

بسم الله الرحمن الرحيم

المملكة العربية السعودية

كلية الدعوة والإعلام

()

مع تقويم للمواقع الدعوية الخليجية

..

.

/

•
•

•
•

•
•

•
•

•
•

•
•

•
•

﴿ يَتَأَيُّهَا الَّذِينَ ءَامَنُوا اتَّقُوا اللَّهَ حَقَّ تَقَاتِهِ وَلَا تَمُوتُنَّ إِلَّا وَأَنْتُمْ مُسْلِمُونَ ﴾ (١)

﴿ يَتَأَيُّهَا النَّاسُ اتَّقُوا رَبَّكُمُ الَّذِي خَلَقَكُمْ مِنْ نَفْسٍ وَاحِدَةٍ وَخَلَقَ مِنْهَا زَوْجَهَا وَبَثَّ مِنْهُمَا رِجَالًا كَثِيرًا وَنِسَاءً ۚ وَاتَّقُوا اللَّهَ الَّذِي تَسَاءَلُونَ بِهِ وَالْأَرْحَامَ ۚ إِنَّ اللَّهَ كَانَ عَلَيْكُمْ رَقِيبًا ﴾ (٢)

:

()

()

()

()

()

()

()

()

()

/

()

() ()

:

() (E.Mail)
()

(Mailing Lists)

() (www)

()

(News Groups)

(Forums)

()

(www.sultan.org)

(Electronic Mail)

(World Wide Web)

()
()
()
()
()
()

() (FTP)

(Hosts)

()

(Files)

(Chat)

()

(CD)

(File Transfer Protocol)

()
()

()

(.. .. /)

()

• =

•

• = =

()

() ()

() (

()

)

()
()

(America On Line) ()

(Quantum Computer Service)

America On)

(IBM)

(AOL) (Line

()

()

.

()

.

()

:

:

:

):

(

:

:

.

:

:

=

.

)

(

)

(

.

():

.

:

:

()

=

=

.

.

-

:

=

.

=

=

.

(www.muslimonline.com)

:

(www.islamonline.net)

:

.

:

:

1

:

2

3

≠ ≠

:

1
2
3
4
5
6
7
)

(

.()

:

)

(

()

.

() :

.

)

(

:

:

.

()

.

.

:

()

.

()

:

=

)

:

(

.

.

.

. (www.maya.org) ()
()

:

.

()

.

= ()

:

:

() ()

:

() ()

:

()

:

= ()

(=)

/

()

: ()

:

.

,

()

//

()

()

:

. (www.alriyadh-np.com/rnet/tah.html)

()

. (www.iawmag.co.ae/survey/inetuses/survey.html)

()

. (www.iawmag.co.ae/issue0211/inetusage.html)

:

.

:

· ,

,

:

.

:

,

· (

,

,

,

,

)

· =

)

)

.

=

(

(

.

.

()

:

=

.

=

.

:

.

.

.

:

:

=

.

()

=

(....)

()

=

.

.

:

.

:

:

=

:

:

()

()

()

()

()

.()

=

:

:

:

()

:

.

)

.^()(

)

=

)^()(

.^()(

.

:

:

:

()

() ()

()

هُوَ الَّذِي بَعَثَ فِي الْأُمِّيِّينَ رَسُولًا مِّنْهُمْ يَتْلُو عَلَيْهِمْ آيَاتِهِ وَيُزَكِّيهِمْ وَيُعَلِّمُهُمُ
الْكِتَابَ وَالْحِكْمَةَ وَإِن كَانُوا مِن قَبْلُ لَفِي ضَلَالٍ مُّبِينٍ ﴿١٠١﴾

()

()

()

.(www.islam.org.sa)

. (www.islam.gov.qa)

: ()

() (www.islamonline.net)

() (www.islamweb.net)

(www.alharamain.org)

(www.eslah.org)

(www.binbaz.org.sa)

(www.ibnothaimen.com)

(www.qaradawi.net)

(www.islam-qa.com)

. (medinacenter.org)

. (www.salafi.net)

()

()

:

⋮

()

⋮

⋮

⋮

⋮

⋮

⋮

⋮

⋮

()

⋮

⋮

⋮

()

⋮
⋮
⋮
⋮
⋮
⋮

⋮

()

()

:

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

:(
() ()
:

): () ()

:(﴿ رَبَّنَا وَأَبْعَثْ فِيهِمْ رَسُولًا مِّنْهُمْ ﴾ ()

):

()

()

()

()

()

()

() () :

() ()

)

()

()

()

()

()

()

() / ()

()

()

()

()

∴ ()

:

.

() (

):

∴ ()

()

∴ ()

∴ () ()

∴ ()

:

)

∴ () (

) (

()

()

()

()

()

()

()

()

()

()
()

()
()

﴿ هُوَ الَّذِي بَعَثَ فِي الْأُمِّيِّينَ رَسُولًا مِّنْهُمْ يَتْلُوا عَلَيْهِمْ آيَاتِهِ وَيُزَكِّيهِمْ وَيُعَلِّمُهُمُ
الْكِتَابَ وَالْحِكْمَةَ وَإِنْ كَانُوا مِنْ قَبْلُ لَفِي ضَلَالٍ مُّبِينٍ ﴾ ()
()

﴿ يَتْلُوا عَلَيْهِمْ آيَاتِهِ ﴾ :

﴿ وَيُزَكِّيهِمْ وَيُعَلِّمُهُمُ الْكِتَابَ ﴾ :

﴿ وَيُعَلِّمُهُمُ الْكِتَابَ وَالْحِكْمَةَ ﴾ :

()

()
()

)

(

()
()
()

()
()
()

() () ()

:

:

:

:

:

()

﴿ وَإِنَّكَ لَعَلَىٰ خُلُقٍ عَظِيمٍ ﴾ () .

()

:

﴿ وَأَنْذِرْ عَشِيرَتَكَ ﴾ :

﴿ الْأَقْرَبِينَ ﴾ ()
()

:

()
()
()

()
()

() : () () ()

:

()

" "

:

:

() : ﴿ وَأَنْذِرْ عَشِيرَتَكَ الْأَقْرَبِينَ ﴾ ()

:

:

()

()

()

()

()

()

()

()

:

()

()

()

()

):

.

=

()

(

()

=

:

.

)

=

() (.

(=)
()

:

:

):

.

(_____) ()

.

()

. () (

() () :

) :

) :

(

. () (

) :
(

) :
() (

() (

) :

(

) :

()

:

()

()

. (www.dweesh.com)

()
()
()
()
()

:

()

﴿ وَمَا كَانَ الْمُؤْمِنُونَ لِيَنْفِرُوا كَافَّةً فَلَوْلَا نَفَرَ مِنْ كُلِّ فِرْقَةٍ مِّنْهُمْ طَائِفَةٌ لِّيَتَفَقَّهُوا فِي الدِّينِ وَلِيُنذِرُوا قَوْمَهُمْ إِذَا رَجَعُوا إِلَيْهِمْ لَعَلَّهُمْ يَحْذَرُونَ ﴾ ()

﴿ فِي الدِّينِ ﴾

: ﴿ لِّيَتَفَقَّهُوا ﴾ :

: ﴿ وَلِيُنذِرُوا قَوْمَهُمْ إِذَا رَجَعُوا إِلَيْهِمْ ﴾ :

()

(

)

()

:

)

= =

() (

:"

"

)

()

(

:

= = =

:

)

:

:

:

()

:

﴿ رَبَّنَا لَا تُؤَاخِذْنَا إِن نَّسِينَا أَوْ أَخْطَأْنَا ﴾ ()

﴿ وَلَيْسَ عَلَيْكُمْ جُنَاحٌ فِيمَا أَخْطَأْتُمْ بِهِ ﴾ ()

()

()

()

()

()

. () (: .

:

=

()

=

=

.
()

.

()

() =

=

.

()
()

()

()

.

=

:

.

.

:

()

=

):

(

()

=

.

.

()

()

=

()

.



.

)

()

(

//

()

()

:

()

()

:

:

.

.

∴

.

()

()

() ()

()

()

(www.islamyesterday.com)

(www.islamalways.com)

:

(www.islamtomorrow.com)

()

()

()

(www.dweesh.com)

()

/ /

(www.islamonline.net/livedialogue/arabic/Browse.asp?hGuestID=us9u59)

(www.islamtoday.com)

/

()

(www.islamtoday.net)

(net)

يُحْيِي خُذِ الْكِتَابَ بِقُوَّةٍ ﴿١﴾

= = = =

:

وَجَعَلَنِي مُبَارَكًا أَيْنَ مَا كُنْتُ ﴿٢﴾

=

=

()

()

:

)

()

:

.

()
()
()

() :

:

() :

() .

:

﴿ الَّذِينَ إِنْ مَكَّنَّهُمْ فِي الْأَرْضِ أَقَامُوا الصَّلَاةَ وَآتَوُا الزَّكَاةَ وَأَمَرُوا بِالْمَعْرُوفِ
وَنَهَوْا عَنِ الْمُنْكَرِ ۗ لِلَّهِ عَاقِبَةُ الْأُمُورِ ﴾ ()

()

()

()
()

()
()
()

()

=

=

.

)

() (

كثيراً ﴿ () .
﴿ لَقَدْ كَانَ لَكُمْ فِي رَسُولِ اللَّهِ أُسْوَةٌ حَسَنَةٌ لِّمَن كَانَ يَرْجُوا اللَّهَ وَالْيَوْمَ الْآخِرَ وَذَكَرَ اللَّهَ

()

: ﴿ أُولَئِكَ الَّذِينَ هَدَى اللَّهُ فَبِهِدْنَاهُمْ أَقْتَدِهِ ﴾ () .

)

() (

()
()
()
()
()

()

()

:

()

:

﴿ أَذْهَبَ بِكِتَابِي هَذَا فَأَلْقَاهُ إِلَيْهِمْ ثُمَّ تَوَلَّى عَنْهُمْ فَانظُرْ مَاذَا يَرْجِعُونَ ﴾ ()

()

)

() ()

: ()

()
()

(ICQ) (mIRC)

(Yahoo Messenger)

.

:

.

=

() (

.

.

()

.

:

:

.

.

()

()
{
}

=

=

=

=

.
=

.

:
=

.
()

)

(

.

=

.
()

:

. ()

.
()

()

(

)

()

. ()

()

. () ()
= ()
= ()
()
() ()

:// ()
: (http://www.islamonline.net/livedialogue/arabic/Browse.asp?hGuestID=nj74x1)
(www.geocities.com/athens/Delphi/7687)

. (www.iananet.org) (IANA) ()
()
(www.islamway.com/ara/printarticle?article_id=273) ()
() ()
() ()

()

= = =

= =

()

()

(Pal Talk)

()

()

() ()

()

()

(<http://www.islamonline.net/Arabic/news/2002-07/28/article19.shtml>)

(news.bbc.co.uk/hi/arabic/press/newsid_2200000/2200819.stm)

(www.jewstoislam.com)

(jewstoislam)

()

(Pal Talk)

()

()

()

()

(www.islamonline.net/Arabic/news/2004-12/21/article11.shtml) :

(www.southbendtribune.com/stories/2004/12/16/faith.20041216-sbt-MICH-D1-A_new_life_and.sto)

()

() .

/ /

()

. (www.islamonline.net/Arabic/In_Depth/BackToAllah/Articles/2004/12/05.SHTML)

() : () () ()
 () : () () ()
 (Computerization) : (Computerized)
 (Cutter)
 (Calculator , Computer)
 ()
 () : ()
 (Compute) : (Computer) () ()

()

()

()

()

()

()

()
()

(Binary Digit)
(Binary System)

(Bit)

(Byte) ()

American Standard Committee of)

(ASCII)
(Information Interchange

()

()

(Hardware) :
:

(Software) :

:

:

(Key Board)

:

() (Ctrl+s)

()

() ()

(Control)
(Tab) (Save)
(Esc) (Alt)

(Ctrl) _____ ()

(S)
(Enter) :

(F12) (F1)

()

()

()

() (Mouse)

() (Serial Port)

() (PS/2)

(Monitor)

:
()

(Real Player)

(Windows Media Player)
(Douglas Engelbart)

()

()

()

(com2)

(com1)

(com)

()

(www.webopedia.com/TERM/S/serial.html)

(IBM)

(Personal System/2) ()

(CRT)

(www.webopedia.com/TERM/P/PS_2_port.html)

(Cathod Ray Tube)

()

()

:

() (D-SUB)

() (DVI)

()

(Screen Saver)

)

:

() (

()

()

(Liquid Crystal)
()

(LCD)

()
(Captive)

(Digital Video Interface) (DVI) ()

()

:

()

()

()

() =

()

= =

=

=

.

=

=

.

.

()

(My Pictures)

. (Any Image Screen Saver)

.

=

=

:

()

(www.maknoon.com)

()

. (www.islamicfinder.org)

()

()

=

.

