

LOWERCASE

straight>straight  
(udlijqhmna)R  
L(ublijphmnr)

nonnnnnono  
nonnnunono  
nonnbnono  
nonninono  
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  
nonuðnono  
nonqonono  
nonqgnono  
nonqðnono  
nonjonono  
nonjgnono  
nonjðnono  
nonionono  
nonignono

noniðnono  
nonnonono  
nonngnono  
nonnðnono  
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  
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

nontbnono  
nontnonon  
nontjnonon  
nontlonon  
nontpnonon  
nonfunono  
nonfbnono  
nonfnonon  
nonfjnonon  
nonflonon  
nonfpnonon  
nonrunono  
nonrbnono  
nonrnonon  
nonrjnonon  
nonrlonon  
nonrpnonon  
noneunono  
nonebnono  
nonenonon  
nonejnonon  
nonelonon  
nonepnonon

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

nonocnono  
nonoenono  
nonognono  
nonoðnono  
nonpdonon

nonoonon  
  
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  
nonpvonon  
nonbvnono  
nongvnono  
nonownono  
nonpwonon  
nonbwnono  
nongwnono

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

(kvwyzx)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  
nonoanonon  
nonpaonon  
nonbanono

(ctfre) R L (ceodqgđ)  
noncononon  
noncdnonon

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

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

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

(kvwyzx)R L(as)  
nonkanonon  
nonksnonon  
nonvanonon  
nonvsnonon  
nonwanonon  
nonwsnonon  
nonyanonon  
nonsynonon  
nonzanonon  
nonzsnnonon  
nonxanonon  
nonxsnnonon

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

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

void>void		nontynonon	nonrsnonon
(kvwyzx)R L(vwyzx)		nontznonon	nonefnonon
nonkvnnonon	void>open	nontxnonon	nonetnonon
nonkwnnonon	(kvwyzx)R L(fts)	nonfvnonon	nonesnonon
nonkynnonon	nonkfnonon	nonfwnnonon	
nonkznnonon	nonktnnonon	nonfynonon	
nonkxnnonon	nonksnonon	nonfznnonon	UPPERCASE
nonvvnonon	nonvfnonon	nonfxnonon	
nonvwnnonon	nonvtnonon	nonrvnonon	straight>straight
nonvynnonon	nonvsnonon	nonrwnnonon	(HMNUIJ)R
nonvznnonon	nonwfnonon	nonrynonon	L(HMNUIKLPREBFD)
nonvxnonon	nonwtnnonon	nonrznnonon	HOHHHHOH
nonwvnonon	nonwsnonon	nonrxnonon	HOHHMH OH
nonwwnonon	nonyfnonon	nonevnonon	HOHHNH OH
nonwynnonon	nonytnnonon	nonewnonon	HOHHU OH
nonwznnonon	nonysnonon	noneynonon	HOHHI OH
nonwxnonon	nonzfnonon	noneznnonon	HOHHK OH
nonyvnonon	nonztnnonon	nonexnonon	HOHHL OH
nonywnnonon	nonzsnnonon		HOHHD OH
nonyynnonon	nonxfnonon	open>open	
nonyznonon	nonxtnonon	(ctfre) R L(fts)	HOHMH OH
nonyxnonon	nonxsnonon	noncfnonon	HOHMM OH
nonzvnonon		nonctnonon	HOHMN OH
nonzwnnonon		noncsnonon	HOHMU OH
nonzynnonon	(ctfre) R L(vwyzx)	nontfnonon	HOHMI OH
nonzznonon	noncvnonon	nonttnnonon	HOHMK OH
nonzxnonon	noncwnnonon	nontsnnonon	HOHML OH
nonxvnonon	noncynnonon	nonffnonon	HOHMD OH
nonxwnnonon	noncznonon	nonftnonon	
nonxynnonon	noncxnonon	nonfsnonon	HOHNH OH
nonxznonon	nontvnonon	nonrfnnonon	HOHNM OH
nonxxnonon	nontwnnonon	nonrtnnonon	HOHNN OH

HOHNÜHOH  
HOHNİHOH  
HOHNKHOH  
HOHNŁHOH  
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  
HOHN OH OH  
HOHU OH OH  
HOHHCH OH  
HOHNCH OH  
HOHUCH OH

