

LOWERCASE

straight>straight  
(udlijqhmna)R  
L(ublijphmnr)

nonnnnnono  
nonnnunono  
nonnbnono  
nonnninono  
nonnjnono  
nonnpnono  
nonuunono  
nonubnono  
nonuinono  
nonujnono  
nonupnono  
nonunnono  
nonqunono  
nonqbnono  
nonqinono  
nonqjnono  
nonqpnono  
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 nonojnono 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
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nonynono	nonxjnono	nontbnono	nonooonon
nonznono	nonxpnono	nontnonon	
nonxnono	nonxbnono	nontjnonon	full > small
		nontlonon	(bpo)R L(as)
(kvwyzxr)R	straight>open	nontpnonon	nonoanonon
L(ublijphmnr)	(udlijgqhmna)R L(afts)	nonfunono	nonpaonon
nonrunono	nonufnono	nonfbnono	nonosnono
nonrlnono	nonuanono	nonfnonon	nonpsonon
nonrjnono	nonutnono	nonfjnonon	
nonrpnono	nonusnono	nonflonon	(as) R L (ceodqgð)
nonrbnono	nonqfnono	nonfpnonon	
	nonqanono	nonrunono	nonaonono
nonkunono	nonqtnono	nonrbnono	nonaenono
nonklnono	nonqsnono	nonrnonon	nonagnono
nonkjnono	nonjfnono	nonrjnonon	nonadnono
nonkpnono	nonjanono	nonrlonon	nonaðnono
nonkbnono	nonjtnono	nonrpnonon	nonsonono
	nonjsnono	noneunono	nonsenono
nonvunono	nonnfnon	nonebnono	nonsgnono
nonvlnono	nonnanon	nonenonon	nonsdnono
nonvjnono	nonntnon	nonejnonon	nonsðnono
nonvpnono	nonnsnon	nonelonon	
nonvbnono		nonepnonon	full > void
	(ctfre) R L(ublijphmnr)		(bpog)R L(vwyzx)
nonzunono	noncunono	full round >full round	nonovnono
nonzlnono	noncbnono	(bpo)R L (ceodqgð)	nonpvnnon
nonzjnono	noncnonon		nonbvnono
nonzpnono	noncjnonon	nonocnono	nongvnono
nonzbnono	nonclonon	nonoenono	nonownono
	noncpnonon	nonognono	nonpwonon
nonxunono	nontunono	nonoðnono	nonbwnono
nonxlnono		nonpdonon	nongwnono

nonoynono  
nonpyonon  
nonbynono  
nongynono  
nonoznono  
nonpzonon  
nonbznono  
nongznono  
nonoxnono  
nonpxonon  
nonbxnono  
nongxnono  
nongxnono

(kvwyx)R L (ceodqgđ)  
nonkonono  
nonvonono  
nonwoonon  
nonyoonon  
nonkđnono  
nonvđnono  
nonwđnonon  
nonyđnonon  
nonzđnonon  
nonxđnonon  
nonkdnono  
nonvdnono  
nonwdnonon  
nonydonon  
nonzdnnonon  
nonxdnonon

nonkgnono  
nonvgnono  
nonwgonon  
nonygonon  
nonzgnonon  
nonxgnonon  
nonkenono  
nonvenono  
nonweonon  
nonyeonon  
nonzenonon  
nonxenonon

full>open  
(bpo)R L(fts)

nonofnono  
nonpfonon  
nonbfnono  
nonotnono  
nonptnonon  
nonbbtnono  
nonosnono  
nonpsonon  
nonbsnono  
nonoanono  
nonpaonon  
nonbanono

(ctfre) R L (ceodqgđ)  
noncononon  
noncdnonon

noncgnonon  
noncđnonon  
nontononon  
nontdnnonon  
nontgnonon  
nontđnonon  
nonfononon  
nonfdnonon  
nonfgnonon  
nonfđnonon  
nonrononon  
nonrdsnnonon  
nonrgnonon  
nonrđnonon  
noneononon  
nonednonon  
nonegnonon  
noneđnonon

small>small  
(s)R L(as)  
nonsanonon  
nonssnonon

small>void  
(s)R L(vwyx)  
nonsvnonon  
nonswnonon  
nonsynonon  
nonsznnonon  
nonsxnnonon

