX	ACDF	U+214E	FACSIMILE SIGN # 0046 0041 0058

## Number Forms















No	Char	KPS	Propose UCS	Character Name
1	$\frac{1}{2}$	A7FA	U+2151	VULGAR FRACTION ONE HALF WITH HORIZONTAL BAR # 00BD
2	$\frac{1}{3}$	A7FB	U+2184	VULGAR FRACTION ONE THIRD WITH HORIZONTAL BAR # 2153
3	$\frac{2}{3}$	A7FC	U+2185	VULGAR FRACTION TWO THIRDS WITH HORIZONTAL BAR # 2154
4	$\frac{1}{4}$	A7FD	U+2152	VULGAR FRACTION ONE QUARTER WITH HORIZONTAL BAR # 00BC
5	$\frac{3}{4}$	A7FE	U+2153	VULGAR FRACTION THREE QUARTERS WITH HORIZONTAL BAR # 00BE

## Miscellaneous Symbols




No	Char	KPS	Propose UCS	Character Name
1		ACA6	U+2618	SHOWER WEATHER
2		ACA1	U+2614	HAMMER AND SICKLE AND BRUSH
3		ACA2	U+2615	CIRCLED HAMMER AND SICKLE AND BRUSH
4		A2F1	U+268A	WHITE UP-POINTING TRIANGLE WITH BLACK TRIANGLE
5		A2F2	U+268B	WHITE UP-POINTING TRIANGLE WITH HORIZONTAL FILL
6		A2F6	U+268C	WHITE UP-POINTING TRIANGLE WITH UPPER LEFT TO LOWER RIGHT FILL
7		A2F4	U+268D	WHITE UP-POINTING TRIANGLE WITH UPPER RIGHT TO LOWER LEFT FILL
8		A2F5	U+268E	WHITE FLAG

9		A2F6	U+268F	BLACK FLAG
10		ACAA	U+267E	WHITE UP-POINTING TRIANGLE WITH CAUTION MARK
11		ACA9	U+267F	HIGH VOLTAGE CAUTION MARK

## Supplemental Arrows-C (New)

No	Char	KPS	Propose UCS	Character Name
1		ACBA	U+2B00	NORTH EAST WHITE ARROW
2		ACBB	U+2B01	NORTH WEST WHITE ARROW
3		ACBC	U+2B02	SOUTH EAST WHITE ARROW
4		ACBD	U+2B03	SOUTH WEST WHITE ARROW
5		ACBE	U+2B04	LEFT RIGHT WHITE ARROW
6		ACC1	U+2B05	LEFTWARDS BLACK ARROW
7		ACC2	U+2B06	UPWARDS BLACK ARROW
8		ACC3	U+2B07	DOWNWARDS BLACK ARROW
9		ACC4	U+2B08	NORTH EAST BLACK ARROW
10		ACC5	U+2B09	NORTH WEST BLACK ARROW
11		ACC6	U+2B0A	SOUTH EAST BLACK ARROW
12		ACC7	U+2B0B	SOUTH WEST BLACK ARROW
13		ACC8	U+2B0C	LEFT RIGHT BLACK ARROW
14		ACC9	U+2B0D	UP DOWN BLACK ARROW

## Dingbats

No	Char	KPS	Propose UCS	Character Name
1		ACD5	U+2700	LEFTWARDS SCISSORS
2		ACD4	U+270B	CIRCLED UPWARD INDICATION
3		ACD6	U+270A	TEA SYMBOL # WAITING SYMBOL

## Supplemental CJK Compatibility

(New : 31C0-31EF)