()

. (http://ara.amnesty.org/pages/screensavers-ara) :

()

(My Pictures)

. (www.rjlsoftware.com/software/desktop/anyimage)

()

. (My Pictures) = (Any Image)

(www.maknoon.com)

()

. (www.islamicfinder.org)

()

.

(Speaker)

= :

()

= =

()

(Printer)

()

=

()
()

(cda)

(Scanner)

()

= =

=

=

.

. () (Parallel Port)

() (Camera)

()

. () (FireWire)

() (Floppy Disk Driver)

() (Floppy Disk)

()

(LPT1)

(LPT)

(LPT2)

. (www.webopedia.com/TERM/P/parallel_port.htm)

()

(Digital)

()

(Fire Wire)

(www.1394ta.org)

(IEEC 1394)

()

(DVD)

(mp3)

(USB)

(Fire Wire)

()

(Disc)

(Disk)

()

() (USB)

(Compact Disk Driver)
() (CD)

:
(CD-Recordable) (CD-R) :

(Nero) (CD-RW) :

() (CD-ROM)

() (CD-ReWriter)

() (Motherboard)

()

:

(Universal Serial Bus) ()

(USB)

:

(www.c4arab.com/showlesson.php?lesid=386) (<http://computers.arabcomputing.com/USB.html>)

(www.usb.org)

(CD) ()

() (Compact Disk)

(Read Only Mode) (ROM) ()

(re) ()

()

:

()

(Processor)

() ()

() ()

() (RAM)

()

(Hard Disk)

()

(D-Sub)

(Intel)

(Pentium 4)

()
()

(www.amd.com)

(AMD)

(www.intel.com)

(Intel inside)

(Athlon)

(Random Access Memory)

(RAM) ()
()

()

≡ ≡

()

(VHS)

(VHS)

_____ : ()

(TV Tuner)
(S-Video)

(Composite)

(RCA)

(Y) (Pr)

(Component)
(Pb)

(Digital Video Interface) (DVI)

(out) (in)

(www.si87.com)

(Adapter) (Projector)

(VHS)
(DVD) (SVCD) (VCD) :
:

()

()

(Windows Movie Maker)

(Sound Card)

: ()

()

()

()

:
Edit DV) (Adobe Premiere 5.1) :

(Vegas Video 2.0) (Media Studio Pro 6.0) (2.0

(Pinnacle Studio version 7) :

(Show Biz 1.1) (Power Director 2.0 Pro) (Movie DV 4.0) (Cinematic)

(Ulead Media Studio Pro 6.5) (Ulead Video Studio 6) (Adobe Premiere 6)

(Win Producer 2) (Video Wave 5) (Video Factory 2.0) (Video deluxe)

(Pinnacle Studio version 7)

(Screenblast Movie Studio 2.0) :

(Ulead Video Studio 7) (Microsoft Windows Movie Maker 2) (Dazzle Movie Star 5)

(Screenblast Movie Studio 2.0) (Win DVD Creator Plus)

(Driver) ()

()

()

()

()

() () ()

()

(Digital Sound Recorder) (1st Sound Recorder) : ()
(Adobe Audition)

(Syntrillium) (Cool Edit Pro)

(Cool Edit) (Cool Edit Pro)

(www.adobe.com/special/products/audition/syntrillium.html)

(Audio Out) (Stereo) ()

(Audio in)

(L) (R)

(Line In) (Audio In) ()

(Mic In) ()

()

(Line Out) (Microphone) (Line In)

(Audio Out) ()

(Speaker)

()

() (Modem)

:

()

:

:

(PS/2)

:

(Adapter)

(PS/2)

()

()

()

(www.arabization.org.ma)

()

(Female)

(Male)

:

(www.webopedia.com/TERM/P/port.html) :

(www.alamalcomputer.com/01092002/102957news.htm)

() .

:

:

() (InfraRed)

≡ ≡

() (Bluetooth)

≡

.
.

()

≡

.

. (IR) ≡ ()
()

(Harold Bluetooth)

≡

,

):
(

. (www.bluetooth.org)

= () () ()

()

()

// :

: (Video Clip) ()

// . (www.islamonline.net/arabic/arts/2004/04/article09.shtml) //

// . (www.islamonline.net/arabic/adam/2004/07/article11.SHTML) ()

// // . (www.alriyadh.com.sa/Contents/31-07-2004/RiyadhNet/COV_1335.php)

// : // . (http://writers.alriyadh.com.sa/kpage.php?art=19907&ka=16) ()

(Cabir) ()
(Nokia 6600)

// // . (www.alriyadh.com.sa/Contents/25-06-2004/RiyadhNet/COV_1309.php)

()

()

()

:

:

:

()

(Operating System Program)

()

() (.)

(PC-DOS)

() (MS-DOS)

(IBM)

() ()

//

(www.alriyadh.com.sa/Contents/20-08-2004/Mainpage/COV_2351.php)

(SMS) ()

(MMS) ()

()

()

()

(MVS \ ESA)

(Unix)

(IBM)

(DOS)

(Microsoft)

(MS)

()

(Disk Operating System)

(Assistance Programs)

:

(Applications Programs)

:

. (Word)

. (Power Point)

. (Photoshop)

. (Access)

. (Excel)

:

. (Windows Media Player)

(Real Player)

(Outlook Express)

:

(Flash Get)

(Internet Explorer)

(Pal Talk)

(Yahoo Messenger)

(Windows Messenger)

. (mIRC)

:

.

:

()

()

()

(Windwos)

:

()

:

:

:

(Accessing The Internet By E-mail Gerald E. Boyd Version 10.2-April 2002)

. (www.faqs.org/faqs/internet-services/access-via-email)

()

(IE6)
()

(Internet Explorer 6) :

()

()

(Word)

()

() ()
()

: ()

()

()

(Win Zip)

()

. (enable)

(local)

(Internet Explorer)

() (Uninstall)

()

()

()

(Un)

(Install)

(Uninstall) ()

:
 :
 :
 ()
 :
 () :
 (Disktop) :
 (IBM) () (Mac OS X) () (IBM)
 : (IBM) ()
 ()
 ()

 ()
 ()
 (IBM-PC) (IBM) ()
 (PC-DOS)
 ()
 (IBM)
 (IBM) ()
 (www.mac.com) (www.apple.com) : ()
 ()
 IBM , Acer , DTK) :
 (Vigitec , Compaq , Dell , Everex
 : ()

(Portable) :

:

:

() (Notebook)

.

)

() (

(Tablet PC)

()

()

() (Notebook) ()
 (LapTop) ()
 ()
 ()
 ()

()

()

()

() (Palmtop)

()

()

(Windows XP Tablet PC Edition) ()

(Acer)

(Travel Mate C302XMi)

()

(Palm) ()

(Pocket PC)

(Personal Digital Assistants)

(PDA)

() ()

() (Arabic Palm)
() (Windows Mobile)

() (Smart Phone)

()
()

(Symbian) (Windows Mobile)

(APOS)

()
(Arabic Palm Operating Sestem)

(www.palm4arabs.com)

(iplog4.suhuf.net.sa/2001jaz/oct/30/ev1.htm)
(Qtek) (I-mate) ()

(Qtek 2020)

(Windows Mobile) (Microsoft Windows for Pocket PC)
(Windows Smart Phone 2002)

(RealOne Player)
(ram) (rm) (mp4) (amr) (3gp)

()
()
()

() (Symbian)

() (Series 60)

)

()

() (UIQ)

()

()

()

()

:

()

(Series 80)

(Communicator)

() (Communicator 9500)

()

(www.symbian.com)

()

(symbian)

()

(www.nokiamena.com/arabic/phones/technologies/symbian/index.htm)

(www.siemens.com)

(SX1)

()

(User Interface Quartz)

(UIQ)

()

(www.mobile4arab.com)

(User Interface Quartz)

(P910a)

(P910i)

(P900)

(P800)

()

(www.sonyericsson.com)

(A1010)

(A1000)

(A925)

(A920)

()

(www.motorola.com)

(www.benq.com)

(P31)

(P30) :

()

(Smart Phone U300) (Smart Phone) :

()

(www.arima.com.tw)

(www.uiq.com)

()

()

(www.nokiamena.com/arabic/phones/models/9500/index.htm)

()

(UIQ)

: () (Series 80)

()

(Wearable Computer)

()

()

(Wrist PDA)

:

() (onhandpc)

(DOS)

()

()

()
()

(I Mate Smartphone 1) :

(Nokia N-Gage)

()

. (www.albayan.co.ae/albayan/2001/08/29/ola/14.htm)

()

(mmp)

(exf)
(snd)

()

(pconhand) (onhandpc)

. (www.pconhand.com)

()

()

(Linux) (fossil)
 (IBM)
 ()
 (Spot)

()

(Spot)

() (FM)

(jalal@cyberdudez.com) ()

(www.cyberdudez.com/index.html)
 : (Pocket Quran)

(UIQ) (Series 80) (Series 60) :

(exf) (onhandpc)
 (www.palmquran.com)

(slamslam.jeeran.com/1425/igraguran.htm)

()

(www.fossil.com/jump.jsp?itemID=2071&itemType=CATEGORY)
 (www.research.ibm.com/WearableComputing/factsheet.html) ()
 ()
 ()

(www.msndirect.com/watches/default.htm)

=

=

=

=

=

=

()

.

:

()

.

(Autocad)

. (www.cb4a.com)

(Computre Books for Arabs)

{ }
{ }

(XP)

(XP)

()

()

()

:

()

(3-D Visual)

(IDG Books)

)

@

(

()

(Personal Computer Magazine)

(PC Magazine) ()

(IBM)

(DIT)

()

()

()

()

()

:

.

=

=

=

.

(DIT)

()

=

(Chain Letters)

:

.

=

()

. (www.internethorizon.com)

. (www.itp.net/arabic)

()

()

:

()

()

. (www.ahram.org.eg)

()

()

()

()

()

()

()

)

(

()

(Clip)

()

(help)

()

()

() ()

:
()

() (FAQs)

(Internet FAQs Consortium)
(www.faqs.org)

()

()

comp.graphics.apps.iris-explorer
comp.graphics.apps.lightwave
comp.graphics.apps.pagemaker
comp.graphics.apps.paint-shop-pro
comp.graphics.apps.photoshop
comp.graphics.apps.softimage
comp.graphics.apps.ulead
comp.graphics.apps.wavefront
comp.graphics.apps.alias
comp.graphics.apps.avs
comp.graphics.apps.cinema4d
comp.graphics.apps.corel
comp.graphics.apps.data-explorer
comp.graphics.apps.freehand
comp.graphics.apps.gimp
comp.graphics.apps.gnuplot

()

comp.apps.spreadsheets
comp.apps.spreadsheets

(Frequently Asked Questions)

(FAQs) ()

= =

() ()

: () () :

() () :

: :

()

=

=

() ()

()

() (Protocol)

() ()

() ()

() ()

() ()

() ()

(FDDI) (TOKEN-Ring) (ARCnet) (ETHER Net) :

() ()

:

.

()

=

.

(NFS)

(Net BEUI)

()

:

:

:

:

(Cables)

()

()

()

=

.

() . (Wi Fi)

()

:

:

() (LAN)

()
 ()
 ()
 ()

()

(Local Area Network) ()

()
() (WAN)

()
(Extra Net) (Intra Net)

() (Intra Net)

(Intra Net)
(Intra Net)

(Internet Explorer)
(Intra Net)

(Extra Net) (Extra Net)

(Extra Net)

() (Firewalls)

()

()

(WIDE AREA NETWORK) ()

()
()

()

: (International) :

:
() (Internet)
(Network)

= ()

()

() =

:

: =

. () (

:

. () (

(UN)
America On Line

(United States of America)
(AOL) (United Nations)

(USA)

()
()

()
()

()

()

)

() (.

() . (Gateway)

:

()

(Cables)

()

()
()

//
 . (www.fantookh.com/displayissue.asp?issue_no=252)

()

(FLAG)

()

:

(FOG)

:

:

()
() (ARPA)
() (NASA)

()

ARPA)

. () = () (Net

. ()
= = (ARPA Net)

:

(MIL Net)

ARPA)

. () (Net

() (NSF Net) (ARPA Net)
()

. (ADVANCED RESEARCH PROJECT AGENCY) (ARPA) ()
. (National American Space Agency) (NASA) ()
) (Advanced Research Project Agency Network) (ARPANET) ()
()
()

. (National Science Foundation) ()
. (National Science Foundation Network) (NSF) ()
. (www.alriyadh-np.com/rnet/23-10-2000/learn1.htm) (NSFNET) ()
()

() (ARPA Net) (NSF Net) (ARPA Net)
()
(NSF Net)

(NSF Net) ()

(Internet 2)

()
() (www.internet2.edu)

:

/ /

()

()
()
()
()

()
()

() :

(Easy Net)

(Dial up)

(DSL)

(IP)

(GPRS)

(Leased line)

﴿ وَمَنْ أَحْسَنُ قَوْلًا مِّمَّنْ دَعَا إِلَى اللَّهِ وَعَمِلَ صَالِحًا وَقَالَ إِنَّنِي مِنَ الْمُسْلِمِينَ ﴾^(١)

()

()

()

() ()
(=

) :

) : ()

()

()

(Internet 2)

()

()

(Netvision)

(WFD) ()

(American Express)

(m0sad)

: ()

(Outlook Express)
:

(Microsoft Outlook)

(Internet Explorer)

www.arab-

(www.svuonline.org)

. (ou.com

. ()

()

. ()

()

()
()

@

()

. (server1.alriyadh.com.sa/rnet/02-12-2001/market.html#127)

()

(Application Service Providers)

()

()
()

:)

()

:

@

()

. (server1.alriyadh.com.sa/rnet/21-01-2002/proxy.html#158)

()

. (www.fantookh.com/displayissue.asp?issue_no=119)

()

:

()

. (writers.alriyadh.com.sa/kpage.asp?art=6336&ka=199)

()

()

:

() (TCP/IP) :

. (TCP/IP)

(TCP/IP) (TCP/IP) (IP)
() .