(kvwyx)R L(as)  
nonkanonon  
nonksnonon  
nonvanonon  
nonvsnonon  
nonwanonon  
nonwsnonon  
nonyanonon  
nonysnonon  
nonzanonon  
nonzsnnonon  
nonxanonon  
nonxsnonon

small>open  
(s)R L(fts)  
nonsfnnonon  
nonstnonon  
nonssnonon

(ctfre) R L(as)  
noncanonon  
noncsnonon  
nontanonon  
nontsnnonon  
nonfanonon  
nonfsnonon  
nonranonon  
nonrsnnonon  
noneanonon  
nonesnonon

void>void  
(kvwyzx)R L(vwyzx)  
nonkvnnonon  
nonkwnnonon  
nonkynnonon  
nonkznnonon  
nonkxnnonon  
nonvvnonon  
nonvwnnonon  
nonvynnonon  
nonvznnonon  
nonvxnonon  
nonwvnnonon  
nonwwnonon  
nonwynnonon  
nonwznnonon  
nonwxnonon  
nonyvnnonon  
nonywnnonon  
nonyynnonon  
nonyznnonon  
nonyxnnonon  
nonzvnnonon  
nonzwnnonon  
nonzynnonon  
nonzznnonon  
nonzxnonon  
nonxvnnonon  
nonxwnnonon  
nonxynnonon  
nonxznonon  
nonxxnonon

void>open  
(kvwyzx)R L(fts)  
nonkfnnonon  
nonktnnonon  
nonksnonon  
nonvfnnonon  
nonvtnonon  
nonvsnonon  
nonwfnnonon  
nonwtnonon  
nonwsnonon  
nonyfnnonon  
nonytnnonon  
nonymsnonon  
nonzfnnonon  
nonztnnonon  
nonzsnnonon  
nonxfnnonon  
nonxtnonon  
nonxsnonon  
  
(ctfre) R L(vwyzx)  
noncvnonon  
noncwnnonon  
noncynnonon  
noncznonon  
noncxnonon  
nontvnonon  
nontwnnonon

nontynnonon  
nontznnonon  
nontxnnonon  
nonfvnonon  
nonfwnnonon  
nonfynnonon  
nonfznnonon  
nonfxnonon  
nonrvnonon  
nonrwnnonon  
nonrynonon  
nonrznnonon  
nonrxnonon  
nonevnonon  
nonewnnonon  
noneynnonon  
noneznnonon  
nonexnonon  
  
open>open  
(ctfre) R L(fts)  
noncfnonon  
nonctnonon  
noncsnonon  
nontfnnonon  
nonttnnonon  
nontsnnonon  
nonffnnonon  
nonftnonon  
nonfsnonon  
nonrfnnonon  
nonrtnnonon

nonrsnonon  
nonefnnonon  
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

HOHNÜHOH		L(HMNUIKLPBEFÐ)	HOHHAHOH
HOHNIHOH	straight>full round	HOHRHHOH	HOHNAHOH
HOHNKHOH	(HMNUIJ)R L (CGOQ)	HOHRNHOH	HOHUAHOH
HOHNLHOH	HOHHOHOH	HOHRUHOH	
HOHNÐHOH	HOHNHOHOH	HOHRÐHOH	
	HOHUOHOH	HOHBHHOH	(WVYZXAKR)R
HOHUHHOH	HOHHCHOH	HOHBNHOH	L(HMNUIKLPBEF')
HOHUMHOH	HOHNCHOH	HOHBUHOH	HOHWUHOH
HOHUNHOH	HOHUCHOH	HOHBÐHOH	HOHWHHOH
HOHUUHOH		HOHPHHOH	HOHVUHOH
HOHUIHOH	(DOQF)R	HOHPNHOH	HOHVHHOH
HOHUKHOH	L(HMNUIKLPBEFÐ)	HOHPUHOH	HOHYUHOH
HOHULHOH	HOHOUHOH	HOHPÐHOH	HOHYHHOH
HOHUÐHOH	HOHQUHOH		HOHZUHOH
	HOHDUHOH		HOHZHHOH
HOHIHHOH	HOHPUHOH	straight>void	HOHXUHOH
HOHIMHOH	HOHOHHOH	(HMNUIJ)R L(WVYZXA)	HOHXHHOH
HOHINHOH	HOHQHHOH	HOHHVHOH	HOHAUHOH
HOHIUHOH	HOHDHHOH	HOHNVHOH	HOHAHHOH
HOHIIHOH	HOHPHHOH	HOHUVHOH	HOHKUHOH
HOHIKHOH	HOHOÐHOH	HOHHWHOH	HOHKHHOH
HOHILHOH	HOHQÐHOH	HOHNWHOH	HOHRUHOH
HOHIÐHOH	HOHDÐHOH	HOHUWHOH	HOHRHHOH
	HOHPÐHOH	HOHHYHOH	
HOHJHHOH		HOHNYHOH	straight>open
HOHJMH OH	straight>small round	HOHUYHOH	(HMNUIJ)R L(TJS)
HOHJNHOH	(HMNUIJ)R L(S)	HOHHZHOH	OHOHTHOH
HOHJUHOH	OHOHSHOH	HOHNZHOH	OHOHTHOH
HOHJIHOH	OHONSHOH	HOHUZHOH	OHOUTHOH
HOHJKHOH	OHOUSHOH	HOHHXHOH	OHOHJHOH
HOHJLHOH		HOHNXHOH	OHONJHOH
HOHJÐHOH	(RBP)R	HOHUXHOH	OHOUJHOH