No	Char	KPS	Propose UCS	Character Name
1	•	A1C0	U+31C0	VERTICAL FULL STOP # <vertical> FF0E
2	,	A1C1	U+31C1	VERTICAL COMMA # <vertical> FF0C
3	◦	A1C2	U+31C2	VERTICAL IDEOGRAPHIC FULL STOP # <vertical> 3002
4	、	A1C3	U+31C3	VERTICAL IDEOGRAPHIC COMMA # <vertical> 3001
5	∟	A1C5	U+31C4	VERTICAL TILDE # <vertical> FF5E
6	，	A1DE	U+31C5	VERTICAL LEFT SINGLE QUOTATION MARK # <vertical> 2018
7	，	A1DF	U+31C6	VERTICAL RIGHT SINGLE QUOTATION MARK # <vertical> 2019
8	，	A1E0	U+31C7	VERTICAL LEFT DOUBLE QUOTATION MARK # <vertical> 201C
9	“	A1E1	U+31C8	VERTICAL RIGHT DOUBLE QUOTATION MARK # <vertical> 201D
10	.)	A1DC	U+31C9	RIGHT PARENTHESIS WITH FULL STOP
11	。》	A1DD	U+31CA	RIGHT DOUBLE ANGLE BRACKET WITH FULL STOP
12	Hg	A8F7	U+31CB	SQUARE HG # <square> 0048 0067
13	erg	A8FA	U+31CC	SQUARE ERG # <square> 0045 0072 0067
14	eV	A8FB	U+31CD	SQUARE EV # <square> 0045 0056
15	▽	ACCF	U+31CE	WHITE DOWN-POINTING TRIANGLE WITH POSTAL MARK # 3012
16	1	A4E8	U+31D0	EMPHASIZED KOREAN LETTER KIM INSIDE KIM IL SUNG
17	2	A4E9	U+31D1	EMPHASIZED KOREAN LETTER IL INSIDE KIM IL SUNG
18	3	A4EA	U+31D2	EMPHASIZED KOREAN LETTER SUNG INSIDE KIM IL SUNG
19	4	A4EB	U+31D3	EMPHASIZED KOREAN LETTER KIM INSIDE KIM JONG IL
20	5	A4EC	U+31D4	EMPHASIZED KOREAN LETTER JONG INSIDE KIM JONG IL
21	6	A4ED	U+31D5	EMPHASIZED KOREAN LETTER IL INSIDE KIM JONG IL

## Enclosed CJK Letters and Months

No	Char	KPS	Propose UCS	Character Name
1	(오전)	ACD9	U+321D	PARENTHESESIZED KOREAN CHARACTER O JEON # <circle> C624 C804
2	(오후)	ACDA	U+321E	PARENTHESESIZED KOREAN CHARACTER O HU # <circle> C624 D6C4
3	참고	ACD7	U+327C	CIRLED KOREAN CHARACTER CHAM KO # <circle> CC38 ACE0
4	주의	ACD8	U+327D	CIRLED KOREAN CHARACTER JU EUI # <circle> C8FC C73C

## CJK Compatibility

No	Char	KPS	Propose UCS	Character Name
1	dm	A8B8	U+3377	SQUARE DM # <square> 0064 006D
2	dm <sup>2</sup>	A8B9	U+3378	SQUARE DM SQUARED # <square> 0064 006D 00B2
3	dm <sup>3</sup>	A8BA	U+3379	SQUARE DM CUBED # <square> 0064 006D 00B3
4	IU	ACE0	U+337A	SQUARE IU # <square> 0049 0055
5	V/m	A8DF	U+33DE	SQUARE V OVER M # <square> 0056 2215 006D
6	A/m	A8E0	U+33DF	SQUARE A OVER M # <square> 0041 2215 006D
7	gal	A8F1	U+33FF	SQUARE GAL # <square> 0067 0061 006C

## CJK Compatibility Forms

No	Char	KPS	Propose UCS	Character Name
1	┌	A1E6	U+FE47	PRESENTATION FORM FOR VERTICAL LEFT SQUARE BRACKET # <vertical> FF3B
2	┐	A1E7	U+FE48	PRESENTATION FORM FOR VERTICAL RIGHT SQUARE BRACKET # <vertical> FF3D

## 2. Rationale and Evidence of usage

### 1) Letterlike Symbols, “LTD, PTE, FAX”

“LTD” is abbreviation of “Limited Liability”

“PTE” is abbreviation of “Partnership”

“FAX” is abbreviation of “Facsimile”

### 2) Number Forms, “ $\frac{1}{2}, \frac{1}{3}, \frac{2}{3}, \frac{1}{4}, \frac{3}{4}$ ”

Fractional symbols using Dash and Slash as like “ $\frac{1}{3}, \frac{1}{3}$ ” are defined individually in KPS-9566.

