

LOWERCASE

straight>straight  
(udlijqhmna)R  
L(ublijphmnr)

nonnnnnono  
nonnnunono  
nonnnbnono  
nonnninono  
nonnnjnono  
nonnnpnono  
nonnuunono  
nonnubnono  
nonnuinono  
nonnujnono  
nonnupnono  
nonnunnono  
nonnqunono  
nonnqbnono  
nonnqinono  
nonnqjnono  
nonnqpnono  
nonnqnnono  
nonnjunono  
nonnjbnono  
nonnjinono  
nonnjjnono  
nonnjpnono  
nonnjnnono  
nonnnunono  
nonnnbnono

nonnninono  
nonnnjnono  
nonnnpnono  
nonnnnnono  
nonnaunono  
nonnabnono  
nonnainono  
nonnajnono  
nonnapnono  
nonnannono  
nonniunono  
nonnibnono  
nonniinono  
nonnijnono  
nonnipnono  
nonninnono

straight>full round  
(udlijqhmna)R L  
(ceodqgđ)  
nonnuonono  
nonnugnono  
nonnuðnono  
nonnqonono  
nonnqgnono  
nonnqðnono  
nonnjonono  
nonnjgnono  
nonnjðnono  
nonnionono  
nonnignono

nonniðnono  
nonnnonono  
nonnngnono  
nonnñnono  
nonnonono

(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  
nonnnanono  
nonnnsnono

(s)R L(ublijphmnr)  
nonsunono

nonsbnono  
nonsnnonon  
nonsjnnonon  
nonslnnonon

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

nonknono  
nonklnono  
nonkjonono  
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

non**tb**nono  
nontnnonon  
nontjnonon  
nont**l**onon  
nontpnnonon  
non**f**unono  
nonfbnono  
non**f**nnonon  
nonfjnonon  
non**f**lonon  
nonfpnnonon  
nonrunono  
nonrbnono  
nonrnonon  
nonrjnonon  
nonrlonon  
nonrpnnonon  
non**e**unono  
non**e**bnono  
nonenonon  
nonejnonon  
nonelonon  
nonepnnonon

full round >full round  
(bpo)R L (ceodqgð)

nonocnono  
nonoenono  
nonognono  
nonoðnono  
nonpdonon

nonooonon  
  
full > small  
(bpo)R L(as)  
nonoanono  
nonpaonon  
nonosnono  
nonpsonon

(as) R L (ceodqgð)

nonaonono  
nonaenono  
nonagnono  
nonadnono  
nonaðnono  
nonsonono  
nonsenono  
nonsgnono  
nonsdnono  
nonsðnono

full > void  
(bpog)R L(vwyzx)

nonovnono  
nonpvnnon  
nonbvnnono  
nongvnnono  
nonownono  
nonpwonon  
nonbwnono  
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  
nonztnonon  
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  
nonevnnonon  
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	HOHƆUHOH	straight>void	HOHXUHOH
HOHIMHOH	HOHOHHOH	(HMNUIJ)R L(WVYZXA)	HOHXHHOH
HOHINHOH	HOHQHHOH	HOHHVHOH	HOHAUHOH
HOHIUHOH	HOHDHHOH	HOHNVHOH	HOHAHHOH
HOHIIHOH	HOHƆHHOH	HOHUVHOH	HOHKUHOH
HOHIKHOH	HOHOÐHOH	HOHHWHOH	HOHKHHOH
HOHILHOH	HOHQÐHOH	HOHNWHOH	HOHRUHOH
HOHIÐHOH	HOHDÐHOH	HOHUWHOH	HOHRHHOH
	HOHƆÐHOH	HOHHYHOH	
HOHJHHOH		HOHNYHOH	straight>open
HOHJMHOH	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	(DOQÞ)R L(CGOQ)	HOHQVHOH	HOHÞTHOH
OHOUSHOH	HOHÞOHOH	HOHDYHOH	HOHOTHOH
	HOHDOHOH	HOHÞYHOH	HOHQTHOH
(CGSEFLTZ)R	HOHDCHOH	HOHOYHOH	HOH DJHOH
L(HMNUIKLPRBEFÐ)	HOHDQHOH	HOHQYHOH	HOHÞJHOH
HOHCUHOH	HOHQOHOH	HOHÞZHOH	HOHOJHOH
HOHCHHOH	HOHQCHOH	HOHDZHOH	HOHQJHOH
HOHCÐHOH	HOHQQHOH	HOHOZHOH	HOHDSHOH
HOHGUHOH		HOHQZHOH	HOHÞSHOH
HOHGHHOH	full > small	HOHÞXHOH	HOHOSHOH
HOHGÐHOH	(DOQÞ)R L(S)	HOHDXHOH	HOHQSHOH
HOHSUHOH		HOHOXHOH	HOHDZHOH
HOHSHHOH	HOHÞSHOH	HOHQXHOH	HOHÞZHOH
HOHSÐHOH	HOHDSHOH	HOHÞAHOH	HOHOZHOH
HOHEUHOH	HOHOSHOH	HOHDAHOH	HOHQZHOH
HOHEHHOH	HOHQSHOH	HOHOAHOH	
HOHEÐHOH		HOHQ AHOH	(CSEFLTZG)R L(CGOQ)
HOHFUHOH	(RBP)R L(CGOQ)		HOHCOHOH
HOHFHHOH	HOHROHOH	(WVYZXAKR)R L(CGOQ)	HOHSOHOH
HOHFÐHOH	HOHBHOHOH	HOHWOHOH	HOHEOHOH
HOHLUHOH	HOHPOHOH	HOHVOHOH	HOHF OHOH
HOHLHHOH		HOHYOHOH	HOHLOHOH
HOHLÐHOH	full > void	HOHZOHOH	HOHTOHOH
HOHTUHOH	(DOQÞ)R L(WVYZXA)	HOHXOHOH	HOHZOHOH
HOHTHHOH		HOHAOHOH	HOHGOHOH
HOHTÐHOH	HOHDWHOHOH	HOHKOHOH	
HOHZUHOH	HOHÞWHOHOH	HOHROHOH	
HOHZHHOH	HOHOWHOH		small>small
HOHZÐHOH	HOHQWHOHOH		(RBP)R L(S)
	HOHÞVHOH	full>open	HOHRSHOH
	HOHDVHOH	(DOQ)R L(TJSZ)	HOHB SHOH