. () (IP)

(IP)

(IP)

() .

)
)

()

(tracet

(www.visualroute.com

. (http://212.162.130.36/displayissue.asp?issue_no=252) :

. (Transmission Control Protocol / Internet Protocol)

()

()

. ()

()

:

()

(IP)

(Who is)

(IP)

(IP)

(ICCAN)

(IP)

(IP)

()

() . (198.65.147.194) (www.islamonline.net)

() (

(IP)

(IP)

(www.arin.net) (arin)

(www.ripe.net) (ripe)

(www.apnic.net) (apnic)

(URL)

//

(http://212.162.130.36/displayissue.asp?issue_no=76)

(DOS)

(ping)

(IP)

(Ping)

(ping www.islamonline.net) :

()

()

(IP)

()

: (IP)

(IP) : (IP)

(IP)

()

()

(ICANN)

(IP)

:

(IP)

() (DNS)

(IP)

(www.islamonline.net)

()

() (ICANN)

(www.fantookh.com/displayissue.asp?issue_no=164) ()

(IP)

()

(IP)

(IP)

(http://212.162.130.36/displayissue.asp?issue_no=174)

: (Internet Corporation for Assigned Names and Numbers) (DNS) () (ICANN) ()

:
 ()
 =
 ()
) (sa) :
 = (uk) (ae
 () (ISO)
 ()
 : (IP)
 (IP)

: (IP) (IANA)
 (IP) . (TCP)
 (net) (Commercial) (com) : ()
 (ICANN) (Organization) (org) (Network)
 (coop) (museum) (biz) (info) (aero)
 (edu) (pro) (name)
 (gov) (mil)
 (us)
 ()
 = (sa)
 (International Organization for Standardization) (ISO) ()
 (www.iso.ch)
 . (www.saso.org.sa) ()

(DNS) (Domain Name Service) (IP)):

() (.

:

(ICANN)
(Registrars)

() .

:

(saudinic)
. (www.saudinic.net.sa)

:

(www.islamway.com)

()

//

//

(www.fantookh.com/displayissue.asp?issue_no=156)

()
()

()

(

)

(.)

()

.

:

=

=

=

.

(ICANN)

=

=

.

=

.

.

=

=

.

(whois)

.

(Snap Names)

()

" com "

)
" Commercial

:

"

" business.com

() (.

()

) //
(

) // ()
()

()

()

(Yahooindia.com)

(Yahoo.com)

(Yahooindia.com)

()

()

()

(microsoftoffice.com) (microsoftwindows.com)

()

(www.unclaimed-domains.com) (www.dnsresearch.com)
(www.webdeveloper.com)
(www.tasjeel.com)

()

() (

(IAB)

(ISOC) _____ : ()
· (IETF)
·

:

.

.

.

=

()

(Real Networks)
()
" NSA "

:
(Real Player)

)

()

Real)

(Real Jukebox)

(www.real.com)

(Networks)

!

()

() (

Yahoo)

(Player

() ! ()

() () = = ()

()

:

(National Security Agency) (NSA) ()
(NSA)

//
(www.fantookh.com/displayissue.asp?issue_no=218)

()
()

(hack) (hacker) ()
(hack) ()
() ()

(MIT)

!

(hackers)
() ()
() () ()

(TCP/IP)

()

:

/ ()

. (<http://server1.alriyadh.com.sa/rnet/11-05-2001/tah.html#186>)

:

()

.

: ()

()

:

)

.

.

() (.

() ()

// @

. (<http://www.alriyadh.com.sa/rnet/20-07-2001/proxy.html>)

()

()

()

" "

" "

" "

//

. (<http://www.islam-online.net/iol-arabic/dowalia/scince-14/scince1.asp>)

()

()

()

() (Stealth Virus)

()

()

// ()

//

(http://212.162.130.36/displayissue.asp?issue_no=108)

()

()

()

()

()

()

()

()

(Zelu)

(Chip Tech)

(www.fantookh.com/displayissue.asp?issue_no=78)

() (Trojan Horses)

·
:
:

()

(Microsoft Outlook) (Outlook Express)

()

_____ () ()

()

@ // ()

(http://www.aliyadh.com.sa/rnet/06-08-2001/proxy.html) ()

()

(Patch)
!

(VTP)

(VTP)

()
) (() ()
() () () ()

()
()

=

.

.

.

()

.

:

:

= = .)
= = . () ()

:

() .

:

: ()
= = . () ()

:

:

()

()

()
()

. (www.fantookh.com/displayissue.asp?issue_no=36)
() ()

()

()
()

:

//

. (www.islamonline.net/completesearch/arabic/mDetails.asp?hMagazineID=22097)

()

()

()

(log-in)

()

!

()

() (Denial of Service)

":

"

" "

" "

"

. " gR0oPzZz!

. (HOPE)

(DEFCON)

()

()

()

()

() (Sub Seven)
(Trojan Hunter)

() ()

()

() (

()

(Sub Seven) ()

(IP)

(ICQ)

(Back Orifice) (Net Bus)

//

@

()

(Master Key)

//

(Master Key)

//

()

//

()

()

. ()

()

()

:

=

. =

// =

_____ ()

() //

() // () // () ()

//

//

()

:

(TCP/IP)

() ()

()

()

(scripts) ()

(plug-ins)

(ASPs)

() ()

() ()

(www.fantookh.com/displayissue.asp?issue_no=250) ()

(www.fantookh.com/displayissue.asp?issue_no=134) ()

(Port Scan)

()

:

:

: ﴿ وَمَنْ يَتَوَكَّلْ عَلَى اللَّهِ فَهُوَ حَسْبُهُ ﴾ .

:

: ﴿ وَمَنْ يَتَّقِ اللَّهَ تَجْعَلْ لَهُ مَخْرَجًا ﴾ .

: ﴿ وَمَنْ يَتَّقِ اللَّهَ تَجْعَلْ لَهُ مِنْ أَمْرِهِ إِسْرًا ﴾ () .

()

()

()

()

()
()

()

(www.fantookh.com)

//

()

(www.fantookh.com/displayissue.asp?issue_no=36)

(Telnet)

()

()

(FBI)

(IP)

(IP)

()

()
() () : ()

:
(CD)

() (DVD)
() ()
DVD-) (DVD+RW) (DVD-RW) (DVD-RAM) :

: ()
()
()
) (Digital Versatile Disk) (DVD) ()
()

(DVD-ROM) (DVD+R) (R)
 (DVD-Writer) (DVD)
 (DVD)
 (CD) (CD) (DVD) (DVD)
 (DVD) (DVD)

External) : (Storage System

() (Memory Card)

Multi) (SIM)
 (Secure Digital) (MMC) (Media Card)
 (SD)

(Super Multi DVD Eriter GSA-4040B) (LG) ()
 (IBM Microdrive) (PC Card) ()
 (PC Card) (Cmpact Flash)

() ()
(Projector)

Memory)

(Card Reader
(USB Memory Key)

()

()

(Aspire RC 500) (Acer) ()
: (Secure Digital) (SD) (Multi Media Card) (MMC)
(Memory Stick) (MS)
(xD-Picture Card) (XD) (Smart Media) (SM)
(Compact Flash II) (CFII) (Compact Flash I) (CFI)
(MMC) (Nokia 6600) ()
()
()

// //

:

() (Internet Explorer)

()

(Verisign) (plug-ins)

(Norton AntiVirus) : (www.symantec.com)
()

()

() :

/ ()

- (eTrust EZ Armor Suite) (Command Antivirus) (AVG 6.0 Professional)
- (McAfee VirusScan 6.0) (Kaspersky Anti-Virus) (F-Secure Anti-Virus)
- (Trend Pc-cillin 2002) (Norton AntiVirus 2002) (Norman Virus Control 5.2)
- (Panda Antivirus Platinum 6.0)

()

()
(Zone Alarm)

()

(Sygate Personal Firewall)

(Digital Portal 3.2f) (Antiy Chostbusters Professional Edition 3) (Anti-Trjgan 5.5) ()
(Trojan Remover) (TDS-3 Trojan Defence Suite) (Tausscan 1.6) (Pest Patrol) ()

()

()

(Zone Labs)

!

(Check Point)

()

∴
() () (IP)

)

()

() (

∴

()

//
(www.fantookh.com/displayissue.asp?issue_no=172)

()
()

//

(http://64.55.151.101/rnet/20-07-2001/proxy.html)

@

()

(Windows Explorer) (Word) ()

(Cookies)

() (Cookie)

@) (txt) () (Word)

· = = : ()

()

()

(Internet Explorer) ()

(Cookie) ()

(ebraheem@mobile4arab[2].txt) ()

(Ctrl+A) (Cookies) ()

()

(intifadah)

) :

. () (

(IRC)

(IP)

(/dns nickname)

(IP)

(IP)

()

()

()

//

(http://212.162.130.36/displayissue.asp?issue_no=109)

()

()

(protection) (Boots)

(Scripts)
(entertainment)

(war)

()

(IRC Trojan Scanners)

. ()

:

.

=

)
=
=
=

() (

=

)

=

. (SP2

(Mirc)

()

. ()

//

//

. (iplog4.suhuf.net.sa/2001jaz/jan/31/ev9.htm)

()

()

()

: (Encryption) ()

(www.certified.com) :

. (www.hushmail.com) (www.privacy.com)

()

)

(

(www.verisign.com) :

:

(www.infosys-sy.com/info-se.htm)

. (www.itp.net/arabic/features/98861645437193.htm)

•

•

•
•

•

•

•

•

•

•

•

()

•

()

:

()

)

()

()

()

()

(www.kevinmitnick.com)

()

()

() (

() .

:

()

()

()

(Dot Kids Implementation and Efficiency Act)
(kids.us)

(kids.us)

:

(www.minshawi.com)

()

(Themes)

:

()

1
2

()

()

()
()

(www.islambgd.com)

()

()

()

3
4
5

()

()

()

(www.dawah.ws)

(www.almosamem.com)

()

()

(ico)

(ani)

(cur)

()

(Desktop Themes) (Style XP) :

()

(Desktop Themes)

()

(www.themes.tucows.com)

()

(www.themefoftheday.com)

(www.cursoroftheday.com)

(www.screensaveroftheday.com)

(www.skinsoftheday.com)

(www.iconoftheday.com)

(www.wallpapersoftheday.com)

() :

1
2
3
4

() :

1
2
3
4

() :

(www.althkir.net) ()
(www.deentimes.com) ()
(www.freehomepages.com/thaker/index) ()

·
:

·

·

()

:

·

=

=

=

=

)

=

:

=

(

()

()

()

(

):

·

=

=

·

()

()

()

()

=

=

=

.

.

:

=

()

=

()

=

()



()

.

:

()

()

=

=

()

.

.

()

:

()

()

.

.

.

.

:

()

(

:

)

()

:

{ }

. :)
 :
() (

:
() =

=

()

. : ()
 : ()
(McAfee Parental Controls 1.0) (Kidsnet) (Cyber Sitter 2002) (Cyber Patrol 6.0)
(PAL Computer Surveillance System) (Norton Parental Control) (Kid Defender)
 : ()
(Cyber Sitter 2002)

()

. ()

. ()

:

(Download)

()

. (www.naqi.com.sa)

. (www.alkhadraa.com)

:

()
()

()

() (E.Mail)

. (ARPA Net)

()

()

:

)

. (Electronic Mail)

(E Mail) ()
()

() @

(,)

@

. (<http://www.alriyadh.com.sa/rnet/18-10-2001/news.html>)

. (Sprint Mail , MCI Mail , AT&T Mail) ()

() ()
()
()

(Extra Net)

()

() () @
:

(Accessing The Enternet By E-Mail) ()
(Doctor Bob's Guide to Offline Internet Access)
(Gerald E. Boyd)

(Accmail)

:
:
: (mail-server@rtfm.mit.edu)
(send usenet/news.answers/internet-services/access-via-email)
:
(www.faqs.org/faqs/internet-services/access-via-email)
:
(rtfm.mit.edu)
(pub/usenet/news.answers/internet-services/access-via-email)
(listserv@listserv.aol.com) ()
firstnsme) (subscribe accmail firstname lastname)
() (lastname) ()

(at) @ ()

() (@ .)

