

LOWERCASE

straight>straight  
(udlijqhmna)R  
L(ublijphmnr)

nonnnnono  
nonnunono  
nonnbnono  
nonninono  
nonn**j**nono  
nonnpnono  
nonu**u**nono  
nonubnono  
nonuinono  
nonujnono  
nonupnono  
nonunnono  
nonqunono  
non**q**bnono  
nonqinono  
nonqjnono  
non**q**pnono  
nonqnnono  
non**j**unono  
nonjbnono  
nonjinono  
nonjjnono  
nonjpnono  
nonjnnono  
nonnunono  
nonnbnono

nonninono  
nonnjnono  
nonnpnono  
nonnnnono  
nonaunono  
nonabnono  
nonainono  
nonajnono  
nonapnono  
nonannono  
noniunono  
nonibnono  
noniinono  
nonijnono  
nonipnono  
noninnono  
  
straight>full round  
(udlijqhmna)R L  
(ceodqgð)  
nonuonono  
nonu**g**nono  
nonuðnono  
nonqonono  
non**q**gnono  
nonqðnono  
non**j**onono  
nonjgnono  
non**j**ðnono  
nonionono  
nonignono

non**i**ðnono  
nonnonono  
nonngnono  
nonnðnono  
nononono  
  
(bpo)R L(ublijphmnr)  
nonounono  
non**o**bnono  
nonojonon  
non**o**ionon  
nonononon  
  
straight>small round  
(udlijqhmna)R L(as)  
nonuanono  
nonusnono  
nonqanono  
nonqsnono  
nonjanono  
non**j**snono  
nonaanono  
nonasnono  
non**i**anono  
nonisnono  
nonlanono  
nonlsnono  
non**n**anono  
nonnsnono  
  
(s)R L(ublijphmnr)  
non**s**unono

non**s**bnono  
nonsnonon  
non**s**jnonon  
non**s**lnonon  
  
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  
non**x**nono  
  
(kvwyzxr)R  
L(ublijphmnr)  
non**r**unono  
nonrlnono  
nonrjnono  
non**r**pnono  
nonrbnono  
  
