

LOWERCASE

straight>straight
(udlijqhmna)R
L(ublijphmnr)

nonnnnono
nonnunono
nonnbnono
nonninono
nonnjnono
nonnpnono
nonuunono
nonubnono
nonuinono
nonujnono
nonupnono
nonunnono
nonqunono
nonqbnono
nonqinono
nonqjnono
nonqppnono
nonqnnono
nonjunono
nonjbnono
nonjinono
nonjjnono
nonjpnono
nonjnnono
nonnnunono
nonnbnono

nonninono
nonnjnono
nonnpnono
nonnnnono
nonaunono
nonabnono
nonainono
nonajnono
nonapnono
nonannono
noniunono
nonibnono
noniinono
nonijnono
nonipnono
noninnono

straight>full round
(udlijqhmna)R L
(ceodqgđ)
nonuonono
nonugnono
nonuđnono
nonqonono
nonqgnono
nonqđnono
nonjonono
nonjgnono
nonjđnono
nonionono
nonignono

noniđnono
nonnonono
nonngnono
nonnđnono
nononono

(bpo)R L(ublijphmnr)
nonounono
nonobnono
nonojonon
nonoionon
nonononon

straight>small round
(udlijqhmna)R L(as)
nonuanono
nonusnono
nonqanono
nonqsnono
nonjanono
nonjsnono
nonaanono
nonasnono
nonianono
nonisnono
nonlanono
nonlsnono
nonnanono
nonnsnono

(s)R L(ublijphmnr)
nonsunono

nonsbnono
nonsnonon
nonsjnonon
nonslnonon

straight>void
(udlijqhmna)R L(vwyzx)

nonavnono
nonaynono
nonaznono
nonaxnono
nonuvnono
nonuynono
nonuznono
nonuxnono
nonqvnono
nonqwnono
nonqynono
nonqznono
nonqxnono
nonjvnono
nonjynono
nonjznono
nonjxnono
nonivnono
noniynono
noniznono
nonixnono
nonvnono
nonynono

nonznono
nonxnono

(kvwyzxr)R
L(ublijphmnr)
nonrunono
nonrlnono
nonrjnono
nonrpnono
nonrbnono

nonkunono
nonklnono
nonkjnono
nonkpnono
nonkbnono

nonvunono
nonvlnono
nonvjnono
nonvpnono
nonvbnono

nonzunono
nonzlnono
nonzjnono
nonzpnono
nonzbnono

nonxunono
nonxlnono
nonxjnono

nonxpnono
nonxbnono

straight>open
(udlijgqhmna)R L(afts)
nonufnono
nonuanono
nonutnono
nonusnono
nonqfnono
nonqanono
nonqtnono
nonqsnono
nonjfnono
nonjanono
nonjtnono
nonjsnono
nonnfnon
nonnanon
nonntnon
nonnsnon

(ctfre) R L(ublijphmnr)

noncunono
noncbnono
noncnonon
noncjnonon
nonclonon
noncpnonon
nontunono
nontbnono

nontnonon		nonpyonon	nonvgnono	noncǎnonon	nonkanonon
nontjnonon	full > small	nonbynono	nonwgonon	nontononon	nonksnonon
nontlnonon	(bpo)R L(as)	nongynono	nonygonon	nontdnonon	nonvanonon
nontpnonon	nonoanono	nonoznono	nonzgnonon	nontgnonon	nonvsnonon
nonfunono	nonpaonon	nonpzonon	nonxgnonon	nontǎnonon	nonwanonon
nonfbnono	nonosnono	nonbžnono	nonkenono	nonfononon	nonwsnonon
nonfnonon	nonpsonon	nongžnono	nonvenono	nonfdnonon	nonyanonon
nonfjnonon		nonoxnono	nonweonon	nonfgnonon	nonysnonon
nonflnonon	(as) R L (ceodqgǎ)	nonpxnonon	nonyeonon	nonfǎnonon	nonzanonon
nonfpnonon		nonbxnono	nonzenonon	nonrononon	nonžsnonon
nonrunono	nonaonono	nongxnono	nonxenonon	nonrdnonon	nonxanonon
nonrbnono	nonaenono	nongžnono		nonrgnonon	nonxsnonon
nonrnonon	nonagnono		full>open	nonrǎnonon	
nonrjnonon	nonadnono	(kvwyžx)R L (ceodqgǎ)	(bpo)R L(fts)	noneononon	small>open
nonrlnonon	nonaǎnono	nonkonono		nonednonon	(s)R L(fts)
nonrpnnonon	nonsonono	nonvonono	nonofnono	nonegnonon	nonsfnonon
noneunono	nonsenono	nonwoonon	nonpfnonon	noneǎnonon	nonstnonon
nonebnono	nonsgnono	nonyoonon	nonbfnono		nonssnonon
nonenonon	nonsdnono	nonkǎnono	nonotnono	small>small	
nonejnonon	nonsǎnono	nonvǎnono	nonptnonon	(s)R L(as)	(ctfre) R L(as)
nonelonon		nonwǎnonon	nonbbtnono	nonsanonon	noncanonon
nonepnnonon	full > void	nonyǎnonon	nonosnono	nonssnonon	noncsnonon
	(bpog)R L(vwyžx)	nonzǎnonon	nonpsonon		nonantanonon
full round >full round	nonovnono	nonxǎnonon	nonbsnono	small>void	nontsnonon
(bpo)R L (ceodqgǎ)	nonpvnonon	nonkǎnono	nonoanono	(s)R L(vwyžx)	nonfanonon
	nonbvnono	nonvdnono	nonpaonon	nonsvnonon	nonfsnonon
nonocnono	nongvnono	nonwdnonon	nonbanono	nonswnonon	nonranonon
nonoenono	nonownono	nonydonon		nonsynonon	nonrsnonon
nonognono	nonpwonon	nonzǎnonon	(ctfre) R L (ceodqgǎ)	nonsznonon	noneanonon
nonoǎnono	nonbwnono	nonxdnonon	noncononon	nonsxnonon	nonesnonon
nonpdonon	nongwnono	nonkgnono	noncdnonon		
nonooonon	nonoynono		noncgnonon	(kvwyžx)R L(as)	void>void