()

(User ID) (Account name)

()

(abcdefg)

(abcdefg@yahoo.com) :

(abcdefg@maktoob.com) :

(abcdefg@islamonline.net)

(abdulssamia)

()

(abd-alssamia)

(abdulssameea)

(abd-alssamia2)

(abdo-alssamia)

()

()

(pop3)

()

(Hotmail) ()

(For 11)

. //
.

:

=

= =

.

.

.

.

.

(Outlook Express)

=

()

(Microsoft Outlook)
(Outlook Express)

:

.

.

(Word)

()
(Office 2003)

()

. (Office XP)

=

=

.

.

=

(Outlook Express)

.

()

=

.

=

:

.

:

:

.

=

()

.

=

=

=

.

(www.almslm.com) (www.lahaonline.com) (www.al-islam.com) ()
 (www.islamway.com) (www.islamonline.net)
 (www.alasad.net) (www.dawahtoday.net)
 (www.amrkhaled.net) . (www.gawab.com) ()
 ()

=

.

.

.

.

.

.

.

=

.

.

=

=

=

.

()

()

(http://3afoor.com)
(www.dawah.ws)

(www.alislam4all.com)

(www.islambgd.com)

(www.twbh.com)
(www.qolob.net)
(www.denana.com)
. (www.quranway.net)

()

()

()

()

() ()

:

()

_____ ()

// ()

:

(www.islamonline.net/fatwa/arabic/FatwaDisplay.asp?hFatwaID=63004) ()

() :

// () ()

(www.islamonline.net/Arabic/news/2002-11/20/article10.shtml)

// (....)

(islamonline.net/Arabic/news/2003-07/05/article13.shtml)

.

.

:

:

.

:

=

=

(@)

=

()

.

(@)

.

=

.

()

:

()

()

.

:

.

(jpeg)

()

(gif)

() (

)

(www.tawqe3.com)

()
)

()

. (

: ()

: (Listen , enjoy and change your life)

Didn't You asked your self on day: What`s The Purpose of life ? Here)

(You will get the answer

)

()
()
()

: (These Audios will improve your all Life) (

(Outlook Express)

()

:

.

()

(Mailing Lists)

= () (. :)

:)

() (.

:

() .

:

= =

)

() (.

=

.

()

()

()

. (www.sendbad.net/droos/dro_gr6.htm)

()

()

()
: () (groups.yahoo.com)
:

() (listbot)

(www.hdrmut.net)

(groupname-subscribe@yahoogroups.com)

(groupname)

(www.smartgroups.com) (www.topica.com) : (www.mail-list.com) (www.listservice.com) ()
(www.isfa.com) (www.milomail.com) (www.smartgroups.com) ()
(www.listbot.com) ()
(www.listbot.com/shutdown_faq.shtml) ()

()

. (groupname-owner@yahoogroups.com)

⋮

. () (groupname@yahoogroups.com)

. (groupname-unsubscribe@yahoogroups.com)

:

:

:

:

:

)

.

:

.

:

(Moderated)

=

() (

.

:

.

.

()

() (Majordomo)

()

. (www.muslimonline.com)

() (ListProc)

() (Listserv)

,

(Great Circle Associates,Inc)

(Majordomo) ()

()

. (www.greatcircle.com/majordomo)

: ()

(majordomo@email.rutgers.edu)	(www.rutgers.edu)
(Majordomo@list.pitt.edu)	(www.pitt.edu)
(Majordomo@lists.uoregon.edu)	(www.uoregon.edu)
(majordomo@Ag.arizona.edu)	(www.ag.arizona.edu)
(Majordomo@duke.edu)	(www.duke.edu)
(Majordomo@ohsu.edu)	(www.ohsu.edu)

: ()

(Majordomo@world.std.com)	(Majordomo@interchange.ubc.ca)
(Majordomo@uclink4.berkeley.edu)	(Majordomo@greatcircle.com)
(Majordomo@maillist.peak.org)	(Majordomo@usa.healthnet.org)
(majordomo@chebucto.ns.ca)	(Majordomo@interchange.ubc.ca)

(List Processor) ()

. (http://listproc.sourceforge.net/index.html)

()
()

: (www.colorado.edu)
(lists) (listproc@lists.colorado.edu)

() . (help)

() (groups.yahoo.com) (www)

() (www.egroups.com) (www.onelist.com) :
(egroups) (egroups)

(lists)

: ()
: (lists)
: (info)

(end)

(Individual emails)
(Daily digest)
(No email)

()

.

:

()

(mailing lists)

:

(Computer&Internet)

(Computer)

(lists)

(info groupname)

(www.listtool.com)

(http://tile.net)

(http://lists.rootswb.com)

(rootswb.com)

:

.

:

.

.

:

.

.

.

.

.()

.

≡

≡



(moslems) (arab)

(Religion)

﴿ إِنَّ الَّذِينَ يُحِبُّونَ أَنْ تَشِيعَ الْفَاحِشَةُ فِي الَّذِينَ ءَامَنُوا لَهُمْ عَذَابٌ أَلِيمٌ فِي الدُّنْيَا
وَالْآخِرَةِ وَاللَّهُ يَعْلَمُ وَأَنْتُمْ لَا تَعْلَمُونَ ﴾ ()

()

.

.

(FTP)

:

()

:

(File Extension)

()

()

()

(Windows Explorer) ()

(E)

(Internt Explorer)

(Windows Explorer)

(Explorer)

(tar) (uue) (lzh) (gzip) (zip) :

()

(ace) (arc) (arj) (rar) :

(winrar)

()

()

()

:

:

:

:

:

() (

. () (Linux)

:

)

(ade) (mdbhtml) (mdb) (mda) : (Microsoft Access) ()
 . (mar) (mam) (mag) (maf) (mad) (maq) (adp) (adn) ()
 (Microsoft Excel) :
 . (xla) (xlw) (xlt) (xls) : (spss)
 . (spo) (sav) :

(www.suhuf.net.sa/2002jaz/jun/3/ev3.htm) (www.suhuf.net.sa/2002jaz/may/27/ev4.htm) :
 (www.suhuf.net.sa/2002jaz/jun/24/ev3.htm) (www.suhuf.net.sa/2002jaz/jun/10/ev3.htm)
 . (www.suhuf.net.sa/2002jaz/jul/8/ev3.htm) (raw) ()
 . (Cakewalk) (PCM)

. (http://ironprivate.tripod.com/ftp.htm) ()
 . (Lynx) ()

() (

:

() .

:

() .

() (

)

(

)

() .

:

() .

(txt)

() (www.muhammadith.org)

(www.zulfedu.gov.sa)

(www.maknoon.com)

(www.al-eman.com)

(www.islamic-council.com/aDownload.htm)

()
()

()

()
()
()
()

()

() ()

(txt)
.()

(Pocket Islam)
() (Pocket Islam)
(smartnetworkless)
(Pocket Islam) (Download Manager)

: (Pocket Islam)
(Pocket Quran)

()
(Pocket Reciter)
(mp3)
_____ ()

: ()

()
(XScale) (ARM) ()
(SH3) (Qtek) (I-mate)

(MIPS)
(www.smartnetworkless.com) (www.pocketislam.com)
: ()
(www.ce4arab.com/vb7/showthread.php?s=&threadid=15614&perpage=15&highlight=pocket%20islam&pagenumber=1)

(Pocket Tafseer)
(Pocket Hadith)

:

()

:

:

(Norton AntiVirus)

:

.

:

(Pocket Moon) ()

()

:

(Microsoft Word)

. (txt) (doc) :

(eml)

:

(Microsoft Word)

(mhtml) (mht) (html) (htm) :

. (shtml) (shtm)

:

. () (exe)

(Setup.exe)

()

:

. (www.islamicfinder.org)

(Executable)

(.scr)

(.scr)

()
()
()

()

(Microsoft Word)
(txt) (doc)

= () =

·
:
·
(www.dorar.net) (saaid.net)
· (www.islamhouse.com)

=

()
(pdf)

(Microsoft Word)

· (www.ziedan.com)

()

·
(Serial Number)

!!!

(Microsoft Word)

()

() (Documents Expert)
(www.omelketab.net)

:

()

()

()

:

(www.yoft.net) ()

" Documents Expert " ()

(Microsoft Access)

(www.dorar.net)

(www.al-islam.com/arb)

(www.alwaraq.com)

:

(www.almaktba.com)

(www.al-eman.com)

(www.qurancomplex.com)

()

(Microsoft Reader)

(lit)

()

:

(Annotations)

:

(Text Note)

:

(Highlight)

:

()

(Drawing)

:

(Bookmarks)

:

(Annotations)

(lit)

() (lit)

(www.microsoft.com/reader) ()

()

(WordRMR.exe) ()

(<http://download.microsoft.com>)

(Microsoft Word)

(lit)
(lit)

(www.overdrive.com)

(Reader Works Standard)

(Microsoft Reader)

()

(www.mslit.com)

(lit)

(lit)

()

(lit)

()

:

()

(text to speech) (text 2 speech)

()

(http://manybooks.net) :

(www.e-book.com.au/freebooks.htm)

: (lit)

(http://mclean.faithweb.com/Islam.html) ()

. (Palm doc html pdf)

() (R studio) () (Reader Works Standard)

. (lit)

() (chm)

(Internet Explorer)

. (Help)

(Front Page)

(www.omelketab.net)

. (chm)

. (htm2chm)

(chm)

() (pdf)

(Adobe) (Acrobat Reader)

(pdf)

() (Adobe Acrobat 6.0 Professional)

(pdf)

(pdf)

(lit) (htm) (txt) ()

(lit) (jpg)

. (www.ce4arab.com/vb7/showthread.php?s=&threadid=2834&perpage=15&pagenumber=1)

(jpg) (rstudio) (Reader Studio) ()

(www.michisoft.com)

. (www.ce4arab.com/vb7/showthread.php?s=&threadid=2834&perpage=15&pagenumber=1)

(Compiled HTML Help file) ()

(Portable Documents file) (pdf) ()

(Adobe Acrobat 6.0 Professional) ()

(www.islamway.com/index.php?iw_s=library&iw_a=bk&lang=1&id=130)

(Adobe Page Maker 7.0)

(Acrobat 6.0 Standard)

. (www.adobe.com)

(Adobe In Design 2.0)

(Adobe Frame Maker 7.0)

()

()

(pdf)

: (pdf)

(Acrobat Reader)

(pdf)

()

() (pdb)

() (iSilo)

()

(eDocPrinter PDF Pro 6.0) (PDF OCX 2.0) (PDF Converter 1.1) : ()

(PDFtypewriter with PDF Printer Driver 4.1) (One Click PDF 1.0)

(doc to pdf) (word to pdf)

(pdf 995)

(pdf)

(doc)

(doc)

(pdf)

(doc)

(SolidConverter PDF to Word 2.0) (Easy PDF Converter Professional 2.0) : ()

(pdf to word) :

(Able2Extract 2.0)

(pdf to doc)

()

(Database)

(Palm)

(Palm Database)

()

(www.iSilo.com)

()

(Text encoding)

(display)

(options)

(Tools)

()

(windows-1256)

()

: (iSilo)

(Microsoft Reader)
(Bookmarks)

() (pdb)

:

. (Autoscroll)
()

(pdb) (html) (txt)
(pdb) (doc) (I Silo x)
() (txt) () (html)
(doc)
(doc)

: (iSilo)

()

(Palm Doc) : (Pocket Word) (jpeg) (gif) (bmp) : (png) (Hyper Text Style Sheet) (css)
(http://www.ce4arab.com/vb7/showthread.php?s=&threadid=20849)
(Microsoft Word)
(Notepad) (txt)

()

(doc)

(pdb)

(exe)

()

()

()

:

(html)
()

Web Exe)

(html)

(E-ditor) ()

:

(Internet Explorer)

()

(I-mate)

(www.ibnothaimen.com) ()

(htm) (txt)

(eBook Edit Pro) ()

(www.ebookedit.com)

(eBook Workshop) ()

(html)

(VB Scripts)

(Java Script)

(www.ada99.com)

(www.aw-soft.com) (www.mediapacker.com) : ()

()

(Skin)

() (java)

(jar) (jad) :

()

(Home)
(Contents)

(Skin)

(Font)
(About)

(Scroll)

(Book Mark)

(www.sun.com)

(Java) ()

(J2SE)
(J2ME)

(J2EE)

(www.arabteam2000-forum.com)

(www.nokiamena.com/arabic/phones/technologies/java/faq.htm)

(www.nokiamena.com/arabic/phones/technologies/java/index.htm)

() ()

:

()

:

:

:

()

