

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  
nonvppnono  
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	nonbntnono	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	nonkǎdnono	nonoanono	(s)R L(vwyžx)	nonfanonon
	nonbvnono	nonvǎdnono	nonpaonon	nonsvnonon	nonfsnonon
nonocnono	nongvnono	nonwǎdonon	nonbanono	nonswnonon	nonranonon
nonoenono	nonownono	nonyǎdonon		nonsynonon	nonrsnonon
nonognono	nonpwonon	nonzǎdnnonon	(ctfre) R L (ceodqgǎ)	nonsznonon	noneanonon
nonoǎnono	nonbwnono	nonxǎdnnonon	noncononon	nonsxnonon	nonesnonon
nonpdonon	nongwnono	nonkǎgnono	noncdnonon		
nonooonon	nonoynono		noncgnonon	(kvwyžx)R L(as)	void>void

(kvwyzx)R L(vwyzx)

nonkvnonon

nonkwnonon

nonkynonon

nonkznonon

nonkxnonon

nonvvnonon

nonvwnonon

nonvynonon

nonvznonon

nonvxnonon

nonwvnonon

nonwwnonon

nonwynonon

nonwznonon

nonwxnonon

nonyvnonon

nonywnonon

nonyynonon

nonyznonon

nonyxnonon

nonzvnonon

nonzwnonon

nonzynonon

nonzznonon

nonzxnonon

nonxvnonon

nonxwnonon

nonxynonon

nonxznonon

nonxxnonon

void>open

(kvwyzx)R L(fts)

nonkfnonon

nonktnonon

nonksnonon

nonvfnonon

nonvtnonon

nonvsnonon

nonwfnonon

nonwtnonon

nonwsnonon

nonyfnonon

nonytnonon

nonysnonon

nonzfnonon

nonztnonon

nonzsnonon

nonxfnonon

nonxtnonon

nonxsnonon

(ctfre) R L(vwyzx)

noncvnonon

noncwnonon

noncynonon

noncznonon

noncxnonon

nontvnonon

nontwnonon

nontynonon

nontznonon

nontxnonon

nonfvnonon

nonfwnonon

nonfynonon

nonfznonon

nonfxnonon

nonrvnonon

nonrwnonon

nonrynonon

nonrznonon

nonrxnonon

nonevnonon

nonewnonon

noneynonon

noneznonon

nonexnonon

open>open  
(ctfre) R L(fts)

noncfnonon

nonctnonon

noncsnonon

nontfnonon

nonttnonon

nontsnonon

nonffnonon

nonftnonon

nonfsnonon

nonrfnonon

nonrtnonon

nonrsnonon

nonefnonon

nonetnonon

nonesnonon

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

HOH DUHOH

HOHÐUHOH

HOHOHHOH

HOHQHHOH

HOHDHHOH

HOHÐHHOH

HOHOÐHOH

HOHQÐHOH

HOHDÐHOH

HOHÐÐHOH

straight>small round

(HMNUIJ)R L(S)

OHOHSHOH

OHONSHOH

OHOUSHOH

(RBP)R

L(HMNUIKLPRBEFÐ)