(kvwyzx)R L(vwyzx)

nonkvnnonon
nonkwnnonon
nonkynnonon
nonkznnonon
nonkxnnonon
nonvvnonon
nonvwnnonon
nonvynnonon
nonvznnonon
nonvxnonon
nonwvnonon
nonwwnonon
nonwynnonon
nonwznnonon
nonwxnonon
nonyvnonon
nonywnnonon
nonyynnonon
nonyznnonon
nonyxnnonon
nonzvnonon
nonzwnonon
nonzynnonon
nonzznnonon
nonzxnnonon
nonxvnonon
nonxwnnonon
nonxynnonon
nonxxnnonon
nonxxxnonon

void>open
(kvwyzx)R L(fts)
nonkfnnonon
nonktnnonon
nonksnnonon
nonvfnnonon
nonvtnonon
nonvsnonon
nonwfnnonon
nonwtnonon
nonwsnonon
nonyfnnonon
nonytnnonon
nonymsnonon
nonzfnnonon
nonztnonon
nonzsnnonon
nonxfnnonon
nonxtnonon
nonxsnnonon

(ctfre) R L(vwyzx)
noncvnonon
noncwnonon
noncynnonon
noncznnonon
noncxnnonon
nontvnonon
nontwnnonon
nontynnonon

nontznnonon
nontxnnonon
nonfvnonon
nonfwnnonon
nonfynnonon
nonfznnonon
nonfxnnonon
nonrvnonon
nonrwnnonon
nonrynonon
nonrznnonon
nonrxnnonon
nonevnonon
nonewnnonon
noneynnonon
noneznnonon
nonexnnonon

open>open
(ctfre) R L(fts)
noncfnonon
nonctnnonon
noncsnnonon
nontfnnonon
nonttnnonon
nontsnnonon
nonffnnonon
nonftnnonon
nonfsnnonon
nonrfnnonon
nonrtnnonon
nonrsnnonon

nonefnnonon
nonetnnonon
nonesnnonon

UPPERCASE

straight>straight
(HMNUIJ)R
L(HMNUIKLPRBEFÐ)
HOHHHHOH
HOHHMHOH
HOHHNHOH
HOHHUHOH
HOHHIHOH
HOHHKHOH
HOHHLHOH
HOHHÐHOH

HOHMHHOH
HOHMMHOH
HOHMNHOH
HOHMUHOH
HOHMIHOH
HOHMKHOH
HOHMLHOH
HOHMÐHOH

HOHNHHOH
HOHNMHOH
HOHNNHOH
HOHNUHOH

HOHNIHOH
HOHNKHOH
HOHNLHOH
HOHNÐHOH

HOHUHHOH
HOHUMHOH
HOHUNHOH
HOHUUHOH
HOHUIHOH
HOHUKHOH
HOHULHOH
HOHUÐHOH

HOHIHHOH
HOHIMHOH
HOHINHOH
HOHIUHOH
HOHIIHOH
HOHIKHOH
HOHILHOH
HOHIÐHOH

HOHJHHOH
HOHJMHOH
HOHJNHOH
HOHJUHOH
HOHJIHOH
HOHJKHOH
HOHJLHOH
HOHJÐHOH

straight>full round
(HMNUIJ)R L (CGOQ)
HOHHOHOH
HOHNOHOH
HOHUOHOH
HOHHCHOH
HOHNCHOH
HOHUCHOH