OHOHSHOH	full round >full round	HOHOVHOH	HOHDTHOH
OHONSHOH	(DOQƆ)R L(CGOQ)	HOHQVHOH	HOHƆTHOH
OHOUSHOH	HOHƆOHOH	HOHDYHOH	HOHOTHOH
	HOHDOHOH	HOHƆYHOH	HOHQTHOH
(CGSEFLTZ)R	HOHDCHOH	HOHOYHOH	HOHDJHOH
L(HMNUIKLPRBEFƆ)	HOHDQHOH	HOHQYHOH	HOHƆJHOH
HOHCUHOH	HOHQOHOH	HOHƆZHOH	HOHOJHOH
HOHCHHOH	HOHQCHOH	HOHDZHOH	HOHQJHOH
HOHCƆHOH	HOHQQHOH	HOHOZHOH	HOHDSHOH
HOHGUHOH		HOHQZHOH	HOHƆSHOH
HOHGHHOH	full > small	HOHƆXHOH	HOHOSHOH
HOHGƆHOH	(DOQƆ)R L(S)	HOHDXHOH	HOHQSHOH
HOHSUHOH		HOHOXHOH	HOHDZHOH
HOHSHHOH	HOHƆSHOH	HOHQXHOH	HOHƆZHOH
HOHSƆHOH	HOHDSHOH	HOHƆAHOH	HOHOZHOH
HOHEUHOH	HOHOSHOH	HOHDAHOH	HOHQZHOH
HOHEHHOH	HOHQSHOH	HOHOAHOH	
HOHEƆHOH		HOHQAHOH	(CSEFLTZG)R L(CGOQ)
HOHFUHOH	(RBP)R L(CGOQ)		HOHCOHOH
HOHFHHOH	HOHROHOH	(WVYZXAKR)R L(CGOQ)	HOHSOHOH
HOHFƆHOH	HOHBHOHOH	HOHWOHOH	HOHEOHOH
HOHLUHOH	HOHPOHOH	HOHVOHOH	HOHFHOHOH
HOHLHHOH		HOHYOHOH	HOHLOHOH
HOHLƆHOH	full > void	HOHZOHOH	HOHTOHOH
HOHTUHOH	(DOQƆ)R L(WVYZXA)	HOHXOHOH	HOHZOHOH
HOHTHHOH		HOHAOHOH	HOHGOHOH
HOHTƆHOH	HOHDWHOH	HOHKOHOH	
HOHZUHOH	HOHƆWHOH	HOHROHOH	
HOHZHHOH	HOHOWHOH		small>small
HOHZƆHOH	HOHQWHOH		(RBP)R L(S)
	HOHƆVHOH	full>open	HOHRSHOH
	HOHDVHOH	(DOQ)R L(TJSZ)	HOHBSHOH

HOHPSHOH

small>void  
(RBP)R L(WVYZXA)