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  
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)

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



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)		nonOwnono
nonFunono		nonRonono	nonOynono
nonFbnono	nonDonono	nonRdnono	nonOznono
nonFjnono	nonDdnono	nonRgnono	nonOxnono
nonFnnono	nonDgnono	nonRđnono	
nonFpnono	nonDđnono		nonQvnono
	nonFonono	nonBonono	nonQwnono
nonLunono	nonFdnono	nonBdnono	nonQynono
nonLbnono	nonFgnono	nonBgnono	nonQznono
nonLjnono	nonFđnono	nonBđnono	nonQxnono
nonLnnono	nonOonono		
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		
nonYwnono	nonRynono	(CSEFLTZ)R L(vwyzx)	nonTvnono
nonYynono	nonRznono		nonTwnono
nonYznono	nonRxnono	nonCvnono	nonTynono
nonYxnono		nonCwnono	nonTznono
	void>open	nonCynono	nonTxnono
	(WVYZXAKR)R L(fts)	nonCznono	
nonZvnono		nonCxnono	nonZvnono
nonZwnono	nonWfnono		nonZwnono
nonZynono	nonWtnono	nonSvnono	nonZynono
nonZznono	nonWsnono	nonSwnono	nonZznono
nonZxnono	nonVfnono	nonSynono	nonZxnono
	nonVtnono	nonSznono	
nonXvnono	nonVsnono	nonSxnono	open>open
nonXwnono	nonYfnono		(CSEFLTZ)R L(fts)
nonXynono	nonYtnono	nonEvnono	
nonXznono	nonYsnono	nonEwnono	nonCfnono
nonXxnono	nonZfnono	nonEynono	nonCtnono
	nonZtnono	nonEznono	nonCsnono
nonAvnono	nonZsnono	nonExnono	nonSfnono
nonAwnono	nonXfnono		nonStnono
nonAynono	nonXtnono	nonFvnono	nonSsnono
nonAznono	nonXsnono	nonFwnono	nonEfnono
nonAxnono	nonAfnono	nonFynono	nonEtnono
	nonAtnono	nonFznono	nonEsnono
nonKvnono	nonAsnono	nonFxnono	nonFfnono
nonKwnono	nonKfnono		nonFtnono
nonKynono	nonKtnono	nonLvnono	nonFsnono
nonKznono	nonKsnono	nonLwnono	nonLfnono
nonKxnono	nonRfnono	nonLynono	nonLtnono
	nonRtnono	nonLznono	nonLsnono
nonRvnono	nonRsnono	nonLxnono	nonTfnono

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
nonnOnono	nonuSnono	nonaYnono	nonvĐnono
nonqOnono	nonaSnono		nonwHnono
noniOnono	(s)R	nonnZnono	nonwUnono
nonjOnono	L(HMNUIKLPRBEF')	nonqZnono	nonwĐnono
nonuOnono		noniZnono	nonyHnono
nonaOnono	nonsHnono	nonjZnono	nonyUnono
	nonsUnono	nonuZnono	nonyĐnono
		nonaZnono	nonzHnono
(bpo)R	straight>void	nonnXnono	nonzUnono
L(HMNUIKLPRBEFĐ)	(udlijgqhmna)R L(WVYZXA)	nonqXnono	nonzĐnono
nonoHnono		noniXnono	nonxHnono
nonpHnono	nonnWnono	nonjXnono	nonxUnono
nonbHnono	nonqWnono	nonuXnono	nonxĐnono
nonđHnono	noniWnono	nonaXnono	
nonoUnono	nonjWnono		straight>open (udlijgqhmna)R L(TJS)
nonpUnono	nonuWnono	nonnĀnono	nonnTnono
nonbUnono	nonaWnono	nonqĀnono	nonqTnono
nonđUnono		noniĀnono	noniTnono
nonoĐnono	nonnVnono	nonjĀnono	nonjTnono
		nonuĀnono	nonuTnono