(DOQF)R
L(HMNUIKLPRBEFÐ)
HOHOUHOH
HOHQUHOH
HOHDUHOH
HOHÐUHOH
HOHOHHOH
HOHQHHOH
HOHDHHOH
HOHÐHHOH
HOHOÐHOH
HOHQÐHOH
HOHDÐHOH
HOHÐÐHOH

straight>small round
(HMNUIJ)R L(S)
OHOHSHOH
OHONSHOH
OHOUHOH

(RBP)R
L(HMNUIKLPRBEFÐ)

HOHRHHOH	HOHHAHOH	OHOHSHOH	full round >full round	HOHOVHOH	(DOQ)R L(TJSZ)
HOHRNHOH	HOHNAHOH	OHO ^N SHOH	(DOQ ^P)R L(CGOQ)	HOHQVHOH	HOHDTHOH
HOHRUHOH	HOH ^U AHOH	OHOUSHOH	HOH ^P OHOH	HOHDYHOH	HOH ^P THOH
HOH ^R ÐHOH			HOHDOHOH	HOH ^P YHOH	HOHOTHOH
HOHBHHOH		(CGSEFLTZ)R	HOHDCHOH	HOHOYHOH	HOHQTHOH
HOHBNHOH	(WVYZXAKR)R	L(HMNUIKLPRBEF ^Ð)	HOHDQHOH	HOHQYHOH	HOHDJHOH
HOHBUHOH	L(HMNUIKLPRBEF ^ʹ)	HOHCUHOH	HOH ^Q OHOH	HOH ^P ZHOH	HOH ^P JHOH
HOHBÐHOH	HOH ^V UHOH	HOHCHHOH	HOHQCHOH	HOHDZHOH	HOHOJHOH
HOHPHHOH	HOHWHHOH	HOHCÐHOH	HOHQQHOH	HOHOZHOH	HOHQJHOH
HOHPNHOH	HOH ^V UHOH	HOHGUHOH		HOHQZHOH	HOHDSHOH
HOHPUHOH	HOHVHHOH	HOHGHHOH	full > small	HOH ^P XHOH	HOH ^P SHOH
HOHPÐHOH	HOHYUHOH	HOH ^G ÐHOH	(DOQ ^P)R L(S)	HOHDXHOH	HOHOSHOH
	HOHYHHOH	HOHSUHOH		HOHOXHOH	HOHQSHOH
	HOHZUHOH	HOHSHHOH	HOH ^P SHOH	HOH ^Q XHOH	HOHDZHOH
straight>void	HOHZHHOH	HOHSÐHOH	HOHDSHOH	HOH ^P AHOH	HOH ^P ZHOH
(HMNUIJ)R	HOHXUHOH	HOHEUHOH	HOHOSHOH	HOHDAHOH	HOHOZHOH
L(WVYZXA)	HOHXHHOH	HOHEHHOH	HOH ^Q SHOH	HOHOAHOH	HOHQZHOH
HOHHVHOH	HOH ^A AHOH	HOHE ^Ð HOH		HOH ^Q AHOH	
HOHNVHOH	HOHAHHOH	HOHFUHOH	(RBP)R L(CGOQ)		(CSEFLTZG)R L(CGOQ)
HOHUVHOH	HOHKUHOH	HOHFHHOH	HOHROHOH	(WVYZXAKR)R	HOHCOHOH
HOHHWHOH	HOHKHHOH	HOHFÐHOH	HOHBOHOH	L(CGOQ)	HOH ^S OHOH
HOHNWHOH	HOHRUHOH	HOHLUHOH	HOHPOHOH	HOHWOHOH	HOHE ^O HOH
HOH ^U WHOH	HOHRHHOH	HOHLHHOH		HOHVOHOH	HOHFOHOH
HOHHYHOH		HOHLÐHOH	full > void	HOHYOHOH	HOHLOHOH
HOHNYHOH	straight>open	HOHT ^U HOH	(DOQ ^P)R L(WVYZXA)	HOHZOHOH	HOHTOHOH
HOH ^U YHOH	(HMNUIJ)R L(TJS)	HOHTHHOH		HOHXOHOH	HOHZOHOH
HOHHZHOH	OHOHTHOH	HOHTÐHOH	HOHDWHOH	HOHAOHOH	HOHGOHOH
HOHNZHOH	OHO ^N THOH	HOHZUHOH	HOH ^P WHOH	HOHKOHOH	
HOHUZHOH	OHO ^U THOH	HOHZHHOH	HOH ^O WHOH	HOH ^R OHOH	
HOHHXHOH	OHOHJHOH	HOHZÐHOH	HOHQWHOH		small>small
HOHNXHOH	OHO ^N JHOH		HOH ^P VHOH		(RBP)R L(S)
HOHUXHOH	OHO ^U JHOH		HOHDVHOH	full>open	HOH ^R SHOH

HOHBSHOH
HOHPSHOH

small>void
(RBP)R L(WVYZXA)