These symbols mean that 1 is divided by 3. They are used regularly in expressing fraction of mathematics as well as “ $\frac{1}{2}, \frac{2}{3}, \frac{1}{4}, \frac{3}{4}$ ”

**문 제**

**1. 다음 계산을 하여라.**

1)  $(+3) + (+7)$       2)  $(-9) + (-7)$   
 3)  $(-1.3) + (-2.5)$       4)  $(-\frac{2}{3}) + (-\frac{3}{4}) + (+\frac{1}{4})$

**2. 다음 계산을 하여라.**

1)  $(+12) + (-17)$       2)  $19 + (-12)$   
 3)  $(+4.2) + (+2.5)$       4)  $(+12) + (-12)$   
 5)  $(-\frac{1}{3}) + (+\frac{1}{2})$

Source: The publishing house of advanced education, Mathematics (Senior middle 1), 40p 1992

### 3) Miscellaneous Symbols, “☂, ☂, ⊗, ⊗, □, □, ▲, ▲, ▲, ▲, ▲, ▲, △, △, ⚡”

These symbols are mark symbols.

“☂” means Shower Weather.

“☂ ⊗” is used in identifying symbols in map.

“□ □” is used in Marking battle place and the position where victory is gained.

Source: The publishing house of advanced education, Korean history 1992

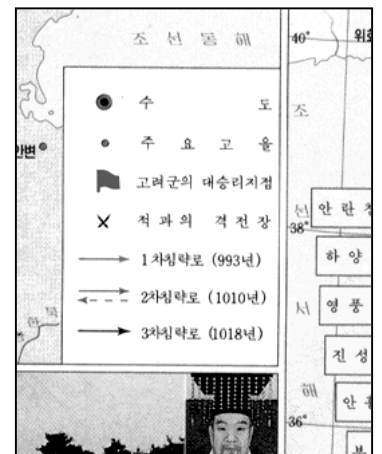
“▲” shows that mountain is located in the front side as road mark.

“▲” means ascent.

“▲▲” shows slope in the left and right sides.

“△” is caution mark.

“⚡” shows electric danger.



### 4) Supplemental Arrows-C, “↗, ↘, ↙, ↚, ↔, ←, ↑, ↓, ↗, ↘, ↙, ↚, ↔, ↑”

Represents 14 arrows and each arrow represent its direction.

평양 → 함흥 (평양-함흥행 열차)



5) Dingbats, “☞, ☝, ☹”

- “☞” Leftward scissors whose direction is different from one of scissors registered.
- “☝” Indicates symbol for upper direction .
- “☹” Indicates that there is tea room in resting place on the map.

6) Supplemental CJK Compatibility (Vertical Writing), “ ` , ’ , ° , ` , ` , ’ , ‘ , , , ”, “ , , , ”

11 symbols are specified in KPS-9566-97 and JIS X 0208, which are used widely in vertical writing of sentence.

附属書 4 表 2 記述記号						
区点	文字	縦書き	GL	GR	SJIS	日本語通用名称 名前
1-2	,	、	2122	a1a2	8141	読点 IDEOGRAPHIC COMMA
1-3	.	。 , .	2123	a1a3	8142	句点 IDEOGRAPHIC FULL STOP
1-4	,	、	2124	a1a4	8143	コンマ COMMA
1-5	.	。 , .	2125	a1a5	8144	ピリオド FULL STOP
1-6	.	・	2126	a1a6	8145	中点 KATAKANA MIDDLE DOT
1-7	:	、	2127	a1a7	8146	コロソ colon COLON
1-8	;	;	2128	a1a8	8147	セミコロソ semicolon SEMICOLON
1-9	?	?	2129	a1a9	8148	疑問符 QUESTION MARK
1-10	!	!	212a	a1aa	8149	感嘆符 EXCLAMATION MARK
1-29	—	—	213d	a1bd	815c	ダツシュ(全角) EM DASH
1-30	-	-	213e	a1be	815d	ハイフン(四分) HYPHEN
1-31	/	/	213f	a1bf	815e	斜線 SOLIDUS
1-32	\	\	2140	a1c0	815f	逆斜線 REVERSE SOLIDUS
1-33	~	〜	2141	a1c1	8160	波ダツシュ WAVE DASH