(DOQƆ)R  
L(HMNUIKLP RBEFÐ)  
HOHO U HOH  
HOHQ U HOH  
HOHD U HOH  
HOHƆ U HOH  
HOHO H HOH  
HOHQ H HOH  
HOHD H HOH  
HOHƆ H HOH  
HOHO Ø HOH  
HOHQ Ð HOH  
HOHD Ð HOH  
HOHƆ Ð HOH

straight>small round  
(HMNUIJ)R L(S)  
OHOHSH OH  
OHONSH OH  
OHOU SH OH  
  
(RBP)R

L(HMNUIKLP RBEFÐ)  
HOHRHH OH  
HOHRNHOH  
HOHRUHOH  
HOHRÐHOH  
HOHBHH OH  
HOHBNHOH  
HOHBUHOH  
HOHBÐHOH  
HOHPHH OH  
HOHPNHOH  
HOHPUHOH  
HOHPÐHOH

straight>void  
(HMNUIJ)R L(WVYZXA)  
HOHHVHOH  
HOHNVHOH  
HOHU V HOH  
HOHHW HOH  
HOHNW HOH  
HOHUW HOH  
HOHHYHOH  
HOHNYHOH  
HOHUYHOH  
HOHHZHOH  
HOHNZHOH  
HOHUZHOH  
HOHHXHOH  
HOHNXHOH  
HOHUXHOH

HOHHAHOH  
HOHNAHOH  
HOHUAHOH  
  
(WVYZXAKR)R  
L(HMNUIKLP RBEF')  
HOHWUHOH  
HOHWHH OH  
HOHVUHOH  
HOHVHH OH  
HOHYUHOH  
HOHYHH OH  
HOHZUHOH  
HOHZHH OH  
HOHXUHOH  
HOHXHH OH  
HOHAUHOH  
HOHAHH OH  
HOHKUHOH  
HOHKHH OH  
HOHRUHOH  
HOHRHH OH  
  
straight>open  
(HMNUIJ)R L(TJS)  
OHOHTHOH  
OHONTH OH  
OHOUTH OH  
OH OH J HOH  
OHONJHOH  
OHOUJHOH

OHOHSHOH	full round >full round	HOHOVHOH	HOHDTHOH
OHONSHOH	(DOQǼ)R L(CGOQ)	HOHQVHOH	HOHǼTHOH
OHOUSHOH	HOHǼOHOH	HOHDYHOH	HOHOTHOH
	HOHDCHOH	HOHǼYHOH	HOHQTHOH
(CGSEFLTZ)R	HOHDQHOH	HOHOYHOH	HOHDJHOH
L(HMNUIKLPRBEFǼ)	HOHQOHOH	HOHQYHOH	HOHǼJHOH
HOHCUHOH	HOHQCHOH	HOHǼZHOH	HOHOJHOH
HOHCHHOH	HOHQQHOH	HOHDZHOH	HOHQJHOH
HOHCǼHOH		HOHOZHOH	HOHDSHOH
HOHGUHOH		HOHQZHOH	HOHǼSHOH
HOHGHHOH	full > small	HOHǼXHOH	HOHOSHOH
HOHGǼHOH	(DOQǼ)R L(S)	HOHDXHOH	HOHQSHOH
HOHSUHOH		HOHOXHOH	HOHDZHOH
HOHSHHOH	HOHǼSHOH	HOHQXHOH	HOHǼZHOH
HOHSǼHOH	HOHDSHOH	HOHǼAHOH	HOHOZHOH
HOHEUHOH	HOHOSHOH	HOHDAHOH	HOHQZHOH
HOHEHHOH	HOHQSHOH	HOHOAHOH	
HOHEǼHOH		HOHQAHOH	(CSEFLTZG)R L(CGOQ)
HOHFUHOH	(RBP)R L(CGOQ)		HOHCOHOH
HOHFHHOH	HOHROHOH	(WVYZXAKR)R L(CGOQ)	HOHSOHOH
HOHFǼHOH	HOHBHOHOH	HOHWOHOH	HOHEOHOH
HOHLUHOH	HOHPOHOH	HOHVOHOH	HOHFHOHOH
HOHLHHOH		HOHYOHOH	HOHLOHOH
HOHLǼHOH	full > void	HOHZOHOH	HOHTOHOH
HOHTUHOH	(DOQǼ)R L(WVYZXA)	HOHXOHOH	HOHZOHOH
HOHTHHOH		HOHAOHOH	HOHGOHOH
HOHTǼHOH	HOHDWHOHOH	HOHKOHOH	
HOHZUHOH	HOHǼWHOHOH	HOHROHOH	
HOHZHHOH	HOHOWHOH		small>small
HOHZǼHOH	HOHQWHOHOH	full>open	(RBP)R L(S)
	HOHǼVHOH	(DOQ)R L(TJSZ)	HOHRSHOH
	HOHDVHOH		HOHBSHOH