nonkunono  
nonklnono  
non**k**jnono  
nonkpnono  
nonkbnono  
  
nonvunono  
nonvlnono  
nonvjnono  
nonvppnono  
nonvbnono  
  
nonzunono  
nonzlnono  
nonzjnono  
nonzpnono  
nonzbnono  
  
nonxunono  
non**x**lnono  
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	noncðnonon	nonkanonon
nontjnonon	full > small	nonbynono	nonwgonon	nontononon	nonksnonon
nontlnonon	(bpo)R L(as)	non <sup>gy</sup> nonono	nonygonon	nontdnonon	nonvanonon
nontpnonon	nonoanono	nonoznonono	non <sup>zg</sup> nononon	nontgnonon	nonvsnonon
nonfunono	nonpaonon	nonpznonon	non <sup>xg</sup> nononon	nontðnonon	nonwanonon
nonfbnono	nonosnono	nonbznono	nonkenono	nonfononon	nonwsnonon
nonfnnonon	nonp <sup>son</sup> nonon	non <sup>gz</sup> nonono	nonvenono	nonfdnonon	nonyanonon
nonfjnonon		nonoxnono	nonweonon	nonfgnonon	nonysnonon
nonflnonon	(as) R L (ceodqgð)	nonpxnonon	nonyeonon	nonfðnonon	nonzanonon
nonfpnonon		nonbxnono	nonzenonon	nonrononon	non <sup>zs</sup> nononon
nonrunono	nonaonono	non <sup>gx</sup> nonono	non <sup>xen</sup> nononon	nonrdnonon	non <sup>xan</sup> nononon
nonrbnono	nonaenono	non <sup>gx</sup> nonono		nonrgnonon	non <sup>xs</sup> nononon
nonrnonon	nonagnono		full>open	nonrðnonon	
nonrjnonon	nonadnono		(bpo)R L(fts)	noneononon	small>open
nonrlnonon	nonaðnono	(kvwy <sup>zx</sup> )R L (ceodqgð)		nonednonon	(s)R L(fts)
nonrpnnonon	non <sup>son</sup> nonono	nonkonono	nonofnono	nonegnonon	nonsfnonon
noneunono	nonsenono	nonvnonono	nonpfnonon	noneðnonon	nonstnonon
nonebnono	non <sup>sg</sup> nonono	nonwoonon	nonbfnono		nonssnonon
nonenonon	nonsdnono	nonyoonon	nonotnono	small>small	
non <sup>ej</sup> nononon	nons <sup>ð</sup> nonono	nonkðnono	nonptnonon	(s)R L(as)	(ctfre) R L(as)
nonelonon		nonvðnono	nonb <sup>t</sup> nonono	non <sup>san</sup> nononon	non <sup>can</sup> anonon
nonepnnonon	full > void	nonwðnonon	nonosnono	non <sup>sss</sup> nononon	noncsnonon
	(bpog)R L(vwy <sup>zx</sup> )	nonyðnonon	nonp <sup>son</sup> nonon		nontananonon
full round >full round	nonovnono	nonzðnononon	nonbsnono	small>void	non <sup>ts</sup> nononon
(bpo)R L (ceodqgð)	nonpvnonon	nonxðnononon	nonoanono	(s)R L(vwy <sup>zx</sup> )	non <sup>fan</sup> anonon
	nonbvnono	nonk <sup>d</sup> nonono	nonpaonon	nonsvnonon	nonfsnonon
non <sup>oc</sup> nonono	nongvnono	nonvdnono	nonbanono	nonswnonon	nonrananonon
nonoenono	nonownono	nonwdnonon		nonsynonon	non <sup>rs</sup> nononon
nonognono	nonp <sup>w</sup> nonon	nonydonon	(ctfre) R L (ceodqgð)	nonsznonon	noneanonon
nonoðnono	nonbwnono	nonz <sup>d</sup> nononon	noncononon	non <sup>sx</sup> nononon	nonesnonon
nonpdonon	nongwnono	nonxdnonon	noncdnonon		
nonooonon	nonoynono	nonk <sup>g</sup> nonono	noncgnonon	(kvwy <sup>zx</sup> )R L(as)	void>void

(kvwyzx)R L(vwyzx)		nontznonon	nonefnonon	HOHNIHOH	straight>full round
nonkvnonon	void>open	nontxnonon	nonetnonon	HOHNKHOH	(HMNUIJ)R L (CGOQ)
nonkwnonon	(kvwyzx)R L(fts)	nonfvnonon	nonesnonon	HOHNLHOH	HOHHOHOH
nonkynonon	nonkfnonon	nonfwnonon		HOHNÐHOH	HOHNOHOH
nonkznonon	nonktnonon	nonfynonon			HOHUOHOH
nonkxnonon	nonksnonon	nonfznonon	UPPERCASE	HOHUHHOH	HOHHCHOH
nonvvnonon	nonvfnonon	nonfxnonon		HOHUMHOH	HOHNCCHOH
nonvwnonon	nonvtnonon	nonrvnonon	straight>straight	HOHUNHOH	HOHUCHOH
nonvynonon	nonvsnonon	nonrwnonon	(HMNUIJ)R	HOHUUHOH	
nonvznonon	nonwfnonon	nonrynonon	L(HMNUIKLPRBEFÐ)	HOHUIHOH	(DOQF)R
nonvxnonon	nonwtnonon	nonrznonon	HOHHHHOH	HOHUKHOH	L(HMNUIKLPRBEFÐ)
nonwvnonon	nonwsnonon	nonrxnonon	HOHHMHOH	HOHULHOH	HOHOUHOH
nonwwnonon	nonyfnonon	nonevnonon	HOHHNHOH	HOHUÐHOH	HOHQUHOH
nonwynonon	nonytnonon	nonewnonon	HOHHUHOH		HOHDUHOH
nonwznonon	nonysnonon	noneynonon	HOHHIHOH	HOHIHHOH	HOHÐUHOH
nonwxnonon	nonzfnonon	noneznonon	HOHHKHOH	HOHIMHOH	HOHOHHOH
nonyvnonon	nonztnonon	nonexnonon	HOHHLHOH	HOHINHOH	HOHQHHOH
nonywnonon	nonzsnonon		HOHHÐHOH	HOHIUHOH	HOHDHHOH
nonyynonon	nonxfnonon	open>open		HOHIIHOH	HOHÐHHOH
nonyznonon	nonxtnonon	(ctfre) R L(fts)	HOHMHHOH	HOHIKHOH	HOHOÐHOH
nonyxnonon	nonxsnonon	noncfnonon	HOHMMHOH	HOHILHOH	HOHQÐHOH
nonzvnonon		nonctnonon	HOHMNHOH	HOHIÐHOH	HOHDÐHOH
nonzwnonon		noncsnonon	HOHMUHOH		HOHÐÐHOH
nonzynonon	(ctfre) R L(vwyzx)	nontfnonon	HOHMIHOH	HOHJHHOH	
nonzznonon	noncvnonon	nonttnonon	HOHMKHOH	HOHJMH OH	straight>small round
nonzxnonon	noncwnonon	nontsnonon	HOHMLHOH	HOHJNHOH	(HMNUIJ)R L(S)
nonxvnonon	noncynonon	nonffnonon	HOHMÐHOH	HOHJUHOH	OHOHSHOH
nonxwnonon	noncznonon	nonftnonon		HOHJIHOH	OHONSHOH
nonxynonon	noncxnonon	nonfsnonon	HOHNHHOH	HOHJKHOH	OHOUSHOH
nonxznonon	nontvnonon	nonrfnonon	HOHNMHOH	HOHJLHOH	
nonxxnonon	nontwnonon	nonrtnonon	HOHNNHOH	HOHJÐHOH	(RBP)R
	nontynonon	nonrsnonon	HOHNUHOH		L(HMNUIKLPRBEFÐ)