X 0208						
附属書 4 表 5 括弧記号						
区点	文字	縦書き	GL	GR	SJIS	日本語通用名称 名前
1-38	‘	‘	2146	a1c6	8165	左シングル引用符 LEFT SINGLE QUOTATION MARK
1-39	’	’	2147	a1c7	8166	右シングル引用符 RIGHT SINGLE QUOTATION MARK
1-40	“	“	2148	a1c8	8167	左ダブル引用符 LEFT DOUBLE QUOTATION MARK
1-41	”	”	2149	a1c9	8168	右ダブル引用符 RIGHT DOUBLE QUOTATION MARK
1-42	(	(	214a	a1ca	8169	始め小括弧, 始め丸括弧 LEFT PARENTHESIS
1-43	)	)	214b	a1cb	816a	終わり小括弧, 終わり丸括弧 RIGHT PARENTHESIS
1-44	[	[	214c	a1cc	816b	始めきっこう(亀甲) 括弧 LEFT TORTOISE SHELL BRACKET
1-45	]	]	214d	a1cd	816c	終わりきっこう(亀甲) 括弧 RIGHT TORTOISE SHELL BRACKET
1-46	[	[	214e	a1ce	816d	始め大括弧, 始め角括弧 LEFT SQUARE BRACKET
1-47	]	]	214f	a1cf	816e	終わり大括弧, 終わり角括弧 RIGHT SQUARE BRACKET
1-48	{	{	2150	a1d0	816f	始め中括弧, 始め波括弧 LEFT CURLY BRACKET
1-49	}	}	2151	a1d1	8170	終わり中括弧, 終わり波括弧 RIGHT CURLY BRACKET
1-50	<	<	2152	a1d2	8171	始め山括弧 LEFT ANGLE BRACKET
1-51	>	>	2153	a1d3	8172	終わり山括弧 RIGHT ANGLE BRACKET
1-52	<<	<<	2154	a1d4	8173	始め二重山括弧 LEFT DOUBLE ANGLE BRACKET
1-53	>>	>>	2155	a1d5	8174	終わり二重山括弧 RIGHT DOUBLE ANGLE BRACKET
1-54	†	†	2156	a1d6	8175	始めかぎ括弧 LEFT CORNER BRACKET
1-55	‡	‡	2157	a1d7	8176	終わりかぎ括弧 RIGHT CORNER BRACKET
1-56	†	†	2158	a1d8	8177	始め二重かぎ括弧 LEFT WHITE CORNER BRACKET
1-57	‡	‡	2159	a1d9	8178	終わり二重かぎ括弧 RIGHT WHITE CORNER BRACKET
1-58	†	†	215a	a1da	8179	始めすみ付き括弧 LEFT BLACK LENTICULAR BRACKET
1-59	‡	‡	215b	a1db	817a	終わりすみ付き括弧 RIGHT BLACK LENTICULAR BRACKET

7) CJK Compatibility, “. ) .》”

“. ) .》”symbols are used when denoting line end of sentence without interval between point, parenthesis and quotation mark. Of course, document can be edited with point and parenthesis but the gap between point and parenthesis is so wide as shown in the first sentence of example that it was edited with one symbol.

Eg. 《가는 길 험난해도 웃으며 가자. 》  
 《가는 길 험난해도 웃으며 가자.》

8) CJK Compatibility (Unit) , “IU, gal, erg, Hg, eV, 1/2m, 1/3m, dm, dm<sup>2</sup>, dm<sup>3</sup>”

Unit symbols defined in KPS 9566-97 have high frequency among Unit symbols used in our country. These symbols are used for correct *line breaks*.

“IU” 80kcal Foodstuff Introduction Mokran publishing house 1996

<p><b>다리고기(껍질이)</b>                  334kJ당 질량 36g                  눈짐작 : 1개 230~280g</p> <hr/> 38g당 비타민A ..... 49IU 비타민B <sub>1</sub> ..... 0.04mg 비타민B <sub>2</sub> ..... 0.08mg 비타민C ..... 1mg 비타민E ..... 0.1mg 칼슘 ..... 2mg 철 ..... 0.5mg 콜레스테롤 ..... 36mg	<p><b>다리고기(껍질과)</b>                  334kJ당 질량 38g (버리는                  눈짐작 : 1토막 50g)</p> <hr/> 38g당 비타민A ..... 49IU 비타민B <sub>1</sub> ..... 0.04mg 비타민B <sub>2</sub> ..... 0.08mg 비타민C ..... 1mg 비타민E ..... 0.1mg 칼슘 ..... 2mg 철 ..... 0.5mg 콜레스테롤 ..... 36mg
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“gal” “Rotong Sinmun (Newspaper)”

주제90 (2001) 년 3월 31일 (토요일)

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지난 20세기 세계적으로 크게 6건에 달하는 원유류출사고가 있었다. 이것을 가리켜 20세기의 6대원유류출사고라고 한다. 그것을 보면 다음과 같다.