HOHRWHOH  
HOHRVHOH  
HOHRYHOH  
HOHRZHOH  
HOHRXHOH  
HOHRAHOH  
HOHRÆHOH

HOHBWHOH  
HOHBVHOH  
HOHBYHOH  
HOHBZHOH  
HOHBXHOH  
HOHBAHOH  
HOHBÆHOH

HOHPWHOH  
HOHPVHOH  
HOHPYHOH  
HOHPZHOH  
HOHPXHOH  
HOHPAHOH  
HOHPÆHOH

(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  
HOHBTHOH

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)	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	HOHZTHOH HOHZJHOH HOHZSHOH  HOHXTHOH HOHXJHOH HOHXSHOH  HOHATHOH HOHAJHOH HOHASHOH  HOHKTHOH HKTXH HOHKJHOH HKJXH HOHKSHOH HKSXH  HOHRTHOH HRTXH HOHRJHOH HRJXH HOHRSHOH HRSXH  (CSEFLTZ)R L(WVYZXA)  HOHCWHOH HOHCYHOH HOHCVHOH HOHCZHOH HOHCXHOH HOHCAHOH  HOHSWHOH HSWSH HOHSYHOH HSYSH	HOHSVHOH HSVSH HOHSZHOH HSZSH HOHSXHOH HSXSH HOHSAHOH HSASH  HOHEWHOH HOHEYHOH HOHEVHOH HOHEZHOH HOHEXHOH HOHEAHOH  HOHFWHOH HOHFYHOH HOHFVHOH HOHFZHOH HOHFXHOH HOHFAHOH  HOHLWHOH HOHLYHOH HOHLVHOH HOHLZHOH HOHLXHOH HOHLAHOH  HOHTWHOH HTWTH HOHTYHOH HTYTH HOHTVHOH HTVTH HOHTZHOH HTZTH HOHTXHOH HTXTH HOHTAHOH HTATH
HOHWWHOH HWWWH HOHWVHOH HWVWH HOHWYHOH HWYWH HOHWZHOH HWZWH HOHWXHOH HWXWH HOHWAHOH HWAWH HOHWÆHOH HWÆWH			
HOHVWHOH HVVWH HOHVVHOH HVVVH HOHVVHOH HVVYH HOHVZHOH HVZVH HOHVXHOH HVXVH HOHVAHOH HVAVH	void>open (WVYZXAKR)R L(TJS)		
HOHYWHOH HYWYH HOHYVHOH HYVYH HOHYWHOH HYYYH HOHYZHOH HYZYH HOHYXHOH HYXYH HOHYAHOH HYAYH	HOHWTHOH HOHWJHOH HOHWSHOH  HOHVTHOH HOHVJHOH HOHVSHOH		
HOHZWHOH HZWZH HOHZVHOH HZVZH HOHZYHOH HZYZH HOHZZHOH HZZZH	HOHYTHOH HOHYJHOH HOHYSHOH		



HOHZWHOH HZWZH	HOHTTHOH	nonHjnono	nonFpnono
HOHZYHOH HZYZH	HOHTJHOH	nonNjnono	nonDunono
HOHZVHOH HZVZH	HOHTSHOH	nonUjnono	nonDbnono
HOHZZHOH HZZZH	HOHTZHOH	nonHpnono	nonDjnono
HOHZXHOH HZXZH	HOHZTHOH	nonNpnono	nonDnnono
HOHZAHOH HZAZH	HOHZJHOH	nonUpnono	nonDpnono
	HOHZSHOH	nonHhnono	nonOunono
	HOHZZHOH	nonNhnono	nonObnono
		nonUhnono	nonOjnono
open>open	UPPERCASE >		nonOnnono
(CSEFLTZ)R L(TJZ)	Lowercase	straight>full round	nonOpnono
		(HMINUJ)R L (ceodqgđ)	nonQunono
HOHCTHOH	straight>straight		nonQbnono
HOHCJHOH		nonHonono	nonQjnono
HOHCSHOH	(HMINUJ)R	nonNonono	nonQnnono
HOHCZHOH	L(ublijphmnr)	nonUonono	nonQpnono
HOHSTHOH		nonHdnono	
HOHSJHOH	nonHnnono	nonNdnono	
HOHSSH OH	nonNnnono	nonUdnono	straight>small round
HOHSZHOH	nonUnnono	nonHgnono	(HMNUIJ)R L(as)
HOHETHOH	nonHunono	nonNgnono	nonHanono
HOHEJHOH	nonNunono	nonUgnono	nonNanono
HOHESH OH	nonUunono	nonHđnono	nonUanono
HOHEZHOH	nonHbnono	nonNđnono	nonHsnono
HOHFTHOH	nonNbnono	nonUđnono	nonNsnono
HOHFJHOH	nonUbnono		nonUsnono
HOHFSHOH	nonHjnono	(DOQ)R L(ublijphmnr)	
HOHFZHOH	nonNjnono		(RBPG)R
HOHLTHOH	nonUjnono	nonFunono	L(ublijphmnr)
HOHLJHOH	nonHinono	nonFbnono	
HOHLSHOH	nonNinono	nonFjnono	nonRunono
HOHLZHOH	nonUinono	nonFnnono	nonRbnono