HOHRWHOH
HOHRVHOH
HOHRYHOH
HOHRZHOH
HOHRXHOH
HOHRAHOH
HOHRAEHOH

HOHBWHOH
HOHBVHOH
HOHBYHOH
HOHBZHOH
HOHBXHOH
HOHBAHOH
HOHBAEHOH

HOHPWHOH
HOHPVHOH
HOHPYHOH
HOHPZHOH
HOHPXHOH
HOHPAHOH
HOHPAEHOH

(WVYZXAKR)R L(S)

HOHWSHOH
HOHVSHOH
HOHYSHOH
HOHZSHOH
HOHXSHOH
HOHASHOH
HOHKSHOH
HOHRSHOH

small>open
(RBP)R L(TJSZ)

HOHRTHOH
HOHRTHOH
HOHRTHOH
HOHRJHOH
HOHRJHOH
HOHRJHOH
HOHRSHOH
HOHRSHOH
HOHRSHOH
HOHRZHOH
HOHRZHOH
HOHRZHOH

HOHBTHOH
HOHBTHOH
HOHBTHOH

HOHBJHOH
HOHBJHOH
HOHBJHOH
HOHBSHOH
HOHBSHOH
HOHBSHOH
HOHBZHOH
HOHBZHOH
HOHBZHOH

HOHPTHOH
HOHPTHOH
HOHPTHOH
HOHPJHOH
HOHPJHOH
HOHPJHOH
HOHPSHOH
HOHPSHOH
HOHPSHOH
HOHPZHOH
HOHPZHOH
HOHPZHOH

(CGSEFLTZ)R L(TJSZ)

HOHCSHOH
HOHGSHOH
HOHSSHOH
HOHESHOH
HOHFSHOH
HOHLSHOH
HOHTSHOH

HOHZSHOH

HOHCTHOH
HOHGTHOH
HOHSTHOH
HOHETHOH
HOHFTHOH
HOHLTHOH
HOHTTHOH
HOHZTHOH

HOHCJHOH
HOHGJHOH
HOHSJHOH
HOHEJHOH
HOHFJHOH
HOHLJHOH
HOHTJHOH
HOHZJHOH

HOHCZHOH
HOHGZHOH
HOHSZHOH
HOHEZHOH
HOHFZHOH
HOHLZHOH
HOHTZHOH
HOHZZHOH

void>void
(WVYZXA KR)R
L(WVYZXA)

HOHWWHOH HWWWH
HOHWVHOH HWVWH
HOHWYHOH HWYWH
HOHWZHOH HWZWH
HOHWXHOH HWXWH
HOHWAHOH HWAWH
HOHWÆHOH HWAÆWH

HOHVWHOH HVWVH
HOHVVHOH HVVVH
HOHVVHOH HVVYH
HOHVZHOH HVZVH
HOHVXHOH HVXVH
HOHVAHOH HVAVH

HOHYWHOH HYWYH
HOHYVHOH HYVYH
HOHYWHOH HYYYH
HOHYZHOH HYZYH
HOHYXHOH HYXYH
HOHYAHOH HYAYH

HOHZWHOH HZWZH
HOHZVHOH HZVZH
HOHZYHOH HZYZH

HOHZZHOH HZZZH
HOHZXHOH HZXZH
HOHZAHOH HZAZH

HOHXWHOH HXWXH
HOHXVHOH HXVXH
HOHXYHOH HXYXH
HOHXZHOH HXZXH
HOHXXHOH HXXXH
HOHXAHOH HXAXH

HOHAWHOH HAWAH
HOHAVHOH HAVAH
HOHAYHOH HAYAH
HOHAZHOH HAZAH
HOHAXHOH HAXAH
HOHAAHOH HAAAH

void>open
(WVYZXAKR)R L(TJS)