HOHPSHOH

small>void  
(RBP)R L(WVYZXA)

HOHRWHOHOH  
HOHRVHOHOH  
HOHRYHOHOH  
HOHRZHOHOH  
HOHRXHOHOH  
HOHRAHOHOH  
HOHRÆHOHOH

HOHBWHOHOH  
HOHBVHOHOH  
HOHBYHOHOH  
HOHBZHOHOH  
HOHBXHOHOH  
HOHBAHOHOH  
HOHBÆHOHOH

HOHPWHOHOH  
HOHPVHOHOH  
HOHPYHOHOH  
HOHPZHOHOH  
HOHPXHOHOH  
HOHPAHOHOH  
HOHPÆHOHOH

(WVYZXAKR)R L(S)

HOHWSHOH  
HOHVSHOH  
HOHYSHOH  
HOHZSHOH  
HOHXSHOH  
HOHASHOH  
HOHKSHOH  
HOHRSHOH

small>open  
(RBP)R L(TJSZ)

HOHRTHOH  
HOHRTHOH  
HOHRTHOH  
HOHRJHOHOH  
HOHRJHOHOH  
HOHRJHOHOH

HOHRSHOH  
HOHRSHOH  
HOHRSHOH  
HOHRZHOHOH  
HOHRZHOHOH

HOHBTHOH  
HOHBTHOH  
HOHBTHOH  
HOHBJHOHOH

HOHBJHOHOH

HOHBJHOHOH  
HOHBSHOHOH  
HOHBSHOHOH  
HOHBSHOHOH  
HOHBZHOHOH  
HOHBZHOHOH  
HOHBZHOHOH

HOHPTHOH  
HOHPTHOH  
HOHPTHOH  
HOHPJHOHOH  
HOHPJHOHOH  
HOHPJHOHOH  
HOHPSHOH  
HOHPSHOH  
HOHPSHOH  
HOHPZHOHOH  
HOHPZHOHOH  
HOHPZHOHOH

(CGSEFLTZ)R L(TJSZ)