HOHRHHOH	HOHNAHOH	OHONSHOH	(DOQƆ)R L(CGOQ)	HOHQVHOH	HOHƆTHOH
HOHRNHOH	HOHUAHOH	OHOUSHOH	HOHƆOHOH	HOHDYHOH	HOHOTHOH
HOHRUHOH			HOHDOHOH	HOHƆYHOH	HOHQTHOH
HOHRĐHOH		(CGSEFLTZ)R	HOHDCHOH	HOHOYHOH	HOHDJHOH
HOHBHHOH	(WVYZXAKR)R	L(HMNUIKLPRBEƆ)	HOHDQHOH	HOHQYHOH	HOHƆJHOH
HOHBNHOH	L(HMNUIKLPRBEƆ)	HOHCUHOH	HOHQOHOH	HOHƆZHOH	HOHOJHOH
HOHBUHOH	HOHWUHOH	HOHCHHOH	HOHQCHOH	HOHDZHOH	HOHQJHOH
HOHBĐHOH	HOHWHHOH	HOHČHOH	HOHQQHOH	HOHOZHOH	HOHDSHOH
HOHPHHOH	HOHVUHOH	HOHGUHOH		HOHQZHOH	HOHƆSHOH
HOHPNHOH	HOHVHHOH	HOHGHHOH	full > small	HOHƆXHOH	HOHOSHOH
HOHPUHOH	HOHYUHOH	HOHGĐHOH	(DOQƆ)R L(S)	HOHDXHOH	HOHQSHOH
HOHPĐHOH	HOHYHHOH	HOHSUHOH		HOHOXHOH	HOHDZHOH
	HOHZUHOH	HOHSHHOH	HOHƆSHOH	HOHQXHOH	HOHƆZHOH
	HOHZHHOH	HOHSĐHOH	HOHDSHOH	HOHƆAHOH	HOHOZHOH
straight>void	HOHXUHOH	HOHEUHOH	HOHOSHOH	HOHDAHOH	HOHQZHOH
(HMNUIJ)R L(WVYZXA)	HOHXHHOH	HOHEHHOH	HOHQSHOH	HOHOAHOH	
HOHHVHOH	HOHAUHOH	HOHEDHOH		HOHQAHOH	(CSEFLTZG)R L(CGOQ)
HOHNVHOH	HOHAHHOH	HOHFUHOH	(RBP)R L(CGOQ)		HOHCOHOH
HOHUVHOH	HOHKUHOH	HOHFFHOH	HOHROHOH	(WVYZXAKR)R L(CGOQ)	HOHsoHOH
HOHHWHOH	HOHKHHOH	HOHFĐHOH	HOHBOHOH	HOHwoHOH	HOHFOHOH
HOHNWHOH	HOHRUHOH	HOHLUHOH	HOHPOHOH	HOHVOHOH	HOHFOHOH
HOHUWHOH	HOHRHHOH	HOHLHHOH		HOHYOHOH	HOHLOHOH
HOHHYHOH		HOHLĐHOH	full > void	HOHZOHOH	HOHTOHOH
HOHNYHOH	straight>open	HOHTUHOH	(DOQƆ)R L(WVYZXA)	HOHXOHOH	HOHZOHOH
HOHUYHOH	(HMNUIJ)R L(TJS)	HOHTHHOH		HOHAOHOH	HOHGOHOH
HOHHZHOH	OHOHTHOH	HOHTĐHOH	HOHDWHOH	HOHKOHOH	
HOHNZHOH	OHOHTHOH	HOHZUHOH	HOHƆWHOH	HOHROHOH	
HOHUZHOH	OHOUTHOH	HOHZHHOH	HOHOWHOH		small>small
HOHHXHOH	OHOHJHOH	HOHZĐHOH	HOHQWHOH		(RBP)R L(S)
HOHNXHOH	OHONJHOH		HOHƆVHOH	full>open	HOHRSHOH
HOHUXHOH	OHOUJHOH		HOHDVHOH	(DOQ)R L(TJSZ)	HOHBSHOH
HOHHAHOH	OHOHSHOH	full round >full round	HOHOVHOH	HOHDTHOH	HOHPSHOH