HOHWTHOH
HOHWJHOH
HOHWSHOH

HOHVTHOH
HOHVJHOH
HOHVSHOH

HOHYTHOH
HOHYJHOH
HOHYSHOH

	HOHSYHOH HSYSH	HOHTAHOH HTATH	HOHLZHOH	nonUinono	nonPnnono
HOHZTHOH	HOHSVHOH HSVSH		HOHTTHOH	nonHjnono	nonPpnono
HOHZJHOH	HOHSZHOH HSZSH	HOHZWHOH HZWZH	HOHTJHOH	nonNjnono	nonDunono
HOHZSHOH	HOHSXHOH HSXSH	HOHZYHOH HYZZH	HOHTSHOH	nonUjnono	nonDbnono
	HOHSAHOH HSASH	HOHZVHOH HZVZH	HOHTZHOH	nonHpnono	nonDjnono
HOHXTHOH		HOHZZHOH HZZZH	HOHZTHOH	nonNpnono	nonDnnono
HOHXJHOH	HOHEWHOH	HOHZXHOH HZXZH	HOHZJHOH	nonUpnono	nonDpnono
HOHXSHOH	HOHEYHOH	HOHZAHOH HZAZH	HOHZSHOH	nonHhnono	nonOunono
	HOHEVHOH		HOHZZHOH	nonNhnono	nonObnono
HOHATHOH	HOHEZHOH			nonUhnono	nonOjnono
HOHAJHOH	HOHEXHOH	open>open	UPPERCASE >		nonOnnono
HOHASHOH	HOHEAHOH	(CSEFLTZ)R L(TJZ)	Lowercase	straight>full round	nonOpnono
				(HMINUJ)R L (ceodqgđ)	nonQunono
HOHKTHOH HKTXH	HOHFWHOH	HOHCTHOH	straight>straight		nonQbnono
HOHKJHOH HKJXH	HOHFYHOH	HOHCJHOH		nonHonono	nonQjnono
HOHKSHOH HKSXH	HOHFBVHOH	HOHCSHOH		nonNonono	nonQnnono
	HOHFZHOH	HOHCZHOH	(HMINUJ)R	nonUonono	nonQpnono
HOHRTHOH HRTXH	HOHFXHOH	HOHSTHOH	L(ublijphmnr)	nonHdnono	
HOHRJHOH HRJXH	HOHFAHOH	HOHSJHOH		nonHnnono	
HOHRSHOH HRSXH		HOHSSH OH		nonNnnono	straight>small round
	HOHLWHO H	HOHSZHOH		nonUnnono	(HMNUIJ)R L(as)
(CSEFLTZ)R	HOHLYHOH	HOHETHOH		nonHunono	nonHanono
L(WVYZXA)	HOHLVHOH	HOHEJHOH		nonNunono	nonNanono
	HOHLZHOH	HOHESH OH		nonUunono	nonUanono
HOHCWHO H	HOHLXHOH	HOHEZHOH		nonHbnono	nonHsnono
HOHCYHOH	HOHLAHOH	HOHFTHOH		nonNbnono	nonNsnono
HOHCVHOH		HOHFJHOH		nonUbnono	nonUsnono
HOHCZHOH	HOHTWHO H	HOHFSHOH		nonHjnono	
HOHCXHOH	HOHTYHOH HTYTH	HOHFZHOH		nonNjnono	(DOQ)R L(ublijphmnr)
HOHCAHOH	HOHTVHOH HTVTH	HOHLTHOH		nonUjnono	
	HOHTZHOH HTZTH	HOHLJHOH		nonHinono	
HOHSWHO H	HOHTXHOH HTXTH	HOHLSHOH		nonNinono	nonRunono
					nonRbnono

nonRjnono	nonHynono	nonZbnono	nonHfnono	(DOQ)R L (ceodqgð)	
nonRnnono	nonNynono	nonZjnono	nonNfnono	nonFunono	
nonRpnono	nonUynono	nonZnnono	nonUfnono	nonFbnono	nonDonono
	nonHznono	nonZpnono		nonFjnono	nonDdnono
nonBunono	nonNznono		nonHtnono	nonFnnono	nonDgnono
nonBbnono	nonUznono	nonXunono	nonNtnono	nonFpnono	nonDðnono
nonBjnono	nonHxnono	nonXbnono	nonUtnono		nonPonono
nonBnnono	nonNxnono	nonXjnono		nonLunono	nonPdnono
nonBpnono	nonUxnono	nonXnnono	nonHsnono	nonLbnono	nonPgnono
		nonXpnono	nonNsnono	nonLjnono	nonPðnono
nonPunono	(WVYZXAKR)R	nonAunono	nonUsnono	nonLnnono	nonOonono
nonPbnono	L(ublijphmnr)	nonAbnono		nonLpnono	nonOdnono
nonPjnono		nonAjnono	(CSEFLTZ)R		nonOgnono
nonPnnono	nonWunono	nonAnnono	L(ublijphmnr)	nonTunono	nonOðnono
nonPpnono	nonWbnono	nonApnono		nonTbnono	nonQonono
	nonWjnono		nonCunono	nonTjnono	nonQdnono
nonGunono	nonWnnono	nonKunono	nonCbnono	nonTnnono	nonQgnono
nonGbnono	nonWpnono	nonKbnono	nonCjnono	nonTpnono	nonQðnono
nonGjnono		nonKjnono	nonCnnono		
nonGnnono	nonVunono	nonKnnono	nonCpnono	nonZunono	full > small
nonGpnono	nonVbnono	nonKpnono		nonZbnono	(DOQ)R L(as)
	nonVjnono		nonSunono	nonZjnono	
straight>void	nonVnnono	nonRunono	nonSbnono	nonZnnono	nonDanono
(HMNUIJ)R L(vwyzx)	nonVpnono	nonRbnono	nonSjnono	nonZpnono	nonDsnono
		nonRjnono	nonSnnono		nonPanono
nonHvnono	nonYunono	nonRnnono	nonSpnono	nonZhnono	nonPsnono
nonNvnono	nonYbnono	nonRpnono		nonZhnono	nonOanono
nonUvnono	nonYjnono		nonEunono	nonZhnono	nonOsnono
nonHwnono	nonYnnono		nonEbnono	nonZhnono	nonQanono
nonNwnono	nonYpnono	straight>open	nonEjnono	nonZhnono	nonQsnono
nonUwnono		(HMNUIJ)R L(fts)	nonEnnono		
	nonZunono		nonEpnono	full round >full round	(RBP)R L (ceodqg)