HOHCSHOH  
HOHGSHOH  
HOHSSHOH  
HOHESHOH  
HOHFSHOH  
HOHLSHOH  
HOHTSHOH  
HOHZSHOH

HOHCTHOHOH  
HOHGTHOH  
HOHSTHOHOH  
HOHETHOH  
HOHFTHOHOH  
HOHLTHOH  
HOHTTHOH  
HOHZTHOH

HOHCJHOHOH  
HOHGJHOHOH  
HOHSJHOHOH  
HOHEJHOHOH  
HOHFJHOHOH  
HOHLJHOHOH  
HOHTJHOHOH  
HOHZJHOHOH

HOHCZHOHOH  
HOHGZHOHOH  
HOHSZHOHOH  
HOHEZHOHOH  
HOHFZHOHOH  
HOHLZHOHOH  
HOHTZHOHOH  
HOHZZHOHOH

void>void (WVYZXA KR)R L(WVYZXA)	HOHZXHOH HZXZH HOHZAHOH HZAZH	HOHZTHOH HOHZJHOH HOHZSHOH	HOHSVHOH HSVSH HOHSZHOH HSZSH HOHSXHOH HSXSH HOHSAHOH HSASH
HOHWWHOH HWWWH HOHWVHOH HWVWH HOHWYHOH HWYWH HOHWZHOH HWZWH HOHWXHOH HWXWH HOHWAHOH HWAWH HOHWÆHOH HWÆWH	HOHXWHOH HXWXH HOHXVHOH HXVXH HOHXYHOH HXYXH HOHXZHOH HXZXH HOHXXHOH HXXXH HOHXAHOH HXAXH	HOHXTHOH HOHXJHOH HOHXS HOH	HOHEWHOH HOHEYHOH HOHEVHOH HOHEZHOH HOHEXHOH HOHEAHOH
HOHVWHOH HVWVH HOHVVHOH HVVVH HOHVVHOH HVVYH HOHVZHOH HVZVH HOHVXHOH HVXVH HOHVAHOH HVAVH	HOHAWHOH HAWAH HOHAVHOH HAVAH HOHAYHOH HAYAH HOHAZHOH HAZAH HOHAXHOH HAXAH HOHAAHOH HAAAH	HOHKTHOH HKTXH HOHKJHOH HKJXH HOHKSHOH HKSXH	HOHFWHOH HOHFYHOH HOHFVHOH HOHFZHOH HOHFXHOH HOHFAHOH
HOHYWHOH HYWYH HOHYVHOH HYVYH HOHYYHOH HYYYH HOHYZHOH HYZYH HOHYXHOH HYXYH HOHYAHOH HYAYH	HOHWTHOH HOHWJHOH HOHWSHOH	(CSEFLTZ)R L(WVYZXA)	HOHLWHOH HOHLYHOH HOHLVHOH HOHLZHOH HOHLXHOH HOHLAHOH
HOHZWHOH HZWZH HOHZVHOH HZVZH HOHZYHOH HZYZH HOHZZHOH HZZZH	HOHVTHOH HOHVJHOH HOHVSHOH	HOHCWHOH HOHCYHOH HOHCVHOH HOHCZHOH HOHCXHOH HOHCAHOH	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
HOHZZZHOH 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 (ceodqgð)	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	nonHðnono	nonUanono
HOHEZHOH	nonHbnono	nonNðnono	nonHsnono
HOHFTHOH	nonNbnono	nonUðnono	nonNsnono
HOHFJHOH	nonUbnono		nonUsnono
HOHF'SHOH	nonHjnono	(DOQ)R L(ublijphmnr)	
HOHF'ZHOH	nonNjnono		(RBPG)R L(ublijphmnr)
HOHLTHOH	nonUjnono	nonFunono	
HOHLJHOH	nonHinono	nonFbnono	nonRunono
HOHLSHOH	nonNinono	nonFjnono	nonRbnono
HOHLZHOH	nonUinono	nonFnnono	nonRjnono

nonRnnono  
nonRpnono

nonBunono  
nonBbnono  
nonBjnono  
nonBnnono  
nonBpnono

nonPunono  
nonPbnono  
nonPjnono  
nonPnnono  
nonPpnono

nonGunono  
nonGbnono  
nonGjnono  
nonGnnono  
nonGpnono

straight>void  
(HMNUIJ)R L(vwyzx)

nonHvnono  
nonNvnono  
nonUvnono  
nonHwnono  
nonNwnono  
nonUwnono  
nonHynono

nonNynono  
nonUynono  
nonHznono  
nonNznono  
nonUznono  
nonHxnono  
nonNxnono  
nonUxnono

(WVYZXAKR)R  
L(ublijphmnr)

nonWunono  
nonWbnono  
nonWjnono  
nonWnnono  
nonWpnono

nonVunono  
nonVbnono  
nonVjnono  
nonVnnono  
nonVpnono

nonYunono  
nonYbnono  
nonYjnono  
nonYnnono  
nonYpnono

nonZunono  
nonZbnono

nonZjnono  
nonZnnono  
nonZpnono

nonXunono  
nonXbnono  
nonXjnono  
nonXnnono  
nonXpnono

nonAunono  
nonAbnono  
nonAjnono  
nonAnnono  
nonApnono

nonKunono  
nonKbnono  
nonKjnono  
nonKnnono  
nonKpnono

nonRunono  
nonRbnono  
nonRjnono  
nonRnnono  
nonRpnono

straight>open  
(HMNUIJ)R L(fts)

nonHfnono

nonNfnono  
nonUfnono

nonHtnono  
nonNtnono  
nonUtnono

nonHsnono  
nonNsnono  
nonUsnono

(CSEFLTZ)R  
L(ublijphmnr)

nonCunono  
nonCbnono  
nonCjnono  
nonCnnono  
nonCpnono

nonSunono  
nonSbnono  
nonSjnono  
nonSnnono  
nonSpnono

nonEunono  
nonEbnono  
nonEjnono  
nonEnnono  
nonEpnono

nonFunono  
nonFbnono  
nonFjnono  
nonFnnono  
nonFpnono

nonLunono  
nonLbnono  
nonLjnono  
nonLnnono  
nonLpnono

nonTunono  
nonTbnono  
nonTjnono  
nonTnnono  
nonTpnono

nonZunono  
nonZbnono  
nonZjnono  
nonZnnono  
nonZpnono

nonZhnono  
nonZhnono  
nonZhnono  
nonZhnono  
nonZhnono

full round >full round  
(DOQ)R L (ceodqgđ)