nonRjnono	nonHynono	nonZbnono	nonHfnono
nonRnnono	nonNynono	nonZjnono	nonNfnono
nonRpnono	nonUynono	nonZnnono	nonUfnono
	nonHznono	nonZpnono	
nonBunono	nonNznono		nonHtnono
nonBbnono	nonUznono	nonXunono	nonNtnono
nonBjnono	nonHxnono	nonXbnono	nonUtnono
nonBnnono	nonNxnono	nonXjnono	
nonBpnono	nonUxnono	nonXnnono	nonHsnono
		nonXpnono	nonNsnono
nonPunono	(WVYZXAKR)R		nonUsnono
nonPbnono	L(ublijphmnr)	nonAunono	
nonPjnono		nonAbnono	(CSEFLTZ)R
nonPnnono	nonWunono	nonAjnono	L(ublijphmnr)
nonPpnono	nonWbnono	nonAnnono	
	nonWjnono	nonAprnono	nonCunono
nonGunono	nonWnnono		nonCbnono
nonGbnono	nonWpnono	nonKunono	nonCjnono
nonGjnono		nonKbnono	nonCnnono
nonGnnono	nonVunono	nonKjnono	nonCpnono
nonGpnono	nonVbnono	nonKnnono	
	nonVjnono	nonKpnono	nonSunono
straight>void	nonVnnono		nonSbnono
(HMNUIJ)R L(vwyzx)	nonVpnono	nonRunono	nonSjnono
		nonRbnono	nonSnnono
nonHvnono	nonYunono	nonRjnono	nonSpnono
nonNvnono	nonYbnono	nonRnnono	
nonUvnono	nonYjnono	nonRpnono	nonEunono
nonHwnono	nonYnnono		nonEbnono
nonNwnono	nonYpnono	straight>open	nonEjnono
nonUwnono		(HMNUIJ)R L(fts)	nonEnnono
	nonZunono		nonEpnono

	(DOQ)R L (ceodqgđ)		
nonFunono		nonRonono	nonOwnono
nonFbnono	nonDonono	nonRdnono	nonOynono
nonFjnono	nonDdnono	nonRgnono	nonOznono
nonFnnono	nonDgnono	nonRđnono	nonOxnono
nonFpnono	nonDđnono		
	nonFonono	nonBonono	nonQvnono
nonLunono	nonFdnono	nonBdnono	nonQwnono
nonLbnono	nonFgnono	nonBgnono	nonQynono
nonLjnono	nonFđnono	nonBđnono	nonQznono
nonLnnono	nonOonono		nonQxnono
nonLpnono	nonOdnono	nonPonono	(WVYZXAKR)R L
	nonOgnono	nonPdnono	(ceodqgđ)
nonTunono	nonOđnono	nonPgnono	
nonTbnono	nonQonono	nonPđnono	nonWonono
nonTjnono	nonQdnono		nonWdnono
nonTnnono	nonQgnono	full > void	nonWgnono
nonTpnono	nonQđnono	(DOQ)R L(vwyzx)	nonWđnono
nonZunono	full > small	nonDvnono	nonVonono
nonZbnono	(DOQ)R L(as)	nonDwnono	nonVdnono
nonZjnono		nonDynono	nonVgnono
nonZnnono	nonDanono	nonDznono	nonVđnono
nonZpnono	nonDsnono	nonDxnono	
	nonFanono		nonYonono
nonZhnono	nonFsnono	nonFvnono	nonYdnono
nonZhnono	nonOanono	nonFwnono	nonYgnono
nonZhnono	nonOsnono	nonFynono	nonYđnono
nonZhnono	nonQanono	nonFznono	
nonZhnono	nonQsnono	nonFxnono	nonZonono
			nonZdnono
full round >full round	(RBP)R L (ceodqg)	nonOvnono	nonZgnono