	HOHWSHOH	HOHBJHOH		(WVYZXA KR)R	HOHZZHOH HZZZH
small>void	HOHVSHOH	HOHBSHOH	HOHCTHOH	L(WVYZXA)	HOHZXHOH HZXZH
(RBP)R L(WVYZXA)	HOHYSHOH	HOHBSHOH	HOHGTHOH		HOHZAHOH HZAZH
	HOHZSHOH	HOHBSHOH	HOHSTHOH		
HOHRWHOH	HOHXSHOH	HOHBZHOH	HOHETHOH	HOHWWHOH	HOHXWHOH HXWXH
HOHRVHOH	HOHASHOH	HOHBZHOH	HOHFTHOH	HWWWH	HOHXVHOH HXVXH
HOHRYHOH	HOHKSHOH	HOHBZHOH	HOHLTTHOH	HOHWVHOH HWVWH	HOHXYHOH HXYXH
HOHRZHOH	HOHRSHOH		HOHTTHOH	HOHWYHOH HWYWH	HOHXZHOH HXZXH
HOHRXHOH		HOHPTHOH	HOHZTHOH	HOHWZHOH HWZWH	HOHXXHOH HXXXH
HOHRAHOH		HOHPTHOH		HOHWXHOH HWXWH	HOHXAHOH HXAXH
HOHRÆHOH	small>open	HOHPTHOH		HOHWAHOH HWAWH	
	(RBP)R L(TJSZ)	HOHPJHOH	HOHCJHOH	HOHWÆHOH	HOHAWHOH HAWAH
HOHBWHOH		HOHPJHOH	HOHGJHOH	HWÆWH	HOHAVHOH HAVAH
HOHBVHOH		HOHPJHOH	HOHSJHOH		HOHAYHOH HAYAH
HOHBYHOH	HOHRTHOH	HOHPJHOH	HOHEJHOH		HOHAZHOH HAZAH
HOHBZHOH	HOHRTHOH	HOHPJHOH	HOHFJHOH	HOHVWHOH HVWVH	HOHAXHOH HAXAH
HOHBXHOH	HOHRTHOH	HOHPJHOH	HOHLJHOH	HOHVVHOH HVVVH	HOHAAHOH HAAAH
HOHBAHOH	HOHRJHOH	HOHPZHOH	HOHTJHOH	HOHVVHOH HVVVH	
HOHBÆHOH	HOHRJHOH	HOHPZHOH	HOHZJHOH	HOHVZHOH HVZVH	void>open
	HOHRJHOH	HOHPZHOH		HOHVXHOH HVXVH	(WVYZXAKR)R L(TJS)
HOHPWHOH	HOHRSHOH			HOHVAHOH HVAVH	
HOHPVHOH	HOHRSHOH	(CGSEFLTZ)R L(TJSZ)	HOHCZHOH		HOHWTHOH
HOHPYHOH	HOHRSHOH		HOHGZHOH	HOHYWHOH HYWYH	HOHWJHOH
HOHPZHOH	HOHRZHOH	HOHCSHOH	HOHSZHOH	HOHYVHOH HYVYH	HOHWSHOH
HOHPXHOH	HOHRZHOH	HOHGSHOH	HOHEZHOH	HOHYVHOH HYVYH	
HOHPAHOH	HOHRZHOH	HOHSSHOH	HOHFZHOH	HOHYVHOH HYVYH	HOHVTHOH
HOHPÆHOH		HOHESHOH	HOHLZHOH	HOHYVHOH HYVYH	HOHVJHOH
	HOHBTHOH	HOHFSHOH	HOHTZHOH	HOHYVHOH HYVYH	HOHVSHOH
	HOHBTHOH	HOHLSHOH	HOHZZHOH		
(WVYZXAKR)R L(S)	HOHBTHOH	HOHTSHOH		HOHZWHOH HZWZH	HOHYTHOH
	HOHBJHOH	HOHZSHOH		HOHZVHOH HZVZH	HOHYJHOH
	HOHBJHOH		void>void	HOHZYHOH HZYZH	HOHYSHOH