	nonOwnono	nonZðnono	nonDsnono	nonLonono	nonRynono
nonRonono	nonOynono			nonLdnono	nonRznono
nonRdnono	nonOznono	nonZonono	nonOfnono	nonLgnono	nonRxnono
nonRgnono	nonOxnono	nonZdnono	nonOtnono	nonLðnono	
nonRðnono		nonZgnono	nonOsnono		nonBvnono
	nonQvnono	nonZðnono		nonTonono	nonBwnono
nonBonono	nonQwnono		nonQfnono	nonTdnono	nonBynono
nonBdnono	nonQynono	nonXonono	nonQtnono	nonTgnono	nonBznono
nonBgnono	nonQznono	nonXdnono	nonQsnono	nonTðnono	nonBxnono
nonBðnono	nonQxnono	nonXgnono			
		nonXðnono	(CSEFLTZ)R L (ceodqgð)	nonZonono	nonPvnono
nonPonono	(WVYZXAKR)R L			nonZdnono	nonPwnono
nonPdnono	(ceodqgð)	nonAonono	nonConono	nonZgnono	nonPynono
nonPgnono		nonAdnono	nonCdnono	nonZðnono	nonPznono
nonPðnono	nonWonono	nonAgnono	nonCgnono		nonPxnono
	nonWdnono	nonAðnono	nonCðnono	small>small	
full > void	nonWgnono			(RBPG)R L(as)	nonGvnono
(DOQ)R L(vwyzx)	nonWðnono	nonKonono	nonSonono		nonGwnono
		nonKdnono	nonSdnono	nonRanono	nonGynono
nonDvnono	nonVonono	nonKgnono	nonSgnono	nonRsnono	nonGznono
nonDwnono	nonVdnono	nonKðnono	nonSðnono	nonBanono	nonGxnono
nonDynono	nonVgnono			nonBsnono	
nonDznono	nonVðnono	nonRonono	nonEonono	nonPanono	(WVYZXAKR)R L(as)
nonDxnono		nonRdnono	nonEdnono	nonPsnono	
	nonYonono	nonRgnono	nonEgnono	nonGanono	nonWanono
nonFvnono	nonYdnono	nonRðnono	nonEðnono	nonGsnono	nonWsnono
nonFwnono	nonYgnono				nonVanono
nonFynono	nonYðnono	full>open	nonFonono		nonVsnono
nonFznono		(DOQ)R L(fts)	nonFdnono	small>void	nonYanono
nonFxnono	nonZonono		nonFgnono	(RBPG)R L(vwyzx)	nonYsnono
	nonZdnono	nonDfnono	nonFðnono	nonRvnono	nonZanono
nonOvnono	nonZgnono	nonDtnono		nonRwnono	nonZsnono

nonXanono	nonSsnono	nonYznono		nonCwnono	nonTznono
nonXsnono	nonSanono	nonYxnono	void>open	nonCynono	nonTxnono
nonAanono	nonEsnono		(WVYZXAKR)R L(fts)	nonCznono	
nonAsnono	nonEanono	nonZvnono		nonCxnono	nonZvnono
nonKanono	nonFsnono	nonZwnono	nonWfnono		nonZwnono
nonKsnono	nonFanono	nonZynono	nonWtnono	nonSvnono	nonZynono
nonRanono	nonLsnono	nonZznono	nonWsnono	nonSwnono	nonZznono
nonRsnono	nonLanono	nonZxnono	nonVfnono	nonSynono	nonZxnono
	nonTsnono		nonVtnono	nonSznono	
small>open	nonTanono	nonXvnono	nonVsnono	nonSxnono	open>open
(RBPG)R L(fts)	nonZsnono	nonXwnono	nonYfnono		(CSEFLTZ)R L(fts)
	nonZanono	nonXynono	nonYtnono	nonEvnono	
nonRfnono		nonXznono	nonYsnono	nonEwnono	nonCfnono
nonRtnono	void>void	nonXxnono	nonZfnono	nonEynono	nonCtnono
nonRsnono	(WVYZXAKR)R		nonZtnono	nonEznono	nonCsnono
	L(vwyzx)	nonAvnono	nonZsnono	nonExnono	nonSfnono
nonBfnono		nonAwnono	nonXfnono		nonStnono
nonBtnono	nonWvnono	nonAynono	nonXtnono	nonFvnono	nonSsnono
nonBsnono	nonWwnono	nonAznono	nonXsnono	nonFwnono	nonEfnono
	nonWynono	nonAxnono	nonAfnono	nonFynono	nonEtnono
nonPfnono	nonWznono		nonAtnono	nonFznono	nonEsnono
nonPtnono	nonWxnono	nonKvnono	nonAsnono	nonFxnono	nonFfnono
nonPsnono		nonKwnono	nonKfnono		nonFtnono
	nonVvnono	nonKynono	nonKtnono	nonLvnono	nonFsnono
nonGfnono	nonVwnono	nonKznono	nonKsnono	nonLwnono	nonLfnono
nonGtnono	nonVynono	nonKxnono	nonRfnono	nonLynono	nonLtnono
nonGsnono	nonVznono		nonRtnono	nonLznono	nonLsnono
	nonVxnono	nonRvnono	nonRsnono	nonLxnono	nonTfnono
(CSEFLTZ)R L(as)		nonRwnono			nonTtnono
	nonYvnono	nonRynono	(CSEFLTZ)R L(vwyzx)	nonTvnono	nonTsnono
nonCsnono	nonYwnono	nonRznono		nonTwnono	nonZfnono
nonCanono	nonYynono	nonRxnono	nonCvnono	nonTynono	nonZtnono