nonDonono  
nonDdnono  
nonDgnono  
nonDđnono  
nonFonono  
nonFdnono  
nonFgnono  
nonFđnono  
nonOonono  
nonOdnono  
nonOgnono  
nonOđnono  
nonQonono  
nonQdnono  
nonQgnono  
nonQđnono

full > small  
(DOQ)R L(as)

nonDanono  
nonDsnono  
nonFanono  
nonFsnono  
nonOanono  
nonOsnono  
nonQanono  
nonQsnono

(RBP)R L (ceodqg)

nonRonono  
nonRdnono  
nonRgnono  
nonRđnono

nonBonono  
nonBdnono  
nonBgnono  
nonBđnono

nonPonono  
nonPdnono  
nonPgnono  
nonPđnono

full > void  
(DOQ)R L(vwyzx)

nonDvnono  
nonDwnono  
nonDynono  
nonDznono  
nonDxnono

nonFvnono  
nonFwnono  
nonFynono  
nonFznono  
nonFxnono

nonOvnono  
nonOwnono

nonOynono  
nonOznono  
nonOxnono

nonQvnono  
nonQwnono  
nonQynono  
nonQznono  
nonQxnono

(WVYZXAKR)R L  
(ceodqgđ)

nonWonono  
nonWdnono  
nonWgnono  
nonWđnono

nonVonono  
nonVdnono  
nonVgnono  
nonVđnono

nonYonono  
nonYdnono  
nonYgnono  
nonYđnono

nonZonono  
nonZdnono  
nonZgnono  
nonZđnono

nonZonono	nonOfnonono	nonLonono	nonRwnono	nonZanono	
nonZdnono	nonOtnono	nonLdnono	nonRynono	nonZsnono	nonCsnono
nonZgnono	nonOsnono	nonLgnono	nonRznono	nonXanono	nonCanono
nonZðnonono		nonLðnonono	nonRxnono	nonXsnono	nonSsnono
	nonQfnono	nonTonono	nonBvnono	nonAanono	nonSanono
nonXonono	nonQtnono	nonTdnono	nonBwnono	nonĀsnono	nonEsnono
nonXdnonono	nonQsnono	nonTgnono	nonBynono	nonKanono	nonEanono
nonXgnono		nonTðnonono	nonBznono	nonKsnono	nonFsnono
nonXðnonono	(CSEFLTZ)R L (ceodqgð)		nonBxnono	nonRanono	nonFanono
		nonZonono		nonRsnono	nonLsnono
nonĀonono		nonZdnono	nonPvnono	small>open (RBPG)R L(fts)	nonLanono
nonĀdnono	nonConono	nonZgnono	nonPwnono		nonTsnono
nonĀgnono	nonCdnono	nonZðnonono	nonPynono		nonTanono
nonĀðnonono	nonCgnono		nonPznono	nonRfnono	nonZsnono
	nonCðnonono	small>small (RBPG)R L(as)	nonPxnonono	nonRtnono	nonZanono
nonKonono				nonRsnono	void>void (WVYZXAKR)R
nonKdnono	nonSonono		nonGvnono		L(vwyzx)
nonKgnono	nonSdnono	nonRanono	nonGwnono	nonBfnono	
nonKðnonono	nonSgnono	nonRsnono	nonGynono	nonBtnono	
	nonSðnonono	nonBanono	nonGznono	nonBsnono	nonWvnono
nonRonono		nonBsnono	nonGxnono		nonWwnono
nonRdnono	nonEonono	nonPanono		nonPfnono	nonWynono
nonRgnono	nonEdnonono	nonPsnono	(WVYZXAKR)R L(as)	nonPtnono	nonWznono
nonRðnonono	nonEgnono	nonGanono		nonPsnono	nonWxnono
	nonEðnonono	nonGsnono			
full>open (DOQ)R L(fts)			nonWanono	nonGfnono	nonVvnono
	nonFonono		nonWsnono	nonGtnono	nonVwnono
nonDfnono	nonFdnonono	small>void (RBPG)R L(vwyzx)	nonVanono	nonGsnono	nonVynono
nonDtnono	nonFgnono		nonVsnono		nonVznono
nonDsnono	nonFðnonono	nonRvnono	nonYanono	(CSEFLTZ)R L(as)	nonVxnono
			nonYsnono		