nonZǎnono	nonDsnono		nonRvnono	nonYsnono	L(as)
		nonLonono	nonRwnono	nonZanono	
nonZonono	nonOfnono	nonLdnono	nonRynono	nonZsnono	nonCsnono
nonZdnono	nonOtnono	nonLgnono	nonRznono	nonXanono	nonCanono
nonZgnono	nonOsnono	nonLǎnono	nonRxnono	nonXsnono	nonSsnono
nonZǎnono				nonAanono	nonSanono
	nonQfnono	nonTonono	nonBvnono	nonAsnono	nonEsnono
nonXonono	nonQtnono	nonTdnono	nonBwnono	nonKanono	nonEanono
nonXdnono	nonQsnono	nonTgnono	nonBynono	nonKsnono	nonFsnono
nonXgnono		nonTǎnono	nonBznono	nonRanono	nonFanono
nonXǎnono	(CSEFLTZ)R L (ceodqgǎ)		nonBxnono	nonRsnono	nonLsnono
		nonZonono			nonLanono
nonĀonono		nonZdnono	nonPvnono	small>open	nonTsnono
nonAdnono	nonConono	nonZgnono	nonPwnono	(RBPG)R L(fts)	nonTanono
nonAgnono	nonCdnono	nonZǎnono	nonPynono		nonZsnono
nonĀǎnono	nonCgnono		nonPznono	nonRfnono	nonZanono
	nonCǎnono	small>small (RBPG)R L(as)	nonPxnono	nonRtnono	
nonKonono				nonRsnono	void>void (WVYZXAKR)R L(vwyzx)
nonKdnono	nonSonono		nonGvnono		
nonKgnono	nonSdnono	nonRanono	nonGwnono	nonBfnono	
nonKǎnono	nonSgnono	nonRsnono	nonGynono	nonBtnono	
	nonSǎnono	nonBanono	nonGznono	nonBsnono	nonWvnono
nonRonono		nonBsnono	nonGxnono		nonWwnono
nonRdnono	nonEonono	nonPanono		nonPfnono	nonWynono
nonRgnono	nonEdnono	nonPsnono	(WVYZXAKR)R	nonPtnono	nonWznono
nonRǎnono	nonEgnono	nonGanono	L(as)	nonPsnono	nonWxnono
	nonEǎnono	nonGsnono			
full>open (DOQ)R L(fts)			nonWanono	nonGfnono	nonVvnono
	nonFonono		nonWsnono	nonGtnono	nonVwnono
	nonFdnono	small>void (RBPG)R	nonVanono	nonGsnono	nonVynono
nonDfnono	nonFgnono	L(vwyzx)	nonVsnono		nonVznono
nonDtnono	nonFǎnono		nonYanono	(CSEFLTZ)R	nonVxnono

nonYvnono	nonRwnono	(CSEFLTZ)R L(vwyzx)	nonTvnono
nonYwnono	nonRynono		nonTwnono
nonYynono	nonRznono	nonCvnono	nonTynono
nonYznono	nonRxnono	nonCwnono	nonTznono
nonYxnono		nonCynono	nonTxnono
	void>open	nonCznono	
	(WVYZXAKR)R L(fts)	nonCxnono	nonZvnono
nonZvnono	nonWfnono		nonZwnono
nonZwnono	nonWtnono	nonSvnono	nonZynono
nonZynono	nonWtnono	nonSwnono	nonZznono
nonZznono	nonWsnono	nonSynono	nonZxnono
nonZxnono	nonVfnono	nonSznono	
	nonVtnono	nonSxnono	open>open
nonXvnono	nonVsnono		(CSEFLTZ)R L(fts)
nonXwnono	nonYfnono	nonEvnono	
nonXynono	nonYtnono	nonEwnono	nonCfnono
nonXznono	nonYsnono	nonEynono	nonCtnono
nonXxnono	nonZfnono	nonEznono	nonCsnono
	nonZtnono	nonExnono	nonSfnono
nonAvnono	nonZsnono		nonStnono
nonAwnono	nonXfnono	nonFvnono	nonSsnono
nonAynono	nonXtnono	nonFwnono	nonEfnono
nonAznono	nonXsnono	nonFynono	nonEtnono
nonAxnono	nonAfnono	nonFznono	nonEsnono
	nonAtnono	nonFxnono	nonFfnono
nonKvnono	nonAsnono		nonFtnono
nonKwnono	nonKfnono	nonLvnono	nonFsnono
nonKynono	nonKtnono	nonLwnono	nonLfnono
nonKznono	nonKsnono	nonLynono	nonLtnono
nonKxnono	nonRfnono	nonLznono	nonLsnono
	nonRtnono	nonLxnono	nonTfnono
nonRvnono	nonRsnono		