nonZsnono	(udlijgqhmna)R L(S)		nonkHnono	nonjJnono	full > small
		nonnYnono	nonkUnono	nonuJnono	(bpo)R L(S)
	nonnSnono	nonqYnono	nonkĐnono	nonaJnono	
Lowercase >	nonqSnono	noniYnono	nonvHnono		nonoSnono
UPPERCASE	noniSnono	nonjYnono	nonvUnono	nonnSnono	nonpSnono
	nonjSnono	nonuYnono	nonvĐnono	nonqSnono	nonbSnono
straight>full round	nonuSnono	nonaYnono	nonwHnono	noniSnono	
(udlijqhmna)R L (CGOQ)	nonaSnono		nonwUnono	nonjSnono	(as) R L(CGOQ)
nonnOnono		nonnZnono	nonwĐnono	nonuSnono	
nonqOnono	(s)R	nonqZnono	nonyHnono	nonaSnono	nonaOnono
noniOnono	L(HMNUIKLPRBEF)	noniZnono	nonyUnono		nonsOnono
nonjOnono		nonjZnono	nonyĐnono	(ctfr) R	
nonuOnono	nonsHnono	nonuZnono	nonzHnono	L(HMNUIKLPRBEF)	full > void
nonaOnono	nonsUnono	nonaZnono	nonzUnono		(bpođ)R L(WVYZXA)
			nonzĐnono	noncHnono	(kvwyzx)R L(CGOQ)
(bpo)R	straight>void	nonnXnono	nonxHnono	noncUnono	
L(HMNUIKLPRBEFĐ)	(udlijgqhmna)R	nonqXnono	nonxUnono	nonfHnono	nonoWnono
	L(WVYZXA)	noniXnono	nonxĐnono	nonfUnono	nonpWnono
nonoHnono		nonjXnono		nontHnono	nonbWnono
nonpHnono	nonnWnono	nonuXnono	straight>open	nontUnono	nonđWnono
nonbHnono	nonqWnono	nonaXnono	(udlijgqhmna)R L(TJS)	nonrHnono	nonoVnono
nonđHnono	noniWnono			nonrUnono	nonpVnono
nonoUnono	nonjWnono	nonnAnono	nonnTnono		nonbVnono
nonpUnono	nonuWnono	nonqAnono	nonqTnono		nonđVnono
nonbUnono	nonaWnono	noniAnono	noniTnono		nonoYnono
nonđUnono		nonjAnono	nonjTnono	full round >full round	nonpYnono
nonoĐnono	nonnVnono	nonuAnono	nonuTnono	(bpoe)R L(CGOQ)	nonbYnono
nonpĐnono	nonqVnono	nonaAnono	nonaTnono		nonđYnono
nonbĐnono	noniVnono			nonoOonono	nonoZnono
nonđĐnono	nonjVnono	(kvwyzx)R	nonnJnono	nonpOonono	nonpZnono
	nonuVnono	L(HMNUIKLPRBEFĐ)	nonqJnono	nonbOonono	nonbZnono
straight>small round	nonaVnono		noniJnono		nonđZnono