nonYvnono  
nonYwnono  
nonYynono  
nonYznono  
nonYxnono

nonZvnono  
nonZwnono  
nonZynono  
nonZznono  
nonZxnono

nonXvnono  
nonXwnono  
nonXynono  
nonXznono  
nonXxnono

nonAvnono  
nonAwnono  
nonAynono  
nonAznono  
nonAxnono

nonKvnono  
nonKwnono  
nonKynono  
nonKznono  
nonKxnono

nonRvnono  
nonRwnono

nonRynono  
nonRznono  
nonRxnono

void>open  
(WVYZXAKR)R L(fts)

nonWfnono  
nonWtnono  
nonWsnono  
nonVfnono  
nonVtnono  
nonVsnono

nonYfnono  
nonYtnono  
nonYsnono  
nonZfnono  
nonZtnono

nonZsnono  
nonXfnono  
nonXtnono  
nonXsnono  
nonAfnono  
nonAtnono

nonAsnono  
nonKfnono  
nonKtnono  
nonKsnono  
nonRfnono  
nonRtnono  
nonRsnono

(CSEFLTZ)R L(vwyzx)

nonCvnono  
nonCwnono  
nonCynono  
nonCznono  
nonCxnono

nonSvnono  
nonSwnono  
nonSynono  
nonSznono  
nonSxnono

nonEvnono  
nonEwnono  
nonEynono  
nonEznono  
nonExnono

nonFvnono  
nonFwnono  
nonFynono  
nonFznono  
nonFxnono

nonLvnono  
nonLwnono  
nonLynono  
nonLznono  
nonLxnono

nonTvnono  
nonTwnono  
nonTynono  
nonTznono  
nonTxnono

nonZvnono  
nonZwnono  
nonZynono  
nonZznono  
nonZxnono

open>open  
(CSEFLTZ)R L(fts)

nonCfnono  
nonCtnono  
nonCsnono  
nonSfnono  
nonStnono  
nonSsnono  
nonEfnono  
nonEtnono  
nonEsnono

nonFfnono  
nonFtnono  
nonFsnono  
nonLfnono  
nonLtnono  
nonLsnono  
nonTfnono  
nonTtnono

nonTsnono	nonbÐnono	noniVnono	
nonZfnono	nonðÐnono	nonjVnono	(kvwyzx)R
nonZtnono		nonuVnono	L(HMNUIKLPRBEFÐ)
nonZsnono	straight>small round (udlijgqhmna)R L(S)	nonaVnono	
Lowercase > UPPERCASE	nonnSnono	nonnYnono	nonkHnono
	nonqSnono	nonqYnono	nonkUnono
	noniSnono	noniYnono	nonkÐnono
	nonjSnono	nonjYnono	nonvHnono
straight>full round (udlijgqhmna)R L (CGOQ)	nonuSnono	nonuYnono	nonvUnono
	nonaSnono	nonaYnono	nonvÐnono
			nonwHnono
nonnOnono		nonnZnono	nonwUnono
nonqOnono	(s)R	nonqZnono	nonwÐnono
noniOnono	L(HMNUIKLPRBEF)	noniZnono	nonyHnono
nonjOnono		nonjZnono	nonyUnono
nonuOnono	nonsHnono	nonuZnono	nonyÐnono
nonaOnono	nonsUnono	nonaZnono	nonzHnono
			nonzUnono
			nonzÐnono
(bpo)R	straight>void	nonnXnono	nonxHnono
L(HMNUIKLPRBEFÐ)	(udlijgqhmna)R L(WVYZXA)	nonqXnono	nonxUnono
		noniXnono	nonxÐnono
nonoHnono		nonjXnono	
nonpHnono	nonnWnono	nonuXnono	straight>open (udlijgqhmna)R L(TJS)
nonbHnono	nonqWnono	nonaXnono	
nonðHnono	noniWnono		
nonoUnono	nonjWnono	nonnAnono	nonnTnono
nonpUnono	nonuWnono	nonqAnono	nonqTnono
nonbUnono	nonaWnono	noniAnono	noniTnono
nonðUnono		nonjAnono	nonjTnono
nonoÐnono	nonnVnono	nonuAnono	nonuTnono
nonpÐnono	nonqVnono	nonaAnono	nonaTnono