_____ ()

(www.islamicmobile.net)

(www.arabteam2000-forum.com)

()

(J2ME)

(J2ME Wireless Toolkits)

(Java 2 Micro Edition)

()

(J2SDK)

(J2SE)

(Software Development Kit)

(SDK)

(www.arabteam2000-forum.com/index.php?showtopic=46317)

()

(http://mobilebook.upals.com)

(Mobile e Book Creator)

(J2SE 1.3)

(jar)

(jad)

()

(MobiMB)

(Mobile Media Browser)

:

· () (RepliGo) (rgo)
 () (DjVu)

· (Internet Explorer)
 (prc)

(Symbian)
 (eBook Reader)

(Bookmarks)
 (Autoscroll)
 (sis)

(Symbian)
 = = = ()
 () (Pocket Quran)

· (www.ce4arab.com/vb7/showthread.php?s=&threadid=4001&highlight=RepliGo) (www.cerience.com)
 (http://archive.bibalex.org/mybook/fp) ()
 (DjVu) ()

· (www.lizardtech.com)
 (eBook Maker) (prc) ()
 (prc) (txt) ()

· (www.mobile4arab.com/vb/showthread.php?t=302680)
 (sis) · (www.mobile4arab.com/vb/showthread.php?t=304698)
 (VB6) (.Net) (C++) : ()
 (www.arabteam2000-forum.com/index.php?showtopic=47482)
 · (www.mobile4arab.com/vb/showthread.php?t=266043) ()

(www.palmquran.com) ()

// ()

()

(REB 1100)

() (REB 1200)

()

= =

:

(mp3)

()

(Qtek) (I-mate)

(Soft Book Press)

(Rocket eBook)

(Nuvo Media)

()

(gemstar-ebook)

(Soft Book Reader)

(GEB 2150)

(GEB 1150)

(www.gemstar-ebook.com)

(THOMSON multimedia RCA)

(gemstar-ebook)

(REB 1200)

(REB 1100)

(www.rca.com)

(www.planetebook.com)

(Toshiba SD-Book) ()

(SD)

/ /

(http://www.toshiba.co.jp/info/cebit2004/archive/index.htm)

(www.technovelgy.com/ct/Science-Fiction-News.asp?NewsNum=64)

:

:

()

() (VHS)

() (Corel Draw)

(Microsoft Photo Editor)

(Adobe) (Photoshop) ()

(Photoshop Elements)

(<http://zizooo.ws>) : () ()

(CorelDRAW Graphics Suite) ()

(www.corel.com)

(www.alsayra.com/vb/archive/index.php/t-31279.html)

(<http://montada.com>) ()

(Jasc Paint Shop Pro 8) (Microsoft Digital Image Suite 9) (Adobe Photoshop Elements 2.0)

(Ulead Photo Impact 8)

:

(Graphics Suite Corel Draw 10) (Canvas 7) (Adobe Photoshop 6.0) (Adobe Illustrator 9.0)

(Macromedia Freehand 9) (Macromedia Fireworks 4) ()

"

(Photoshop Compatible)"

(www.ps-revolution.com/forum) :

(www.fasieh.tk) (www.photoshopclub.net)

(www.geocities.com/aboanas11/TR.htm) (www.psdland.com:8080)

()

()

()

()

()

() (jpeg)
()

(jpg)

() (jpeg)

()

(www.khalaad.net)

(http://abobadr.net)

:

()

()

:

()

(Joint Photographic Experts Group)

(JPEG)

()

:

()

(JPEG)

()

. () (Symbian)

()

(jpeg)

()

()

() (gif)

. (gif)

() (bmp)

(ico)

:

()

()

(Nokia 6600)

()
()

()

:

()

CCD) (jpeg)

(tif)

(TIFF)

. (www.foto-master.com/data/software/imageFormat.htm)

. (Raw

)

()

. (Graphics Interchange Format)

(

(gif)

()

(Bit map)

()

. (psd)

(Adobe Photoshop)

()

. (raw)

()

:
 :
 (tif)
 . (jpeg)
 :
 . (Pixels) ()
 (Resolution)
 (Horizontal) :
 . (dpi) (Vertical)
 . (Bit Depth)
 (Frame Count)
 ()
 ()
 . (Maya)
 ()
 ()
 (Picture element) (Pixel) ()
 :
 :
 ()
 ()
 (Softimage/XSI) (Cinema 4D Maxon) (3D Studio MAX) : ()
 . (Toon boom) (Light Wave) (Alias Wavefront)
 . (www.muslm.net/showthread.php?s=&threadid=116531)
 (Maya 6) ()
 (Maya)
 ()
 . (www.neelwafurat.com)

:

.

.

:

:

:

:

. (mp3) (wav)

(Real Audio)

:

:

(Channels)

. (Stereo)

(mono)

:

. (kbps)
() .

(Bit rate)

(Sampling rate)

(Stereo)

. (mono)

:

(cda)

() (wav)

:

()

()

() (cda)

(Nero)

() (mp3)

()

(CD)

(Tracks) (Compact Disk Audio) (Chapters) ()

(MPEG) (MPEG-1 Layer 3) (mp3) ()
(MPEG) (Moving Pictures Expert Group)

(mp3) (wav)

(mp3)

()

(mp3) (,)

(mp3)

() (cda) (cda)
 () (mp3)
 () (mp3)
 (mp3)
 () (mp3)
 () (mp3pro) (mp3) (mp3)
 : (mp3)
 ()
 ()
 (Walk Man) (mp3) ()
 : (mp3)
 (cda)
 (CD)
 (FM) (mp3)
 : (mp3)
 (ID3) (mp3) (mp3) ()
 (mp3) : (Pro) ()
 (mp3) (mp3)

(Real Audio)

(amr) (ram) (rm) :

(mp3)

(mp3)

() (wma)

(mp3) (mp3)

()

()

(mp3)

(wav)

(midi) ()

(mid)

() (mmf)

(rtx)

()

(Windows Media Audio)

()
()

()

()

()

(www.mobile4arab.com/vb/showthread.php?t=298072)

(Psm Play)

(mmf)

()

()

:

≡ ≡

:

(Real Video)

(rm)

. (ram)

() (wmv)

(Windows Movie Maker)

() (avi)

≡ ≡

()

()

() (mpeg)

:

. (vcd)

(mpeg 1)

()

≡ ≡

(Windows Media Video)
(Audio Video Interleave)

(wmv) ()
(avi) ()

(avi)

(VHS)

()
()

(PCM)

(Motion Picture Expert Group)

(mpeg) ()

. (mpg)

. (www.mpeg.org)

(svcd) (mpeg 2)
. (dvd)
(3gp) (mp4) (mpeg 4)
(3gp)

. () (Nokia Multimedia Converter)

: (3gp)

:

:

(3gp)

:

. (avi)

:

:

:

:

:

(mp3)

()

(DVX-POD)

(wav) (avi) :

. (mp4) (nim) (awb) (amr) (mov) (mp3) (mpg)

. (www.mobinote.com.tw/main_eng.asp)

()

()

()

()

() ()

:

(www.emanway.com)
(www.khayma.com/flash)

(www.islamway.com)
(www.flashdash.net)

(Flash)

()

x x
(www.mobinote.com.tw/product_dvxpod_eng.asp)

(www.ce4arab.com/vb7/showthread.php?s=&threadid=20709&perpage=15&pagenumber=1)

(Future Splash)

(Flash)

(Future Splash)

(Splash)

(Future)

()

(exe) () (swf)
(fla) ()

()

:

(Flash MX 2004) (www.macromedia.com) ()
 (SWiSH max) : (Flash MX Professional 2004)
 . (www.swift3d.com) (Swift3D) (www.swishzone.com)
 (exe) (swf) (Shok Wave Flash) ()
 (www.macromedia.com) (Macromedia Flash Player) ()
 (File) (Creat Projector)
 (exe)

(exe)

:

()

(avi) (swf)
 . (swf) (gif) (jpeg) (3gp)
 (swf)

:

(PPT) (Presentaion)
 (Microsoft Power Point)

. (Microsoft Power Point)

(Download) =

. (Upload) =

() (FTP)

(ARPA Net)
()

()

(Hosts)

(username) =

(account)

()	()	()
(File Transfer Protocol)	()	(FTP)
()	()	()
()	()	()
()	()	()

. () (password)

(anonymous)
()

()

)

(GMT)
(

()

()
(FBI)
()
()

(mail-server@rtfm.mit.edu) ()
(send usenet/news.answers/ftp-list/sitelist/part1)

() . (ftp://rtfm.mit.edu/pub/usenet/news.answers/ftp-list/sitelist)

:

()

(pub)

(usenet)

(news.answers)

(ftp-list)

() .

(/)

(sitelist)

:

()

(pub)

(usenet)

(ftp://rtfm.mit.edu)

:

(ftp-list.zip)

. (ftp://garbo.uwasa.fi/pc/doc-net/ftp-list.zip)

(ftp://garbo.uwasa.fi)

(ftp://ftp.simtel.net)

. (ftp://ftp.simtel.net/pub/simtelnet/msdos/info/ftp-list.zip)

:

()

(Enter)

(ftp://rtfm.mit.edu)

(pub)

(usenet)

(news.answers)

(ftp-list)

(ftp-list)

(faq)

(sitelist)

(ftp-list)

()

:

(README)

() (NOTICE)

() (welcome.msg)

()

(IS-IR)

(INDEX)

() (pub)

()

()

()

(http://www)

(http://www.mat.uc.pt)

(ftp://ftp.mat.uc.pt)

(ftp://ftp)

. (ftp://ftp.cc.umanitoba.ca/pub/NOTICE)

. (ftp://ftp.mcgill.ca)

. (ftp://ftp.cc.umanitoba.ca/NOTICE)

. (ftp://ftp.ccs.queensu.ca/README)

. (ftp://rtfm.mit.edu)

. (ftp://cs.utk.edu/README.FTP)

()

()

()

()

()

()

()

:

.....

:

.....

() (pub)

:

(Internet Explorer)

. (www.isu.net.sa/ar/services/mirrors-ar.htm) ()
(Public) ()

()

() (www.download.com)
() (www.raddadi.com)

(download)

(tucows.com)

(www.fantookh.com)

:

(For)

(4)

(Twocows)

(Tucows) ()

()

()

=

() =

()

.

=

()

()

()

()

.

:

: ()

=

(Internet Explorer)

:

(Archive)

(Archie)

()

.

=

()

()

=

(Quran)

(Search)

(Islam)

(www.emnet.co.uk)

(http://archie.emnet.co.uk)

()

(www.ftplanet.com)

(http://ftpsearch.tomsk.net) :

()

. (www.filesearching.com)

(www.ftpsearchengines.com)

()

(Latvian FTPsearch Engine)

()

(www.ftpsearch.lt)

. (http://ftpsearch.lv)

(lv)

()

(http://ftpfind.voila.fr)

. (www.net3.pl)

()

. (http://reliz.ru)

()

()

()

()

(Flash Get)

()

()

()

()

(Flash Get) (Download Wonder) (Download Accelerator Plus Premium)
 (Internet Download Manager) (Go!Zilla Plus) (Get Right) (Fresh Download)
 (Star Downloader) (ReGet Deluxe) (Lightning Download)
 (Lightning Download) (Download Accelerator Plus Premium)

(iMesh) (bear share) (Kazaa) (eDonkey) (eMule) : (P2P) (Peer to Peer) ()
 (com) (One MX) ()
 (www.kazaa.com)

()

()

()

()

:

()

) ()

(www.muslm.net/showthread.php?s=&threadid=116087)

()
()
()
()

(www.arabsgate.com)

(FTP Publishing Service)
(Windows) /

(IIS)

(FTP)

(Power FTP)

(Yahoo Messenger)
(Pal Talk)

:

(Windows Messenger)
(IRC)

()

()

()

()

(Hyper Terminal)
(Hyper Terminal)

()

()

() .

(www.qurancomplex.com)

()

(Pocket Quran)

:

()

()

:

(Internet Explorer)

()

:

()

()

. ()

: =

.

.

. ()

()

. ()

=

.

=

.

:

=

.

()

(ilkon) = =

. !!!

:

()

()

()

.

.

()

(doc)

=

(jpeg)

:

. (mp3)

:
:
:

. (Real Audio)

. (mp3)
(mp3)

:

(Real Audio)
. (mp3)

(mpeg)



()

:

. (VHS)

:

:

(Video Clip)

. () (Dial up)

(swf)

:

(exe)

:

(logos)

(sis) :

() (tsk)

()

() (Symbian)

()

(ALJAWAL)

(DSL)

()

(Themes)

()

(Theme Editor 6600)

()

. (www.mobile4arab.com/vb/showthread.php?t=284881&highlight=Theme)

(Microsoft Theme Generator)

()

. (www.microsoft.com/windowsmobile/downloads/default.mspx)

()

()

(Animated Today)

. (www.ce4arab.com/vb7//showthread.php?s=&threadid=27000)

≡

.