nonoXnono	nonrOnono		nonkZnono	nonvJnono	nonfZnono
nonpXnono		(ctfr) R L(S)	nonvZnono	nonwJnono	nonrZnono
nonbXnono	small>small		nonwZnono	nonyJnono	
nonðXnono	(s)R L(S)	noncSnono	nonyZnono	nonzJnono	noncXnono
nonoAnono		nonTnono	nonzZnono	nonxJnono	nonTnono
nonpAnono	nonsSsnono	nonfSnono	nonxZnono		nonfXnono
nonbAnono		nonrSnono		nonkSnono	nonrXnono
nonðAnono	small>void		nonkXnono	nonvSnono	
	(s)R L(WVYZXA)	void>void	nonvXnono	nonwSnono	noncAnono
full>open		(kvwyzx)R L(WVYZXA)	nonwXnono	nonySnono	nonTAnono
(bpoð)R L(TJS)	nonsWnono		nonyXnono	nonzSnono	nonfAnono
	nonsVnono	nonkWnono	nonzXnono	nonxSnono	nonrAnono
nonoTnono	nonsYnono	nonvWnono	nonxXnono		
nonpTnono	nonsZnono	nonwWnono		(ctfr) R L(WVYZXA)	
nonbTnono	nonsXnono	nonyWnono	nonkAnono		open>open
nonðTnono	nonsAnono	nonzWnono	nonvAnono	noncWnono	(ctfr) R L(TJS)
		nonxWnono	nonwAnono	nonTnono	
nonoJnono	(kvwyzx)R L(S)		nonyAnono	nonfWnono	noncTnono
nonpJnono		nonkVnono	nonzAnono	nonrWnono	nonTnono
nonbJnono	nonkSnono	nonvVnono	nonxAnono		nonfTnono
nonðJnono	nonvSnono	nonwVnono		noncVnono	nonrTnono
	nonwSnono	nonyVnono	void>open	nonTnono	
nonoSnono	nonySnono	nonzVnono	(kvwyzx)R L(TJS)	nonfVnono	noncJnono
nonpSnono	nonzSnono	nonxVnono		nonrVnono	nonTnono
nonbSnono	nonxSnono		nonkTnono		nonfJnono
nonðSnono		nonkYnono	nonvTnono	noncYnono	nonrJnon
	small>open	nonvYnono	nonwTnono	nonTYnono	
(ctfr) R L(CGOQ)	(s)R L(TJS)	nonwYnono	nonyTnono	nonfYnono	noncSnono
		nonyYnono	nonzTnono	nonrYnono	nonTSnono
noncOnono	nonsTsnono	nonzYnono	nonxTnono		nonfSnono
nonfOnono	nonsJnono	nonxYnono		noncZnono	nonrSnono
nonTOnono	nonsSsnono		nonkJnono	nonTZnono	

	001800	(1) R L(239)		000400	
Figures			full round >small round	009400	(654)R L (06)
	111911	111211	(09) R L(98)		
straight > straight	111811	111311			116011
001100		111911	110911	(72)R L (06)	116611
111111	(8356) R L (1)		110811		115011
HH11HH		001200	119911	117011	115611
nn11nn	008100	001300	119811	117611	114011
	003100	001900		112011	114611
straight>full round	005100		000900	112611	
(1) R L (06)	006100	(654)R L(1)	000800		006000
			009900	007000	006600
001000	118111	116111	009800	007600	005000
001600	113111	115111		002000	005600
	115111	114111	L(98) L (06)	002600	004000
111011	116111				004600
111611		006100	119011	full > open	
	straight>void	005100	119611	(09) R L(239)	small > small
	(1) R L(4)	004100	118011		(8356) R L(98)
(09) R L (1)			118611	110211	
	111411	full round >full round		110311	118911
009100	001400	(09) R L (06)	009000	110911	118811
000100			009600	119211	113911
	(72)R L (1)	110011	008000	119311	113811
119111		110611	008600	119911	115911
110111	117111	119011			115811
	112111	119611	full > void	000200	116911
			(09) R L(4)	000300	116811
straight>small round	007100	000000		000900	
(1) R L(98)	002100	000600	110411	009200	008900
		009000	119411	009300	008800
001900	straight>open	009600		009900	003900

003800		006200	(72)R L(239)	116311
005900	small > open	006300		116911
005800	(8356) R L(239)	006900	117211	115211
006900			117311	115311
006800	118211		117911	115911
	118311		112211	114211
	118911	(654)R L(98)	112311	114311
small > void			112911	114911
(8356) R L(4)	113211	116911		
	113311	116811	007200	006200
118411	113911	115911	007300	006300
113411		115811	007900	006900
115411	115211	114911	002200	005200
116411	115311	114811	002300	005300
	115911		002900	005900
008400		006900		004200
003400	116211	006800		004300
005400	116311	005900		004900
006400	116911	005800	(654)R L(4)	
		004900		
	008200	004800	116411	collisions U>L & L>U
(72)R L(98)	008300		115411	
	008900	void > void	114411	fT fY
117911		(72)R L(4)		Qj Qy Qp Qj Fl tA gT gV
112911	003200		006400	gX
117811	003300	117411	005400	
112811	003900	112411	004400	jj, jy, qj, qg, gg, gp, gy,
				fh, fk, fl, fb, fi, fj, ff, ft
007900	005200	007400	open > open	
002900	005300	002400	(654)R L(239)	L4 F7 6T T7
007800	005900			
002800		void > open	116211	