- 제 2 차 세계 대전 시기인 1942년 미국 동해안에서 파쇼도이힐란드세력이 미국유조선 을 공격한것으로 하여 59만t 의 원유가 류출되었다.
- ▲ -1979년 6월 1일 트러너드 토바고부근에서 30

### 20세기의 6대원유류출사고

만t의 원유가 류출되었다.

- 1979년 6월 3일 예히프만에서 60만t의 원유가 류출되었다.
- 1983년 2월 페르사만 지역에서 60만t의 원유가 류출되었다.
- 1989년 3월 24일 미국 알라스카의 한 항구에서 4만 1,000t의 원유가 류

출되었다.

- 페르사만전쟁시기인 1991년 1월 25일 쿠웨이트부근에서 150만t의 원유가 류출되었다.

류출된 원유 총량은 자동차들에 10억여gal(갈론)의 휘발유를 공급할수 있는 양이라고 한다.

본사기자 ▲

SI 단위계에 속하지 않는 단위로서 아직도 많이 쓰이는 단위

물리량	단위이름	기호	정의 (SI 단위와의 관계)
길이	미크로미터	$\mu\text{m}$	$10^{-6}\text{m} = 1 \mu\text{m}$
	옹그스트롬	$\text{\AA}$	$10^{-8}\text{cm} = 10^{-10}\text{m} = 0.1 \text{nm}$
힘	다인	dyn	$10^{-5}\text{N}$
에너지	에르그	erg	$10^{-7}\text{J}$
	칼로리	cal	4.184J
압력	기압	atm	$101325\text{Nm}^{-2}$
	밀리메터수 은주	mmHg	133.322Pa

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그림 9-11. 원자핵이 분열되는 정형을 보인 모형

르기를 낸다.  ${}^{235}_{92}\text{U}$ 의 1몰은 235g이며 1몰속에는 핵이  $6 \times 10^{23}$ 개 들어있다. 그러므로 1kg의 우란속에는  $\frac{1000}{235} \times 6 \times 10^{23} = 2.5 \times 10^{24}$ 개의 핵이 들어있다. 그러므로 1kg의  ${}^{235}_{92}\text{U}$ 를 분열시킬 때 얻는 에너지는

$$200\text{MeV} \times 2.5 \times 10^{24} = 5 \times 10^{32}\text{eV}$$

그런데  $1\text{eV} = 1.6 \times 10^{-19}\text{J}$

물 리 단 위			
량	단 위	기호	비 고
전자마당 의 세기	볼트/미터	$\frac{\text{V}}{\text{m}}$	= N/C
자기마당 의 세기	암페어/미터	$\frac{\text{A}}{\text{m}}$	= N/Wb

404. 둘레가 같은 평행4변형에서 대각선의 2제품의 합이 최소인 것은 두 변이 어떤 관계일 때인가?

405. 직각3각형의 직각변들은 15dm와 20dm와 같다. 내접원의 중심으로부터 빗변에 세운 높이까지의 거리를 구하여라.

3) 1000000m<sup>3</sup>(=10<sup>9</sup>m<sup>3</sup>), 29200dm<sup>3</sup>(1m<sup>3</sup>=1000dm<sup>3</sup>)  
195분, 1500초 2) 9시간 3) 1800분, 43200초

The 6 characters arranged from 4-72 to 4-77 in KPS 9566-97 are emphasized characters, which are used most frequently in the publications of our country as the characters whose thickness and size are different from characters in Korean character syllable.

위대한 수령 김일성동지께서는 다음과 같이 교시하시였다.  
 \* 《전민족이 한결같이 조국통일을 지상의 과제로 인정하고있는  
 이상 사상과 제도의 차이가 통일을 불가능하게 하는 조건으로는 될  
 수 없습니다.》 (《김일성저작집》 제35권, 346페이지)

김정일동지께서는 혁명사적지에 대한 해설을 들으신 다음 옛 모습 그대로 있는 사적건물들을 돌아 보시였다.

We propose to assign “Additional CJK Compatibility”, new block since current “CJK Compatibility” is crammed.

“<sup>참고</sup>”, “<sup>주의</sup>” are used frequently for reference and caution in manual.

Source: “Changdok V 3.0” manual, 1989

**G** 회랍문


회랍문을 입력한다.

[G **회랍문**] 명령을 선택하면 건반배치도가 회랍문건반배치도로 된다.