nonnJnono	nonoOonono	nonoZnono	
nonqJnono	nonpOonono	nonpZnono	noncOnono
noniJnono	nonbOonono	nonbZnono	nonfOnono
nonjJnono		nonđZnono	nontOnono
nonuJnono	full > small	nonoXnono	nonrOnono
nonaJnono	(bpo)R L(S)	nonpXnono	
		nonbXnono	small>small
	nonoSnono	nonđXnono	(s)R L(S)
nonnSnono	nonpSnono	nonoĀnono	
nonqSnono	nonbSnono	nonpĀnono	nonsSnono
noniSnono		nonbĀnono	
nonjSnono	(as) R L(CGOQ)	nonđĀnono	small>void
nonuSnono			(s)R L(WVYZXA)
nonaSnono	nonaOnono	full>open	
	nonsOnono	(bpođ)R L(TJS)	nonsWnono
(ctfr) R			nonsVnono
L(HMNUIKLPRBEF')	full > void	nonoTnono	nonsYnono
	(bpođ)R L(WVYZXA)	nonpTnono	nonsZnono
noncHnono	(kvwyzx)R L(CGOQ)	nonbTnono	nonsXnono
noncUnono		nonđTnono	nonsĀnono
nonfHnono	nonoWnono		
nonfUnono	nonpWnono	nonoJnono	(kvwyzx)R L(S)
nontHnono	nonbWnono	nonpJnono	
nontUnono	nonđWnono	nonbJnono	nonkSnono
nonrHnono	nonoVnono	nonđJnono	nonvSnono
nonrUnono	nonpVnono		nonwSnono
	nonbVnono	nonoSnono	nonySnono
	nonđVnono	nonpSnono	nonzSnono
	nonoYnono	nonbSnono	nonxSnono
full round >full round	nonpYnono	nonđSnono	
(bpoe)R L(CGOQ)	nonbYnono		small>open
	nonđYnono	(ctfr) R L(CGOQ)	(s)R L(TJS)

	nonyYnono	nonzTnono	nonrYnono
nonsTsnono	nonzYnono	nonxTnono	
nonsJnono	nonxYnono		noncZnono
nonsSsnono		nonkJnono	nontZnono
	nonkJZnono	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	nonfYnono	
nonwYnono	nonyTnono		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 round
	111911	111211	
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)	000300	116811	
	000900		007900
110411	009200	008900	002900
119411	009300	008800	007800
	009900	003900	002800
000400		003800	
009400	(654)R L (06)	005900	small > open
		005800	(8356) R L(239)
	116011	006900	
(72)R L (06)	116611	006800	118211
	115011		118311
117011	115611		118911
117611	114011	small > void	
112011	114611	(8356) R L(4)	113211
112611			113311
	006000	118411	113911
007000	006600	113411	
007600	005000	115411	115211
002000	005600	116411	115311
002600	004000		115911
	004600	008400	
full > open		003400	116211
(09) R L(239)	small > small	005400	116311
	(8356) R L(98)	006400	116911
110211			
110311	118911		008200
110911	118811	(72)R L(98)	008300
119211	113911		008900
119311	113811	117911	
119911	115911	112911	003200
	115811	117811	003300
000200	116911	112811	003900

fh, fk, fl, fb, fi, fj, ff, ft

005200  
005300  
005900

007400  
002400

open > open  
(654)R L(239)

L4 F7 6T T7

006200  
006300  
006900

void > open  
(72)R L(239)

116211  
116311  
116911  
115211  
115311  
115911  
114211  
114311  
114911

(654)R L(98)

117211  
117311  
117911  
112211  
112311  
112911

116911  
116811  
115911  
115811  
114911  
114811

007200  
007300  
007900  
002200  
002300  
002900

006200  
006300  
006900  
005200  
005300  
005900  
004200  
004300  
004900

006900  
006800  
005900  
005800  
004900  
004800

(654)R L(4)

void > void  
(72)R L(4)

116411  
115411  
114411

collisions U>L & L>U  
  
fT fY  
Qj Qy Qp Qj F1 tA gT gV  
gX

117411  
112411

006400  
005400  
004400

jj, jy, qj, qg, gg, gp, gy,