<b>nonaTnono</b>		<b>nonðYnono</b>	<b>(ctfr) R L(CGOQ)</b>
	<b>nonoOonono</b>	<b>nonoZnono</b>	
<b>nonnJnono</b>	<b>nonpOonono</b>	<b>nonpZnono</b>	<b>noncOonono</b>
<b>nonqJnono</b>	<b>nonbOonono</b>	<b>nonbZnono</b>	<b>nonfOonono</b>
<b>noniJnono</b>		<b>nonðZnono</b>	<b>nontOonono</b>
<b>nonjJnono</b>	<b>full &gt; small</b>	<b>nonoXnono</b>	<b>nonrOonono</b>
<b>nonuJnono</b>	<b>(bpo)R L(S)</b>	<b>nonpXnono</b>	
<b>nonaJnono</b>		<b>nonbXnono</b>	<b>small&gt;small</b>
	<b>nonoSnono</b>	<b>nonðXnono</b>	<b>(s)R L(S)</b>
<b>nonnSnono</b>	<b>nonpSnono</b>	<b>nonoAnono</b>	
<b>nonqSnono</b>	<b>nonbSnono</b>	<b>nonpAnono</b>	<b>nonsSsnono</b>
<b>noniSnono</b>		<b>nonbAnono</b>	
<b>nonjSnono</b>	<b>(as) R L(CGOQ)</b>	<b>nonðAnono</b>	<b>small&gt;void</b>
<b>nonuSnono</b>			<b>(s)R L(WVYZXA)</b>
<b>nonaSnono</b>	<b>nonaOonono</b>	<b>full&gt;open</b>	
	<b>nonsOonono</b>	<b>(bpoð)R L(TJS)</b>	<b>nonsWnono</b>
<b>(ctfr) R</b>			<b>nonsVnono</b>
<b>L(HMNUIKLPRBEF)</b>	<b>full &gt; void</b>	<b>nonoTnono</b>	<b>nonsYnono</b>
	<b>(bpoð)R L(WVYZXA)</b>	<b>nonpTnono</b>	<b>nonsZnono</b>
<b>noncHnono</b>	<b>(kvwyzx)R L(CGOQ)</b>	<b>nonbTnono</b>	<b>nonsXnono</b>
<b>noncUnono</b>		<b>nonðTnono</b>	<b>nonsAnono</b>
<b>nonfHnono</b>	<b>nonoWnono</b>		
<b>nonfUnono</b>	<b>nonpWnono</b>	<b>nonoJnono</b>	<b>(kvwyzx)R L(S)</b>
<b>nontHnono</b>	<b>nonbWnono</b>	<b>nonpJnono</b>	
<b>nontUnono</b>	<b>nonðWnono</b>	<b>nonbJnono</b>	<b>nonkSnono</b>
<b>nonrHnono</b>	<b>nonoVnono</b>	<b>nonðJnono</b>	<b>nonvSnono</b>
<b>nonrUnono</b>	<b>nonpVnono</b>		<b>nonwSnono</b>
	<b>nonbVnono</b>	<b>nonoSnono</b>	<b>nonySnono</b>
	<b>nonðVnono</b>	<b>nonpSnono</b>	<b>nonzSnono</b>
	<b>nonoYnono</b>	<b>nonbSnono</b>	<b>nonxSnono</b>
<b>full round &gt;full round</b>	<b>nonpYnono</b>	<b>nonðSnono</b>	
<b>(bpoe)R L(CGOQ)</b>	<b>nonbYnono</b>		<b>small&gt;open</b>

(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	

full > void (09) R L(4)	000200 000300 000900 009200 009300 009900	116911 116811	112811
110411 119411		008900 008800 003900 003800	007900 002900 007800 002800
000400 009400	(654)R L (06)	005900 005800 006900 006800	small > open (8356) R L(239)
(72)R L (06)	116011 116611 115011 115611 114011 114611		118211 118311 118911
117011 117611 112011 112611		small > void (8356) R L(4)	113211 113311 113911
007000 007600 002000 002600	006000 006600 005000 005600 004000 004600	118411 113411 115411 116411	
full > open (09) R L(239)	small > small (8356) R L(98)	008400 003400 005400 006400	115211 115311 115911
110211 110311 110911 119211 119311 119911	118911 118811 113911 113811 115911 115811	(72)R L(98)	116211 116311 116911
			008200 008300 008900
		117911 112911 117811	003200 003300

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		