<sup>참고</sup> 건반배치도는 [보조]-[L 건반배치도 Ctrl+T] 명령을 참고하십시오.  
 회랍문건반배치도에 따라서 회랍문을 입력하면 된다.

② [B **블록** Alt+3] 명령을 선택한다.

③ 카슬을 움직여서 선택하려는 문자열의 마지막위치까지 이동해가면 문자열이 블록단위로 선택된다.

 [Alt] + [3]

<sup>주의</sup> 행끝에 개행기호가 없는 행에서 블록처리를 진행하면 배치상태가 변경되므로 이 경우에 블록처리를 피하는것이 좋다.

10) Example in KPS-9566

The examples printed in KPS-9566 are shown as follows:

22		국규 9566															
조선글 두바이트 부호표														부록 2			
A1A0(2120)			、	。	，	。	•	∶	∶	?	!	…	…	~	//	—	
	A1A1	A1A2	A1A3	A1A4	A1A5	A1A6	A1A7	A1A8	A1A9	A1AA	A1AB	A1AC	A1AD	A1AE	A1AF		
A1B0(2130)		—	—	/	\			/	\	°	°	′	′	″	^	v	
	A1B0	A1B1	A1B2	A1B3	A1B4	A1B5	A1B6	A1B7	A1B8	A1B9	A1BA	A1BB	A1BC	A1BD	A1BE	A1BF	
A1C0(2140)		·	’	°	、	∶	∶	‘	’	“	”	(	)	(	)	[	]
	A1C0	A1C1	A1C2	A1C3	A1C4	A1C5	A1C6	A1C7	A1C8	A1C9	A1CA	A1CB	A1CC	A1CD	A1CE	A1CF	
A1D0(2150)		{	}	<	>	《	》	┌	┐	└	┘	┌	┐	└	┘	，	‘
	A1D0	A1D1	A1D2	A1D3	A1D4	A1D5	A1D6	A1D7	A1D8	A1D9	A1DA	A1DB	A1DC	A1DD	A1DE	A1DF	
A1E0(2160)		”	“	⌒	⌒	⌒	⌒	⌒	⌒	⌒	⌒	⌒	⌒	⌒	⌒	⌒	⌒
	A1E0	A1E1	A1E2	A1E3	A1E4	A1E5	A1E6	A1E7	A1E8	A1E9	A1EA	A1EB	A1EC	A1ED	A1EE	A1EF	
A1F0(2170)		—	—	—	—												
	A1F0	A1F1	A1F2	A1F3	A1F4	A1F5	A1F6	A1F7	A1F8	A1F9	A1FA	A1FB	A1FC	A1FD	A1FE		
A2A0(2220)		+	-	±	×	÷	=	≠	<	>	≤	≥	∞	∴	♂	♀	
	A2A1	A2A2	A2A3	A2A4	A2A5	A2A6	A2A7	A2A8	A2A9	A2AA	A2AB	A2AC	A2AD	A2AE	A2AF		
A2B0(2230)		∠	⊥	∩	∂	∇	≡	≅	≈	≪	≫	√	∞	∞	∴	∫	∫∫
	A2B0	A2B1	A2B2	A2B3	A2B4	A2B5	A2B6	A2B7	A2B8	A2B9	A2BA	A2BB	A2BC	A2BD	A2BE	A2BF	
A2C0(2240)		§	€	≡	≤	≥	⊂	⊃	⊆	⊇	⊈	⊉	⊊	⊋	⊌	⊍	∧
	A2C0	A2C1	A2C2	A2C3	A2C4	A2C5	A2C6	A2C7	A2C8	A2C9	A2CA	A2CB	A2CC	A2CD	A2CE	A2CF	
A2D0(2250)		∨	↖	⇒	⇔	∇	∃	Σ	#	&	*	@	§	※	☆	★	○
	A2D0	A2D1	A2D2	A2D3	A2D4	A2D5	A2D6	A2D7	A2D8	A2D9	A2DA	A2DB	A2DC	A2DD	A2DE	A2DF	
A2E0(2260)		●	◎	◇	◆	□	■	△	▲	▽	▼	▷	◁	▶	◀	◦	◉
	A2E0	A2E1	A2E2	A2E3	A2E4	A2E5	A2E6	A2E7	A2E8	A2E9	A2EA	A2EB	A2EC	A2ED	A2EE	A2EF	
A2F0(2270)		◆	▲	▲	▲	▲	▢	▣	#	♭	♮	♯	†	‡	¶	⊕	⊖
	A2F0	A2F1	A2F2	A2F3	A2F4	A2F5	A2F6	A2F7	A2F8	A2F9	A2FA	A2FB	A2FC	A2FD	A2FE		