HOHRHHOH	HOHHAHOH	OHOHSHOH	full round >full round	HOHOVHOH	(DOQ)R L(TJSZ)
HOHRNHOH	HOHNAHOH	OHO <sup>N</sup> SHOH	(DOQ <sup>Þ</sup> )R L(CGOQ)	HOHQVHOH	HOHDTHOH
HOHRUHOH	HOH <sup>U</sup> AHOH	OHOUSHOH	HOH <sup>Þ</sup> OH OH	HOHDYHOH	HOH <sup>Þ</sup> THOH
HOH <sup>R</sup> ÐHOH			HOHDOHOH	HOH <sup>Þ</sup> YHOH	HOHOTHOH
HOHBHHOH		(CGSEFLTZ)R	HOHDCHOH	HOHOYHOH	HOHQTHOH
HOHBNHOH	(WVYZXAKR)R	L(HMNUIKLPRBEF <sup>Ð</sup> )	HOHDQHOH	HOHQYHOH	HOHDJHOH
HOHBUHOH	L(HMNUIKLPRBEF <sup>Þ</sup> )	HOHCUHOH	HOH <sup>Q</sup> OH OH	HOH <sup>Þ</sup> ZHOH	HOH <sup>Þ</sup> JHOH
HOHBÐHOH	HOH <sup>V</sup> UHOH	HOHCHHOH	HOHQCHOH	HOHDZHOH	HOHOJHOH
HOHPHHOH	HOHWHHOH	HOHCÐHOH	HOHQQHOH	HOHOZHOH	HOHQJHOH
HOHPNHOH	HOH <sup>V</sup> UHOH	HOHGUHOH		HOHQZHOH	HOHDSHOH
HOHPUHOH	HOHVHHOH	HOHGHHOH	full > small	HOH <sup>Þ</sup> XHOH	HOH <sup>Þ</sup> SHOH
HOHPÐHOH	HOHYUHOH	HOH <sup>G</sup> ÐHOH	(DOQ <sup>Þ</sup> )R L(S)	HOHDXHOH	HOHOSHOH
	HOHYHHOH	HOHSUHOH		HOHOXHOH	HOHQSHOH
	HOHZUHOH	HOHSHHOH	HOH <sup>Þ</sup> SHOH	HOH <sup>Q</sup> XHOH	HOHDZHOH
straight>void	HOHZHHOH	HOHSÐHOH	HOHDSHOH	HOH <sup>Þ</sup> AHOH	HOH <sup>Þ</sup> ZHOH
(HMNUIJ)R	HOHXUHOH	HOHEUHOH	HOHOSHOH	HOHDAHOH	HOHOZHOH
L(WVYZXA)	HOHXHHOH	HOHEHHOH	HOH <sup>Q</sup> SHOH	HOHOAHOH	HOHQZHOH
HOHHVHOH	HOH <sup>A</sup> AHOH	HOHE <sup>Ð</sup> HOH		HOH <sup>Q</sup> 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 <sup>S</sup> OH OH
HOHNWHOH	HOHRUHOH	HOHLUHOH	HOHPOHOH	HOHWOHOH	HOHE <sup>O</sup> OH OH
HOH <sup>U</sup> WHOH	HOHRHHOH	HOHLHHOH		HOHVOHOH	HOHFOHOH
HOHHYHOH		HOHLÐHOH	full > void	HOHYOH OH	HOHLOHOH
HOHNYHOH	straight>open	HOHT <sup>U</sup> HOH	(DOQ <sup>Þ</sup> )R L(WVYZXA)	HOHZOH OH	HOHTOH OH
HOH <sup>U</sup> YHOH	(HMNUIJ)R L(TJS)	HOHTHHOH		HOHXOH OH	HOHZOH OH
HOHHZHOH	OHOHTHOH	HOHTÐHOH	HOHDWHOH	HOHAOH OH	HOHGOHOH
HOHNZHOH	OHOINTHOH	HOHZUHOH	HOH <sup>Þ</sup> W <sup>H</sup> HOH	HOHKOHOH	
HOHUZHOH	OHOUTHOH	HOHZHHOH	HOH <sup>O</sup> W <sup>H</sup> HOH	HOH <sup>R</sup> OH OH	
HOHHXHOH	OHOHJHOH	HOHZÐHOH	HOHQW <sup>H</sup> HOH		small>small
HOHNXHOH	OHOIJHOH		HOH <sup>Þ</sup> VHOH		(RBP)R L(S)
HOHUXHOH	OHOIJHOH		HOHDVHOH	full>open	HOH <sup>R</sup> SHOH