nonTtnono	nonpĐnono	nonqVnono	nonaĀnono
nonTsnono	nonbĐnono	noniVnono	
nonZfnono	nonđĐnono	nonjVnono	(kvwyzx)R
nonZtnono		nonuVnono	L(HMNUIKLPRBEFĐ)
nonZsnono	straight>small round (udlijgqhmna)R L(S)	nonaVnono	
		nonnYnono	nonkHnono
Lowercase > UPPERCASE	nonnSnono	nonqYnono	nonkUnono
	nonqSnono	noniYnono	nonkĐnono
	noniSnono	nonjYnono	nonvHnono
straight>full round (udlijgqhmna)R L (CGOQ)	nonjSnono	nonuYnono	nonvUnono
	nonuSnono	nonaYnono	nonvĐnono
nonnOnono	nonaSnono		nonwHnono
nonqOnono	(s)R	nonnZnono	nonwUnono
noniOnono	L(HMNUIKLPRBEF')	nonqZnono	nonwĐnono
nonjOnono		noniZnono	nonyHnono
nonuOnono	nonsHnono	nonjZnono	nonyUnono
nonaOnono	nonsUnono	nonuZnono	nonyĐnono
		nonaZnono	nonzHnono
(bpo)R	straight>void	nonnXnono	nonzUnono
L(HMNUIKLPRBEFĐ)	(udlijgqhmna)R L(WVYZXA)	nonqXnono	nonzĐnono
		noniXnono	nonxHnono
nonoHnono	nonnWnono	nonjXnono	nonxUnono
nonpHnono	nonqWnono	nonuXnono	nonxĐnono
nonbHnono	noniWnono	nonaXnono	
nonđHnono	nonjWnono		straight>open (udlijgqhmna)R L(TJS)
nonoUnono	nonuWnono	nonnĀnono	nonnTnono
nonpUnono	nonaWnono	nonqĀnono	nonqTnono
nonbUnono		noniĀnono	noniTnono
nonđUnono		nonjĀnono	nonjTnono
nonoĐnono	nonnVnono	nonuĀnono	nonuTnono

nonaTnono		nonďYnono	(ctfr) R L(CGOQ)
	nonoOonono	nonoZnono	
nonnJnono	nonpOonono	nonpZnono	noncOonono
nonqJnono	nonbOonono	nonbZnono	nonfOonono
noniJnono		nonďZnono	nontOonono
nonjJnono	full > small	nonoXnono	nonrOonono
nonuJnono	(bpo)R L(S)	nonpXnono	
nonaJnono		nonbXnono	small>small
	nonoSnono	nonďXnono	(s)R L(S)
nonnSnono	nonpSnono	nonoAnono	
nonqSnono	nonbSnono	nonpAnono	nonsSnono
noniSnono		nonbAnono	
nonjSnono	(as) R L(CGOQ)	nonďAnono	small>void
nonuSnono			(s)R L(WVYZXA)
nonaSnono	nonaOonono	full>open	
	nonsOonono	(bpoď)R L(TJS)	nonsWnono
(ctfr) R			nonsVnono
L(HMNUIKLPRBEF)	full > void	nonoTnono	nonsYnono
	(bpoď)R L(WVYZXA)	nonpTnono	nonsZnono
noncHnono	(kvwyzx)R L(CGOQ)	nonbTnono	nonsXnono
noncUnono		nonďTnono	nonsAnono
nonfHnono	nonoWnono		
nonfUnono	nonpWnono	nonoJnono	(kvwyzx)R L(S)
nontHnono	nonbWnono	nonpJnono	
nontUnono	nonďWnono	nonbJnono	nonkSnono
nonrHnono	nonoVnono	nonďJnono	nonvSnono
nonrUnono	nonpVnono		nonwSnono
	nonbVnono	nonoSnono	nonySnono
	nonďVnono	nonpSnono	nonzSnono
	nonoYnono	nonbSnono	nonxSnono
full round >full round	nonpYnono	nonďSnono	
(bpoe)R L(CGOQ)	nonbYnono		small>open

(s)R L(TJS)	nonwYnono	nonyTnono	nonfYnono
	nonyYnono	nonzTnono	nonrYnono
nonsTsnono	nonzYnono	nonxTnono	
nonsJnono	nonxYnono		noncZnono
nonsSsnono		nonkJnono	nontZnono
	nonkZnono	nonvJnono	nonfZnono
(ctfr) R L(S)	nonvZnono	nonwJnono	nonrZnono
	nonwZnono	nonyJnono	
noncSnono	nonyZnono	nonzJnono	noncXnono
nontSnono	nonzZnono	nonxJnono	nontXnono
nonfSnono	nonxZnono		nonfXnono
nonrSnono		nonkSnono	nonrXnono
	nonkXnono	nonvSnono	
void>void	nonvXnono	nonwSnono	noncAnono
(kvwyzx)R L(WVYZXA)	nonwXnono	nonySnono	nontAnono
	nonyXnono	nonzSnono	nonfAnono
nonkWnono	nonzXnono	nonxSnono	nonrAnono
nonvWnono	nonxXnono		
nonwWnono		(ctfr) R L(WVYZXA)	
nonyWnono	nonkAnono	noncWnono	open>open
nonzWnono	nonvAnono	nontWnono	(ctfr) R L(TJS)
nonxWnono	nonwAnono	nonfWnono	
	nonyAnono	nonrWnono	noncTnono
nonkVnono	nonzAnono		nontTnono
nonvVnono	nonxAnono	noncVnono	nonfTnono
nonwVnono		nontVnono	nonrTnono
nonyVnono	void>open	nonfVnono	
nonzVnono	(kvwyzx)R L(TJS)	nonrVnono	noncJnono
nonxVnono			nontJnono
	nonkTnono	noncYnono	nonfJnono
nonkYnono	nonvTnono	nontYnono	nonrJnon
nonvYnono	nonwTnono		