A7F0(2770)	0	1	2	3	4	5	6	7	8	9	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{2}{3}$	$\frac{1}{4}$	$\frac{3}{4}$	
	A7F0	A7F1	A7F2	A7F3	A7F4	A7F5	A7F6	A7F7	A7F8	A7F9	A7FA	A7FB	A7FC	A7FD	A7FE	
A8A0(2820)		.	'	"	°C	°F	K	W	\$	¢	£	¥	%	‰	Å	CC
		A8A1	A8A2	A8A3	A8A4	A8A5	A8A6	A8A7	A8A8	A8A9	A8AA	A8AB	A8AC	A8AD	A8AE	A8AF
A8B0(2830)	m <sup>3</sup>	m <sup>2</sup>	cm	cm <sup>2</sup>	cm <sup>3</sup>	mm	mm <sup>2</sup>	mm <sup>3</sup>	dm	dm <sup>2</sup>	dm <sup>3</sup>	km	km <sup>2</sup>	km <sup>3</sup>	fm	nm
	A8B0	A8B1	A8B2	A8B3	A8B4	A8B5	A8B6	A8B7	A8B8	A8B9	A8BA	A8BB	A8BC	A8BD	A8BE	A8BF
A8C0(2840)	µm	$\frac{m}{s}$	$\frac{m}{s^2}$	µg	mg	kg	pV	nV	µV	mV	kV	MV	pA	nA	µA	mA
	A8C0	A8C1	A8C2	A8C3	A8C4	A8C5	A8C6	A8C7	A8C8	A8C9	A8CA	A8CB	A8CC	A8CD	A8CE	A8CF
A8D0(2850)	kA	pW	nW	µW	nW	kW	MW	Ω	kΩ	MΩ	Hz	kHz	MHz	GHz	THz	$\frac{1}{m}$
	A8D0	A8D1	A8D2	A8D3	A8D4	A8D5	A8D6	A8D7	A8D8	A8D9	A8DA	A8DB	A8DC	A8DD	A8DE	A8DF
A8E0(2860)	$\frac{1}{m}$	ps	ns	µs	ms	pF	nF	µF	Pa	kPa	MPa	GPa	l	µl	ml	dl
	A8E0	A8E1	A8E2	A8E3	A8E4	A8E5	A8E6	A8E7	A8E8	A8E9	A8EA	A8EB	A8EC	A8ED	A8EE	A8EF
A8F0(2870)	kl	gal	cal	kcal	rad	$\frac{rad}{s}$	$\frac{rad}{s^2}$	Hg	Wb	dB	erg	eV	mol	HP	ha	
	A8F0	A8F1	A8F2	A8F3	A8F4	A8F5	A8F6	A8F7	A8F8	A8F9	A8FA	A8FB	A8FC	A8FD	A8FE	

ACA0(2C20)												No	→	←	↑	↓
		ACA1	ACA2	ACA3	ACA4	ACA5	ACA6	ACA7	ACA8	ACA9	ACAA	ACAB	ACAC	ACAD	ACAE	ACAF
ACB0(2C30)																
	ACB0	ACB1	ACB2	ACB3	ACB4	ACB5	ACB6	ACB7	ACB8	ACB9	ACBA	ACBB	ACBC	ACBD	ACBE	ACBF
ACC0(2C40)																
	ACC0	ACC1	ACC2	ACC3	ACC4	ACC5	ACC6	ACC7	ACC8	ACC9	ACCA	ACCB	ACCC	ACCD	ACCE	ACCF
ACD0(2C50)									(주)	(주)	Co.	ITD	PTE	TEL	FAX	
	ACD0	ACD1	ACD2	ACD3	ACD4	ACD5	ACD6	ACD7	ACD8	ACD9	ACDA	ACDB	ACDC	ACDD	ACDE	ACDF
ACE0(2C60)	IU															
	ACE0	ACE1	ACE2	ACE3	ACE4	ACE5	ACE6	ACE7	ACE8	ACE9	ACEA	ACEB	ACEC	ACED	ACEE	ACEF