(sms) :

(exe)

(Microsoft Access)
()

.

≡

(mms) :

.

.

:

.

. ()

.

.

(exe) _____ ()

:

.

()

()

.. : () ()
.. (Salman16f.rm) // / ..
(Salman15b.rm) (Salman14b.rm) (Salman13a.rm) (Salman17b.rm)
() (www.emanway.com)
(1093396381.swf)
= (Flash Get) ()
.. (C:\Downloads)

()

() =

=

(PDF)

()

:

(briefcase.yahoo.com) : ()

(<http://webstorage.btinet.net>) (BTI net) :
(www.yousendit.com)

()

(www.filesanywhere.com) (www.atbackup.com) (www.globedesk.com) (www.xdrive.com)
(DSL) ()

:

.

(wma)

(mp3)
(vcd)

(dvd)

(cda)

:

()

=

(svcd)

=

.

.

()

:



: ()

.

.

.

.

=

.

.

.

()

.

:

=

. (help) (pub) (Readme)
 (welcome.msg) :

.

.

= =

(quran)

(pub)
(islam)
. (hadith)

= =

.

(www)

(World Wide Web)

(http)

()

(Internet Explorer) :

()

(www.latif.com)

()

.....

(.....)

(Hyper Text Transfer Protocol) ()

: ()

: (Windows Media Player) (Win Amp) (Music Match) (Yahoo Player) (Quick Time) ()
: (Real Player)

()

()

(www.sultan.org)

:

(Hyper Text)
()

()

(CERN)

(Time Berners-Lee)

()

()
()

(Memex)

()

()

()

(CERN)

(Enquire)

(World Wide Web)

(HTML)

(CERN)

(Hyper Links)

.

() ()

(Mosaic)

(NCSA)

() () .

() .

. (Hyper Text Markup Language)

(HTML)

()
()
()
()

(www)
 ()
 . (http://) (URL)
 :

(Portals)
 :

(www.yahoo.com)
 ()
 :

(message board) ()
 ()

. (Yahoo Messenger)
 :

:

()
 :

()
 ()
 ()
 (www.onelist.com) (www.egroups.com)
 . (www.geocities.com) ()
 : () ()
 // // // //

() :
()
:

(www.khayma.com)

. (www.islamhost.com)

(Mirror Site)

(BBC)
() .

()
(www.freewebspace.net)
:
:
(www.khayma.com/alsahaba)
:
(http://www.geocities.com/athens/Delphi/7687)
()
()
()

:

:

=

=

=

.

.

(HTML)

.

.

.

:

.

()

.

(GPRS)

=

=

:



()

)

.(

(www.khayma.com) :

(www.islamhost.com)

()

()

(www.alislam4all.com)

()

()

(www.reciter.org)

(<http://quran.muslim-web.com>)

(www.al-eman.com/Quran/save/demo.htm)

(www.sultan.org)

(www.islambgd.com)

(www.flashdash.net)

(www.kalemat.org)

(www.mrafe.com)
()

(www.islamhouse.com)

(www.quranway.net)

(www.tarhuni.com)

(www.islamacademy.net)

(www.mediu.org)

.

:

(www.zamzamworld.com) :
(www.ferastoon.com) (http://kids.al-islam.com)

:

)

.

=

(

.

:

.

.

.

=

()

.

=

.

=

(gif)

()
(www.islammen.net)

(www.islam.ws)

(www.islamweb.net)

:

:

:

:

:

. () () :

: =

() . (gif)

= = =

: =
. (Themes)

(www.islamicexchange.net) (www.islamicsupport.net)

. (www.i3lan.org)

()

()

() (Cookies)
() (Temporary Internet Files)

() (History)

(www.maknoon.com)

:

()

()
()

()

. (GPRS)

:

()

()

(www.fiseb.com)

(www.islam10.com)

(www.islammessage.com)

:

(www.d3wa.org)

(www.islam10.com)

. (www.islamrank.com)

()

()

· ()

= =

·

·

()

=

·

(Forums)

() (messaging boards)

:

()

:

:

:

()

()

(http://messages.yahoo.com/index.html)

()

()

(www.swalif.net/softs/showthread.php?s=1bf2edf2868b92e22f86a67963d304de&threadid=37611)

() (IB) () (phpBB)
() (V Bulletin) ()
() % (VB)

()

: (www.phpbb.com) ()
(www.jalajil.com.sa/forum) (http://tasjeel.com)
:
(http://fkrh.com/modules.php?name=Sections&op=viewarticle&artid=71)
(www.invisionboard.com) ()
(www.ibresource.net) (Powered by Invision Board)

(www.khaybar.net/ib/index.php) :
(www.almithnab.net/forum/index.php) (www.kharj.net/ib/index.php)
(www.zajildot.com/ib/index.php) ()

(www.swalif.net/softs/showthread.php?s=7d80d48b382fb2d56fde1a75d79706d7&threadid=13383&highlight=phpbb)
(www.vbulletin.com) (Jelsoft Enterprises Limited) ()

(Powered by vBulletin)

()
(www.vbulletinclub.com/announcement.php?s=bb86336923989d11ba71ec3fe4f3789b&forumid=7)
(www.vbulletinclub.com)

(www.f2g.net) (www.evolt.org) : ()
(f2s) (www.portland.co.uk)
(www.f2s.com)

(f2s)
/ / / @

() (News Groups)

:

= .)

!

.

=

=

=

() (.

.

()

()

(News Groups)

()

= =

.

()

.

()

.

()

.

.

:

()

()

:

()

() (

)

. (www.uvv.org) ()

: ()

(web.presby.edu/~nnqadmin/nnq/nforums.html) (web.presby.edu/~nnqadmin/nnq/ncreate.html)

(web.presby.edu)

:

(www.geocities.com/ResearchTriangle/Lab/6882/ncreate.html)

(www.geocities.com/ResearchTriangle/Lab/6882/nforums.html)

()

. (Accessing The Internet By E-mail Gerald E. Boyd Version 10.2-April 2002)

. (www.uvv.org/cgi-bin/getmsg/1772) ()

. (sci)
 . (comp)
 . (talk)
 . (rec)
 . (soc)
 . (humanities)
 . (news)
 () . (misc)
 :
 .
 ()
 ()
 () (comp) / /
 ()

 (humanities) . (www.geocities.com/ResearchTriangle/Lab/6882/ncreate.html) ()
 (uvv)
 (alt) : ()
 . (gnu) (compuserv) (clari) (biz) (bit) (bionet) (aol)
 (www.dejanews.com) (groups.google.com) ()
 (comp.laptops) (comp.ibm) : ()
 (comp.hackers) (comp.laser-printers)
 (comp.games) (comp.hardware)

()

()

()

()

()

(comp.graphics.apps.corel) :

. (comp.graphics.apps.photoshop) (comp.graphics.apps.paint-shop-pro)

()

(comp.sex)

:

- Comp.human-factors
- Comp.internet.library
- Comp.multimedia
- Comp.patents
- Comp.society
- Comp.society.privacy
- Comp.speech
- Comp.virus

∴

()

.

.

.

:

. (Small)

(Capital)

()

()

()

()

= = =

=

=

()

(www.taifedu.gov.sa/forum/default.asp)

()
()

:

(www.imanway.com)

):

()

() (

()

()

()

:

()

.

.

.

.

.

()

()

. (www.al-jazirah.com.sa/81085/ln26d.htm)

:

. (www.alwatan.com.sa/daily/2004-07-12/first_page/first_page09.htm)

()

≈

.

= =

= =

.

= =

() ()

.

() ()

=

.

/ / = / /

.

= =

(www.vb.fantazyat.com/index.php) ()

(www.swalif.net) ()

.

/ /

(www.swalif.net/softs/showthread.php?s=76a22312e2db02d586930bc1ec03d4fa&threadid=39933) ()

=

=

= =

.

=

.

.

=

=

=

()

=

.

:

=

1

.

2

= =

.

.

=

⋮

=

=

•

•

•

=

•

•

•

=

•

=

•

.

.

:

:

()

.

:

=

()

.

=

=

.(exe)

.

:

:



()

.

(gif)

:

()

1

2

3

()

4

5

1

2

3

4

5

6

7

1

2

()

()

:

﴿ وَإِذْ تَأَذَّنَ رَبُّكُمْ لَئِن شَكَرْتُمْ لَأَزِيدَنَّكُمْ ۖ وَلَئِن كَفَرْتُمْ إِنَّ عَذَابِي لَشَدِيدٌ ﴾ ()

:

()

()

:

()

()

()

(www.toislam.net)

()

()

()

()

=

.

:

() () :

=

=

=

() () :

:

.

:

()

:

.

=

=

.

.

()

()

()

.

(Play Station)

(PSP)

() (mp3)

() (X Box)

(N-Gage)

()

:

:

:

:

:

)

() (

:

=

:

(Portable Sony Playstation)

(PSP) ()

(www.xbox.com)

()

(www.n-gage.com)

()

(http://saaid.net)

()

() =
.
:

(Play Station)

(cda)

:
()

()

()

(swf)

() _____ ()

. (www.montada.com/showthread.php?t=310640)

(www.underash.net/ua_index.html)

. (www.afkarmedia.com/profile_ar.htm)

. (www.montada.com/forumdisplay.php?s=&forumid=101)

. (www.montada.com/showthread.php?t=324790) ()

() (Game Maker)

. (exe)

. ()

= :

()

(ICQ)

. =

:

:

//

. (www.gamemaker.nl) ()

. (www.islamonline.net/arabic/science/2005/02/article06.shtml) ()

= =

.

() .

()

):

(

:

()

. (asynchronous)

(synchronous)

)

() (=

(www.liveislam.com)
()

()

()

(www.radio-locator.com) (http://www.vtuner.com) (launch.yahoo.com/launchcast)
(www.web-radio.com) (www.live365.com) ()

(www.saudiradio.net)

()

()

=

() =

() (live365)

//

(www.ibn.net)

(IBN)

()

(WGPOAM700)

(http://www.islamonline.net/Arabic/news/2002-07/22/article09.shtml)

(www.radiodestiny.com)

(www.shoutcast.com)

(www.radiospy.com)

:

()

(www.scour.com)

:

(www.live365.com) ()

(Live Broadcast) (Basic Broadcast)

=

=

∴
∴
∴
() () ()

∴

∴ ()

∴

∴

∴

)

∴

∴ ∴

∴

∴

∴ ()

∴

∴ (Chating) (Chat) ()
()

(☺)

(☹)

()

(IRC)

:

() (IRC)

()

()

()

()

() ()

()

(Internet Relay Chat)

(IRC) ()

()

()

()

()

()

(Client / Server)

(Pirch , vIRC , IRC2 , Open Chat/2 , MacIRC)

()

. () (mIRC)

:

()

(EF Net)

(DAL Net)

()

=

=

. (Under Net)

()

:

=

()

(Arabmirc)

()

()

. (mIRC)

(<http://netsplit.de>)

= = =

_____ ()

(www.mirc.com)

(www.mirc.co.uk/translations/arabic.html)

(Eris Free Network)

(EF Net)

()
()

(irc.inter.net.il)

(irc.homelien.no)
(IP)

(irc.blessed.net)

(irc.choopa.net)

(irc.inet.tele.dk)

. (irc.nac.net)

(irc.efnet.pl)

(efnet.demon.co.uk)

(us)

(dk)

(pl)

(no)

(il)

(uk)

(www.efnet.org)

. (www.kidsworld.org)

(Kidsworld)

()
()

(Arabmirc)

()

. (www.arabmirc.net)

()

()

·
:
(netsplit)

(Makkah) (Arab) (Islam)

: ()

(www.dal.net) (DALNet) (www.efnet.org) (EFNet) : ()
· (http://forum.undernet.org) (www.undernet.org) (UnderNet)
(MOTD) (Message Of The Day) ()

(IP)

: ()

(Mirc)

•
•
•

()

(Digi Chat)

(ArabChat) ()

()

• / / ()
(<http://chat.arabchat.org/arabic/hist.htm>)
• (<http://www.wearab.net/arabic>) (<http://chat.wearab.net/arabic>)

:

=

()

.

.

()

.

=

(Digi Voice)

=

.

)

.() (

:

(Pal Talk Messenger)

.

_____ ()

(.) / ()

(www.al-padeel.com)

(Yahoo Messenger)

()

(Windows Messenger)

):

()

.(.

:

=

=

=

=

.

=

.

()

.

=

.

:

:

=

.

()

=

.

()
()

() (GPRS)

(GSM)

(GPRS)

(Live Media Spider)

(LMS)

(Fly Book)

(SIM)

()

(<http://nouf.org/spirit.php>)

()

(Channel Operator)
(@) (nickname) (IRC) (chop) (op)

()

1

2

3

(sex)

(op)

4

5

()

(www.almisk.net)

(http://almisk.net)

()

() (IRC)

()
()

(Under Net) (mirc)
(Random Server) (EF Net) (DAL Net) (Arab Mirc)
() (/list)

(#)

∴
()

∴

.