HOHBSHOH		HOHBJHOH	HOHZSHOH		HOHZZHOH HZZZH
HOHPSHOH		HOHBJHOH		void>void	HOHZXHOH HZXZH
	HOHWSHOH	HOHBJHOH		(WVYZXA KR)R	HOHZAHOH HZAZH
small>void	HOHVSHOH	HOHBSHOH	HOHCTHOH	L(WVYZXA)	
(RBP)R L(WVYZXA)	HOHYSHOH	HOHBSHOH	HOHGTHOH		HOHXWHOH HXWXH
	HOHZSHOH	HOHBSHOH	HOHSTHOH		HOHXVHOH HXVXH
HOHRWHOH	HOHXSHOH	HOHBZHOH	HOHETHOH	HOHWWHOH HWWWH	HOHXYHOH HXYXH
HOHRVHOH	HOHASHOH	HOHBZHOH	HOHFTHOH	HOHWVHOH HWVWH	HOHXZHOH HXZXH
HOHRYHOH	HOHKSHOH	HOHBZHOH	HOHLTHOH	HOHWYHOH HWYWH	HOHXXHOH HXXXH
HOHRZHOH	HOHRSHOH		HOHTTHOH	HOHWZHOH HWZWH	HOHXAHOH HXAXH
HOHRXHOH		HOHPTHOH	HOHZTHOH	HOHWXHOH HWXWH	
HOHRAHOH		HOHPTHOH		HOHWAHOH HWAWH	HOHAWHOH HAWAH
HOHRAEHOH	small>open	HOHPTHOH		HOHWÆHOH HWAÆWH	HOHAVHOH HAVAH
	(RBP)R L(TJSZ)	HOHPJHOH	HOHCJHOH		HOHAYHOH HAYAH
HOHBWHOH		HOHPJHOH	HOHGJHOH		HOHAZHOH HAZAH
HOHBVHOH		HOHPJHOH	HOHSJHOH	HOHVWHOH HVWVH	HOHAXHOH HAXAH
HOHBYHOH	HOHRTHOH	HOHPJHOH	HOHEJHOH	HOHVVHOH HVVVH	HOHAAHOH HAAAH
HOHBZHOH	HOHRTHOH	HOHPJHOH	HOHFJHOH	HOHVVHOH HVVYH	
HOHBXHOH	HOHRTHOH	HOHPJHOH	HOHLJHOH	HOHVZHOH HVZVH	void>open
HOHBAHOH	HOHRJHOH	HOHPJHOH	HOHTJHOH	HOHVXHOH HVXVH	(WVYZXAKR)R L(TJS)
HOHBAEHOH	HOHRJHOH	HOHPJHOH	HOHZJHOH	HOHVAHOH HVAVH	
	HOHRJHOH	HOHPJHOH			HOHWTHOH
HOHPWHOH	HOHRSHOH	HOHPJHOH		HOHYWHOH HYWYH	HOHWJHOH
HOHPVHOH	HOHRSHOH	HOHPJHOH	HOHCZHOH	HOHYVHOH HYVYH	HOHWSHOH
HOHPYHOH	HOHRSHOH	(CGSEFLTZ)R L(TJSZ)	HOHGZHOH	HOHYYHOH HYYYH	
HOHPZHOH	HOHRZHOH	HOHCSHOH	HOHSZHOH	HOHYZHOH HYZYH	HOHVTHOH
HOHPXHOH	HOHRZHOH	HOHGSHOH	HOHEZHOH	HOHYXHOH HYXYH	HOHVJHOH
HOHPAHOH	HOHRZHOH	HOHSSHOH	HOHFZHOH	HOHYAHOH HYAYH	HOHVSHOH
HOHPÆHOH		HOHESHOH	HOHLZHOH		
	HOHBTHOH	HOHFSHOH	HOHTZHOH	HOHZWHOH HZWZH	HOHYTHOH
	HOHBTHOH	HOHLSHOH	HOHZZHOH	HOHZVHOH HZVZH	HOHYJHOH
(WVYZXAKR)R L(S)	HOHBTHOH	HOHTSHOH		HOHZYHOH HZYZH	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	HOHESHOH		nonUunono	nonUanono
HOHCWHO H	HOHLXHOH	HOHEZHOH		nonHbnono	nonHsnono
HOHCYHOH	HOHLAHOH	HOHFTHOH		nonNbnono	nonNsnono
HOHCVHOH		HOHFJHOH		nonUbnono	nonUsnono
HOHCZHOH	HOHTWHO H HTWTH	HOHFSHOH		nonHjnono	
HOHCXHOH	HOHTYHOH HTYTH	HOHFZHOH		nonNjnono	(DOQ)R L(ublijphmnr)
HOHCAHOH	HOHTVHOH HTVTH	HOHLTHOH		nonUjnono	
	HOHTZHOH HTZTH	HOHLJHOH		nonHinono	
HOHSWHO H HSWSH	HOHTXHOH HTXTH	HOHLSHOH	nonNinono	nonPunono	nonRunono
				nonPbnono	nonRbnono
				nonPjnono	

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		nonFonono
nonBnnono	nonNxnono	nonXjnono		nonLunono	nonFdnono
nonBpnono	nonUxnono	nonXnnono	nonHsnono	nonLbnono	nonFgnono
		nonXpnono	nonNsnono	nonLjnono	nonFðnono
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		nonFanono
nonHvnono	nonYunono	nonRnnono	nonSpnono	nonZhnono	nonFsnono
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		(CSEFLT'Z)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
(CSEFLT'Z)R L(as)		nonRwnono			nonTtnono
	nonYvnono	nonRynono	(CSEFLT'Z)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

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

	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	