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

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

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
nonĤvnono	nonYdnono	nonRðnono	nonEðnono	nonGsnono	nonWsnono
nonĤwnono	nonYgnono				nonVanono
nonĤynono	nonYðnono	full>open	nonFonono		nonVsnono
nonĤznono		(DOQ)R L(fts)	nonFdnono	small>void	nonYanono
nonĤxnono	nonZonono		nonFgnono	(RBPG)R L(vwyzx)	nonYsnono
	nonZdnono	nonDfnono	nonFðnono	nonRvnono	nonZanono
nonOvnono	nonZgnono	nonDtnono		nonRwnono	nonZsnono
nonOwnono	nonZðnono	nonDsnono	nonLonono	nonRynono	nonXanono



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

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

nonðXnono	(s)R L(S)	noncSnono	nonyZnono	nonzJnono	noncXnono
nonoĀnono		nontSnono	nonzZnono	nonxJnono	nontXnono
nonpĀnono	nonsSsnono	nonfSnono	nonxZnono		nonfXnono
nonbĀnono		nonrSnono		nonkSnono	nonrXnono
nonðĀnono	small>void		nonkXnono	nonvSnono	
	(s)R L(WVYZXA)	void>void	nonvXnono	nonwSnono	noncĀnono
full>open		(kvwyzx)R L(WVYZXA)	nonwXnono	nonySnono	nontĀnono
(bpoð)R L(TJS)	nonsWnono		nonyXnono	nonzSnono	nonfĀnono
	nonsVnono	nonkWnono	nonzXnono	nonxSnono	nonrĀnono
nonoTnono	nonsYnono	nonvWnono	nonxXnono		
nonpTnono	nonsZnono	nonwWnono		(ctfr) R L(WVYZXA)	
nonbTnono	nonsXnono	nonyWnono	nonkĀnono		open>open
nonðTnono	nonsĀnono	nonzWnono	nonvĀnono	noncWnono	(ctfr) R L(TJS)
		nonxWnono	nonwĀnono	nontWnono	
nonoJnono	(kvwyzx)R L(S)		nonyĀnono	nonfWnono	noncTnono
nonpJnono		nonkVnono	nonzĀnono	nonrWnono	nontTnono
nonbJnono	nonkSnono	nonvVnono	nonxĀnono		nonfTnono
nonðJnono	nonvSnono	nonwVnono		noncVnono	nonrTnono
	nonwSnono	nonyVnono	void>open	nontVnono	
nonoSnono	nonySnono	nonzVnono	(kvwyzx)R L(TJS)	nonfVnono	noncJnono
nonpSnono	nonzSnono	nonxVnono		nonrVnono	nontJnono
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	
nonrOnono		nonkZnono	nonvJnono	nonfZnono	
	(ctfr) R L(S)	nonvZnono	nonwJnono	nonrZnono	Figures
small>small		nonwZnono	nonyJnono		

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
001800	(1) R L(239)		000400		003800
		full round >small round	009400	(654)R L (06)	005900
111911	111211	(09) R L(98)			005800

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 F'7 6T T'7
007800	005900			
002800		void > open	116211	
	006200	(72)R L(239)	116311	
small > open	006300		116911	
(8356) R L(239)	006900	117211	115211	