.

∴

∴

.

.

.

∴

()

.

.

(IRC)

()

(Arab)

1

2

@

=

.

.

=

=

.()

:

=

(mIRC)

:

=

=

=

.

.

):

. (

(Sorry I am a Moslim)

!!

:

.

.

﴿ هُوَ الَّذِي خَلَقَكُمْ فَمِنْكُمْ كَافِرٌ وَمِنْكُمْ مُؤْمِنٌ ﴾ ()

:

()

:

.

:

" www.helpingisrael.com "

)

=

() (.

=

(www.saranam.com)

() .

()
()

() ()

()

()

//

()

()

//

. (www.islamonline.net/Arabic/news/2001-04/26/article14.shtml):

()

()

()

(www.hinduunity.org)

(www.buddhistsummit.iirt.net)

()

)

()

%

%

%

%

//

()

(www.islam-online.net/Arabic/News/2001-06/28/Article21.shtml) :

()

(www.kahane.org) :

(www.alasr.ws)

()

//

(

()

(www.islamonline.org/Arabic/News/2000-11/12/article21.shtml) :

(www.barna.org)

()

() (.

%

=

()

()

()

()

=

=

()

:

()

=

=

=

()

=

=

()

:

()

()

()

(Liberalism)

()

(www.islamtoday.net)

(www.islamonline.net)

()

()

()

﴿ فِيهِمَا إِتْمٌ كَبِيرٌ وَمَنْفَعٌ لِلنَّاسِ وَإِتْمُهُمَا أَكْبَرُ مِنْ نَفْعِهِمَا ﴾

•
= =
()

=
()

(www.iraqcp.org)

()

=
() ()
() (www.alfikra.org)

_____ ()
= =

=
: :
() () ()

() () ()

// //

:
()

∴ ()
()

()

() (www.izbacf.org)

() (www.mutazela.cjb.net)

()

()

()

()

()

(izbacf)

(Imam Zaid bin Ali Cultural Foundation)

() () ()

(www.cjp.net)

()

() (www.al-razi.net)

()

(www.aicp.org)

()

() (http://216.221.185.71)

()

()

()

()

()

(www.ibadhiyah.net)

()

()

()

(www.shiasearch.net)

.
:
.
.
()
()
()
(www.quran.org)
() (www.moslem.org)

.
:
=
()
=

=
()

-
.
:
()
()
(www.muslim.org)
()

.
:
=
:
.
:
.
.

() (www.ibnarabisociety.org) ()

(www.rayaheen.net)

()

() (www.naqshbandi.net)

()

()

) :

" "

!

((

)

()

()

()

(www.naqshbandi.org)

()
()

∴
() (www.tariqa.net)

() (www.sunnah.org)

() (www.mawlid.net)

(www.kamilat.org)

(www.islamicsupremecouncil.org)

(www.suficinema.com)

() . (www.isn1.net)

(www.muslimphilosophy.com)
()

()

()

()

()

()

()

∴
(Islamic Shopping Network) ()

()

()

()

() :

)

) :

() ()

()

() :

(www.ghazali.org)

()

:

()

() (http://bci.org)

() ()

(http://alislam.org)

()

=

:) : ()

:) : ()

() ()

() : ()

: (Bahai Communications international) (bci) ()

(www.bahai.net) (www.bahai.org) (www.bahai.com) ()

() ()

:

()

(<http://store.alislam.org>)

() : ﴿ وَإِذَا الصُّحُفُ نُزِّلَتْ ﴾

()

()

()

()

()

()

(www.muslim.org)

(www.ahmadiyya.org)

()

(www.faaiin.nl)

()

()

()

()

(www.akdn.org)

≈

()

. () (www.iis.ac.uk)

()

()

(www.druzenet.org) :

(www.druze.com)

. (www.nassibmakarem.org)

(Aga Khan Development Network)

(akdn)

()

)

(Institute of Ismaili Studies)

(

(iis)

()

:

≈

()

≈

:

()

(www.tawhidofdruze.org.lb)

()

()

() () :

()

() .
()

:

()

()

()

(The Road to Armageddon)

()

:

)

()

(

()
()
()

() = =

() ()

() ()

/ / . (http://news.bbc.co.uk/hi/arabic/news/newsid_1672000/1672344.stm) ()

() () () () ()

()
()

(http://news.bbc.co.uk/hi/arabic/news/newsid_655000/655192.stm)
(http://news.bbc.co.uk/hi/arabic/news/newsid_654000/654416.stm)
/ / ()

(http://news.bbc.co.uk/hi/arabic/news/newsid_1851000/1851625.stm)
(http://news.bbc.co.uk/hi/arabic/news/newsid_1312000/1312372.stm) ()
()

()

:

() (www.vatican.va)

:

(www.cwnews.com)

(www.newadvent.org)

. (Catholic Encyclopedia)

(www.goarch.org)

:

(Listserv)

()

. (Real Player)

(www.copts.com)

(www.copticpope.org)

()

(World Council of Churches)

. (www.wcc-coe.org)

()

(Vatican)

(va)

(sa)

(sy)

(Egypt)

(eg)

(Saudi Arabia)

.... (Syria)

: ()

(www.billygraham.org)

(www.bgea.org)

(http://bgc.gospelcom.net)

. (www2.thecove.org)

. (http://bgc.gospelcom.net/ise)

()

() (Christian Computing Magazine)

. (http://ccmag.gospelcom.net)

= ()

(www.e-vangelism.com)

() (E-Vangelism)

:

()
(The Road to Armageddon) (

) :

()

()

()

(Andrew Carega) ()

(evangelism)

(Electronic Evangelism)

()

() ()
() (Internet Evangelism Coalition)

(IEC)
(www.webevangelism.com) ()

()

()

(http://ifc.gospelcom.net)

(Good News Bulletin) ()

()

(Spotlight)

()

// ()

//

(www.islam-online.net/iol-arabic/dowalia/alhadath2000-jul-20/alhadath1.asp)
(newsletter-subscribe@internet-evangelism.org) ()

(http://ied.gospelcom.net/index.php) ()

(http://community.gospelcom.net/Brix?pageID=12176) ()

(http://community.gospelcom.net/Brix?pageID=11914) ()

(Calvin College) (Ph.D. Quentin J. Schultze) ()
()

(ifc-subscribe@lists.gospelcom.net) :

(IFC) (Internet for Christians)

(CD)

(www.calvin.edu/academic/cas/faculty/pschultz.htm)

(A4)

(http://ifc.gospelcom.net)

()

(www.liveprayer.com)

(www.pray4you.org)

!

(www.ibs.org)

()

()

(Web Evangelism Bulletin)

()

()

(www.inarabic.org)

(International Arabic Ministries)

(JESUS)

(web-evangelism-subscribe@lists.gospelcom.net) :

(web-evangelism-get.1@lists.gospelcom.net)

(www.gospelcom.net/guide/resources/bulletin.php) :

(weblite-subscribe@web-evangelism.com) :

)

() (www.muhammadanism.com)
. (

()

()

(www.gospelcom.net)

()

() (www.crosssearch.com)

:

.....

)

(

:

()

()

(GCI)

(Gospel Communication , Intl., Inc)

()

. (http://cci.gospelcom.net/ccihome)

()

(Arab World Ministries)

(awm)

(www.gospelcom.net/awm)

:

. (awm-eneews-subscribe@lists.gospelcom.net) :

(cross)
(cross)

(Cross Search) ()

() .

=

.

()
(www.christiancomputergames.net):
() .

() ()

()

()

()

_____ ()

// (http://www.islamonline.net/iol-arabic/dowalia/alhadath2000-mar-05/alhadath-7.asp) // " ") ()

((www.islamonline.net/Arabic/News/2001-04/04/article14.shtml) // ()

// (www.islamonline.net/Arabic/news/2002-03/26/article11.shtml)

. () (=)

()

()

()

=

)

() (.

()

=

=

()
()

. (//)
(http://news.bbc.co.uk/hi/arabic/news/newsid_825000/825999.stm)
(www.billygraham.org/spiritualhelp/answers.asp?show=oneq&rside=onecat&q=82)

()
()

(:)

):

"

"

: " "

//

(//) (www.islamonline.net/Arabic/News/2001-09/15/Article59.shtml)

() () () ()

//

(http://news.bbc.co.uk/hi/arabic/news/newsid_696000/696555.stm)

= =

.

()

=

()

=

!!

=

=

() .

= =



()

(www.al-fatiha.net)

()

(org)

(org)

(net)

:

)

:

=

()

(

(.)

//

. (http://news.bbc.co.uk/hi/arabic/news/newsid_1406000/1406523.stm)

()

()

!

()

()

(//)

. (www.islamonline.net/iol-arabic/dowalia/alhadath2000-June-18/alhadath8.asp)

. (www.islamonline.net/Arabic/news/2005-04/15/article05.shtml)

()
()

" "

//

. (www.islamonline.net/Arabic/News/2001-05/14/article30.shtml)

(

:

() .

:

() () () ()

.

.

:

(Cyber Sex)

()

)

()

:

(!)

() (

:

.

.

.

=

:

=

.

/ /

: ()
. (www.islamonline.net/fatwaapplication/arabic/display.asp?hFatwaID=88587)

()

()

()

()

= =

)

(.

)

(

" High Times ")

=

(
() " MAP ")

:

=

()

//

//

//

()

(http://news.bbc.co.uk/hi/arabic/news/newsid_1212000/1212086.stm)

//

(:)

//

(www.islamonline.net/iol-arabic/dowalia/alhadath2000-oug-2/alhadath12.asp)

()

(Media Awareness Project)

()

(. :
:
)
(
" " " "
.
:
:
(
:
()
()
(.
(.

()

:

:

(

)

() ﴿ وَأَنَّهُ كَانَ رِجَالٌ مِّنَ الْإِنسِ يَعُوذُونَ بِرِجَالٍ مِّنَ الْجِنِّ فَزَادُوهُمْ رَهَقًا ﴾

. (www.dasin.net) (www.yezidi.dk) . () =

()

()

//

. (www.islamonline.net/iol-arabic/dowalia/fan-10/alrawe.asp)

()

()
()

//

)

:

:

(

(.....)

!!

:

()
()

"

"

()
()
)

() (.

() (Black Metal)

// _____ ()
()

(http://news.bbc.co.uk/hi/arabic/news/newsid_830000/830873.stm)
() //

(http://news.bbc.co.uk/hi/arabic/news/newsid_1794000/1794988.stm) ()

(www.islamonline.net/Arabic/News/2000-12/15/article4.shtml) // ()

// ()
(www.islamonline.net/Arabic/news/2001-07/21/article15.shtml) ()

()

.

=

= =

.

()

()

(Black Metal)

.

//

//

. (www.alwatan.com.sa/daily/2002-06-18/culture/culture09.htm)

()

()

()

=

=

(www.wahy.com)

(<http://islam.gov.kw>)

(www.islamtoday.net)

(www.alminbar.net)

()

()

:

()

()

()

()

()

.(

:

):

()

()

()

()

()

.
()

∞ ∞ ∞

()



()

()

()

()

()

()

()

()

()

()

()

()

()

(sa)

()

. ()
=

()

.

=

:

.

()

=

.

(www.ksu.edu.sa)

()

.

.
=

()

()

()

()

()

() (SPSS)
() ()

:

:

()

∴ ()

() ,

∴ ()

(,)

,)

(,)

(,

(, - ,)

()

(SPSS)

()

(% ,)

()

(% ,)

∴ ()

(% ,)

((% ,))

()

(-)

∴ (-)

()

() .

:

()

	/
	/ /
	/ /
	/ /
=	/ /
=	/

:

()

	/
	/ /
	/

:

(+ -)

(Corrected Item – Total Correlation)

()

. (, - ,)

. (SPSS)

. -

()

/			
/			
/			
/			
/			
/			
/			
/			
/			
/			
/			
/			
/		()	
/			
/			
/			
/			
/			
/			
/			
/			
/			
/			
/			
/		()	
/		()	
/		()	
/			
/			
/			

:

()

(,)

:

(,)

()

,		
,		
,		
,		
,		
,		
,		
,		
,		
,		
,		

.

(,) (,)

(,) (,) (,)

.(,) (,)

(,) (,) (,)

(,)

(,)

.(,)

.(,)

$$\begin{pmatrix} (& ,) \\ (&) \end{pmatrix} \begin{pmatrix} - \\) \end{pmatrix} = \begin{pmatrix} (& - \\ (& ,) \end{pmatrix} \begin{pmatrix}) \\) \end{pmatrix} \quad \begin{pmatrix} (& ,) \\ (&) \end{pmatrix} \begin{pmatrix} - \\) \end{pmatrix}$$

$$\begin{pmatrix} (& ,) \\ (&) \end{pmatrix} \begin{pmatrix} (&) \\ (& - \\ (& ,) \end{pmatrix} \begin{pmatrix}) \\ (& ,) \\ (& - \\) \end{pmatrix} = \begin{pmatrix} (& ,) \\ (&) \end{pmatrix} \begin{pmatrix} (&) \\ (& - \\ (& ,) \end{pmatrix} \begin{pmatrix}) \\ (& ,) \\ (& - \\) \end{pmatrix}$$

=
=

.