noncSnono			
nontSnono	straight>small round	007100	000000
nonfSnono	(1) R L(98)	002100	000600
nonrSnono			009000
	001900	straight>open	009600
	001800	(1) R L(239)	
Figures			full round >small
	111911	111211	round
straight > straight	111811	111311	(09) R L(98)
001100		111911	
111111	(8356) R L (1)		110911
HH11HH		001200	110811
nn11nn	008100	001300	119911
	003100	001900	119811
straight>full round	005100		
(1) R L (06)	006100	(654)R L(1)	000900
			000800
001000	118111	116111	009900
001600	113111	115111	009800
	115111	114111	
111011	116111		L(98) L (06)
111611		006100	
	straight>void	005100	119011
	(1) R L(4)	004100	119611
(09) R L (1)			118011
	111411	full round >full round	118611
009100	001400	(09) R L (06)	
000100			009000
	(72)R L (1)	110011	009600
119111		110611	008000
110111	117111	119011	008600
	112111	119611	

<b>full &gt; void</b> <b>(09) R L(4)</b>	<b>000200</b> <b>000300</b> <b>000900</b> <b>009200</b> <b>009300</b> <b>009900</b>	<b>116911</b> <b>116811</b>	<b>112811</b>
<b>110411</b> <b>119411</b>		<b>008900</b> <b>008800</b> <b>003900</b> <b>003800</b>	<b>007900</b> <b>002900</b> <b>007800</b> <b>002800</b>
<b>000400</b> <b>009400</b>	<b>(654)R L (06)</b>	<b>005900</b> <b>005800</b> <b>006900</b> <b>006800</b>	<b>small &gt; open</b> <b>(8356) R L(239)</b>
<b>(72)R L (06)</b>	<b>116011</b> <b>116611</b> <b>115011</b> <b>115611</b> <b>114011</b> <b>114611</b>		<b>118211</b> <b>118311</b> <b>118911</b>
<b>117011</b> <b>117611</b> <b>112011</b> <b>112611</b>		<b>small &gt; void</b> <b>(8356) R L(4)</b>	<b>113211</b> <b>113311</b> <b>113911</b>
<b>007000</b> <b>007600</b> <b>002000</b> <b>002600</b>	<b>006000</b> <b>006600</b> <b>005000</b> <b>005600</b> <b>004000</b> <b>004600</b>	<b>118411</b> <b>113411</b> <b>115411</b> <b>116411</b>	
<b>full &gt; open</b> <b>(09) R L(239)</b>	<b>small &gt; small</b> <b>(8356) R L(98)</b>	<b>008400</b> <b>003400</b> <b>005400</b> <b>006400</b>	<b>115211</b> <b>115311</b> <b>115911</b>
<b>110211</b> <b>110311</b> <b>110911</b> <b>119211</b> <b>119311</b> <b>119911</b>	<b>118911</b> <b>118811</b> <b>113911</b> <b>113811</b> <b>115911</b> <b>115811</b>	<b>(72)R L(98)</b>  <b>117911</b> <b>112911</b> <b>117811</b>	<b>008200</b> <b>008300</b> <b>008900</b>  <b>003200</b> <b>003300</b>

003900	112411	004400	jj, jy, qj, qg, gg, gp, gy, fh, fk, fl, fb, fi, fj, ff, ft
005200	007400	open > open	
005300	002400	(654)R L(239)	L4 F'7 6T T'7
005900			
006200	void > open	116211	
006300	(72)R L(239)	116311	
006900		116911	
	117211	115211	
	117311	115311	
	117911	115911	
	112211	114211	
(654)R L(98)	112311	114311	
	112911	114911	
116911			
116811	007200	006200	
115911	007300	006300	
115811	007900	006900	
114911	002200	005200	
114811	002300	005300	
	002900	005900	
006900		004200	
006800		004300	
005900		004900	
005800	(654)R L(4)		
004900			
004800	116411	collisions U>L & L>U	
	115411		
void > void	114411	fT fY	
(72)R L(4)		Qj Qy Qp Qj F'l tA gT gV	
	006400	gX	
117411	005400		