(,)

(,)

()

'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'			
'		'		()	
'		'		()	
'		'		()	
'		'			

:

()

,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	

.(,)

(,)

.

()

/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/		
/		/		/		/	()	
/		/		/		/	()	
/		/		/		/	()	
/		/		/		/		

(,) : (,) (,) (,)

() : ()

/	/ -	/	/			
		/	/			
/	/ -	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/		()	
		/	/		()	
		/	/		()	
		/	/			

$$\begin{pmatrix} (,) \\ (,) \\ (,) \end{pmatrix} \quad \begin{matrix} : \\ (,) \\ (,) \end{matrix}$$

$$\begin{matrix} (,) & (,) \\ & (,) \end{matrix} \quad \begin{matrix} () & (,) \\ (,) & (,) \end{matrix}$$

$$(,)$$

$$(,)$$

$$() \quad ()$$

·
· (,)
() ()
() (,)
(,) : ()
() (,)
(,) (,) (,)

(,) : (,) (,) (,)
(,) (,) (,)
(,) (,) (,)

= =
= =

(,)
(,)

()

/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/		()	
/		/		()	
/		/		()	
/		/			

() :

,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	

(,) (,) (,) (,) (,) (,) (,)

(-) (,) = (,)
 ()

·
 ()

:
 ()

/	' -	/	/			
		/	/			
/	' -	/	/			
		/	/			
/	' -	/	/			
		/	/			

()

/	'	/	/			
		/	/			
		/	/			
/	'	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	'	/	/			
		/	/			
		/	/			
		/	/			
/	'	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

((,))
 (,)

= = =

(,) (,)
: (,) (,)
/

.

: (,) (,)

=

()

(,)

(,) ()

()

.

:

(,)

(,)

(,)

.

()

.

()

/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/		()	
/		/		()	
/		/		()	
/		/			
/		/			

:
()

,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	

(,) : (,)
. (,) (,)

()

,		
,		
,		

% ,

% ,

% ,

()

()

()



()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			
/		/		/			

:

()

'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		
'	'	'		

. (,) (,)

()

		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
	-	/	/		()

•

•

•

•

•

•

•

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} =$$

()

:

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)
(,)
:

:
(,)

(,)

:

(,)

:

(,)

(,)
(,)

.(,)

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()
:

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			

:

(,)

(,)

(,)

:

.

.

.

:

:

(,)

.(,)

:

(,)

.(,)

(,)

.(,)

.(,)
(,)
(-)

()
()
(-)
(-)
(,)

(-)
(,)
(,)

(-)
(,)
(-)
.(,)

$$\begin{aligned}
 & \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) : \\
 & \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \\
 & \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \\
 & : \\
 & \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right)
 \end{aligned}$$

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,) (,) (,) (,) (,) :
= =

(,)
= (,) (,)

(,) (,) (,)

(,) (,)

. (,)

(,)

(,)

(-)

(-)

. (-)

(-)

(-)

. (,)

(-)

(-)

(,)

(-)

. (,)

(,)

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			()
		'	'			()
		'	'			()
		'	'			
		'	'			

:

:

(,)

=

:

.

:

.

:

(,)

:

(,)

.

:

.

:

.(,)

:

.

.(,)

:

.

:
:(,)

:

.

() (,)
:

-) (-) (-) (,) (-)
:

.

(-) (-)
(,)

:

.
:
- () - (,) (-)
(,) (-)
(-)

(-)

.

(,)

=

(,)

:

.

=

.

:

=

.

:

.

.

.

.

.

()

/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/		(-)	
/		/			
/		/			
/		/		()	
/		/		()	
/		/		()	
/		/			
/		/			
/		/			

:

()

,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	

:

(,)

.(,)

(,)
(,)

= =

= = (,)

. (,)

. ()

,		,			
,		,			
,		,			
,		,			
,		,			
,		,			
,		,			
,		,			
,		,			
,		,			
,		,			
,		,			
,		,			
,		,		()	
,		,		()	
,		,		()	

() :

,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	

.(,)

:

.

:

.

.

.

()

()

:

()

:

()

:

(msn)

(<http://loginnet.passport.com>)

()

()

/		
/		
/		
/		

()

/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/			
/		/		/		/		()	
/		/		/		/		()	
/		/		/		/		()	
/		/		/		/			
/		/		/		/			

:

()

'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		

. (,) (,) :

. (,)

(,)

(,) :
 (,)
 . (,)

(,)

⋮
 (,)
 . (,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			
/		/		/		/		/			

:

()

'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		

. (,) (,) :

. (,) :

. (,) (,) :

(,) (,) . (,)

. (,) (,) :

()

,		
,		

,

.

,

.

()

/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/		()	
/		/		()	
/		/		()	
/		/			

:

()

,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	
,	,	

(,) :
.(,) (,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			

:

()

'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		

.(,)

: (,)

(,)

.(,)

(,) :

.(,)

.(,)

(,)
(,)

: (,)
.(,)

(,)

(,)

(,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			
/		/		/		/		/			

$$\begin{pmatrix} a & b \\ c & d \end{pmatrix} = \begin{pmatrix} a & b \\ c & d \end{pmatrix} : \begin{pmatrix} a & b \\ c & d \end{pmatrix} = \begin{pmatrix} a & b \\ c & d \end{pmatrix}$$

()

:

()

'	'	'	'			
		'	'			
'	-	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
'	'	'	'		()	
		'	'			
'	'	'	'			

(,)
:

:
(,)

.

.

:

(,)

.

(,) :

(,)

:
(,)

.(,)

.(,)

(,)

:

.(,)

(,)

.(,)

.(,)

(,)

() :
(,)

(-)
(-) (,)

$(,)$ $(-)$
 $(-)$ $(,)$ $(-)$:
 $(-)$ $(,)$ $(-)$: $(,)$
 $(-)$ $(-)$: $(,)$ $(-)$
 $(,)$ $(-)$ $(,)$ $(-)$
 $(-)$ $(,)$ $(-)$ $(,)$
 $(-)$ $(-)$ $(,)$ $(-)$
 $(,)$ $(-)$ $(,)$ $(-)$
 $(-)$ $(,)$ $(-)$ $(,)$
 $(,)$ $(-)$ $(,)$ $(-)$
 $(,)$ $(-)$ $(,)$ $(-)$
 $(,)$ $(-)$ $(,)$ $(-)$
 $(,)$ $(-)$ $(,)$ $(-)$
 $(,)$ $(-)$ $(,)$ $(-)$

(,)

(,)

(,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			
/		/		/		/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

$$\begin{pmatrix} (,) \\ (,) \\ \vdots \end{pmatrix} \begin{pmatrix} (,) \\ (,) \\ \vdots \end{pmatrix} \begin{pmatrix} (,) \\ (,) \\ \vdots \end{pmatrix}$$

.

.

:

$$.(,)$$

$$.(,)$$

$$() (-)$$

$$.(,)$$

$$(-)$$

$$.(,)$$

$$(-)$$

$$.(,)$$

()

/		
/		
/		
/		
/		

()

()

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			
/		/		/		/		/			

:

()

'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		
'	'	'	'	'		

(,)

⋮
(,)
·(,)

(,)

⋮
(,)
·(,)

(,)
·(,)

⋮
·(,)

⋮
(,)
(,)

⋮
·(,)

(,)

(,) (,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			

(,)

:
(,)

:

:

﴿ ثُمَّ أَوْرَثْنَا الْكِتَابَ الَّذِينَ اصْطَفَيْنَا مِنْ عِبَادِنَا فَمِنْهُمْ ظَالِمٌ لِنَفْسِهِ وَمِنْهُمْ مُقْتَصِدٌ وَمِنْهُمْ سَابِقٌ بِالْخَيْرَاتِ بإِذْنِ اللَّهِ ذَلِكَ هُوَ الْفَضْلُ الْكَبِيرُ ﴾ ()

(,)

(,)

(,)

(,)

(,)

(,)
(,)

(,)

(,)
(,)

(,)
(,)

()

(,)

(,)

(,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		-	-	/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
-	-	/		/		/		/			

(\quad, \quad) :

(\quad, \quad)
 (\quad, \quad)

(\quad, \quad)

(\quad)

(\quad)

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

(\quad)

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'		(\quad)	
		'	'		(\quad)	
		'	'		(\quad)	
		'	'			
		'	'			

(,)

:

(,)

:

.

.(,)

$$\begin{pmatrix} (, ,) \\ (, ,) \end{pmatrix} :$$

$$\begin{pmatrix} (, ,) \\ (, ,) \end{pmatrix} =$$

$$(, ,) =$$

$$()$$

:

$$()$$

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

$$()$$

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

(,)

:

:

=

.

.

= =

.

:

(,)

.(,)

:

:

(,)

(,)

.

:

(,)

(,)

.(,)

:

.(,)

$$(\quad - \quad) \quad : \quad . (\quad , \quad) \quad (\quad - \quad) \quad (\quad - \quad)$$

$$(\quad - \quad) \quad (\quad , \quad) \quad (\quad , \quad) \quad . (\quad - \quad) \quad (\quad - \quad) \\ (\quad - \quad) \quad :$$

$$(\quad , \quad) \quad (\quad - \quad) \quad (\quad - \quad) \quad . (\quad , \quad) \\ (\quad - \quad) \quad (\quad , \quad) \quad (\quad - \quad)$$

$$) \quad (\quad , \quad) \quad (\quad - \quad) \quad (\quad - \quad) \quad (\quad - \quad) \\ : \quad . (\quad , \quad) \quad (\quad - \quad)$$

$$(\quad , \quad) \quad (\quad , \quad)$$

$$(\quad , \quad) \quad (\quad , \quad)$$

$$(\quad , \quad) \quad (\quad , \quad)$$

$$(\quad , \quad) \quad (\quad , \quad)$$

$$(\quad - \quad) : \quad . (\quad) \quad (\quad - \quad)$$

(,)

(,) (,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		-	-	/		/		/			
/		-	-	/		/		/			
-	-	/		/		/		/			
-	-	-	-	/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/		()	
-	-	-	-	/		/		/		()	
/		/		/		/		/		()	
-	-	/		/		/		/			

(,)

(,) (,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/		(-)	
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/			
/		/		/		/		/			

$$\begin{pmatrix} (,) : \\ (,) \end{pmatrix} = \begin{pmatrix} (,) \\ (,) \end{pmatrix} \quad (,) =$$

()

⋮
()

'	'	'	'			
'	' -	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(,) :

(,) (,) (,)

:

.

.

:

.(,)

:

(,)

.(,)

.

:

(,)

.(,)

.

()

(

)

.(,)

:

(

)

.()

.

(

)

.(,)

:

.

.

(,)

(,) (,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/		(-)	
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/		()	
-	-	/		/		/		/		()	
-	-	/		/		/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} :$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} =$$

()

:

()

'	'	'	'			
'	' -	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

$$\begin{array}{ccc}
& & \vdots \\
& & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \\
& \vdots & \\
& & \cdot \\
& & \cdot \\
& & \vdots \\
& \cdot \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \vdots \\
& & \\
& & \cdot \\
\begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \cdot & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \vdots \\
& & & \vdots \\
& \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \vdots & \\
& & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \\
& & & \cdot \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \\
& & \cdot \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \\
& & & \\
& & \vdots & \cdot \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \\
& \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \\
& & \cdot \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \\
& & & \\
& \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \vdots \\
& \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}
\end{array}$$

$$\begin{aligned}
 & \left(\begin{array}{c} \vdots \\ - \end{array} \right) \left(\begin{array}{c} - \\ \vdots \end{array} \right) : \\
 & \left(\begin{array}{c} - \\ \vdots \end{array} \right) : \quad \begin{array}{cc} \left(\begin{array}{c} \vdots \\ , \end{array} \right) & \left(\begin{array}{c} , \\ \vdots \end{array} \right) \\ \cdot \left(\begin{array}{c} , \\ \vdots \end{array} \right) & \end{array} \\
 & \quad \begin{array}{cc} \left(\begin{array}{c} \vdots \\ , \end{array} \right) & \left(\begin{array}{c} , \\ \vdots \end{array} \right) \\ \cdot \left(\begin{array}{c} , \\ \vdots \end{array} \right) & \end{array} \quad \left(\begin{array}{c} - \\ \vdots \end{array} \right)
 \end{aligned}$$

(,)

(,)

(,)

()

/		-	-	/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/			
-	-	-	-	-	-	/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		-	-	/		/		/			
/		/		/		/		/			
/		-	-	/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/			
-	-	-	-	/		/		/		()	
/		/		/		/		/		()	
/		-	-	/		/		/		()	
/		/		/		/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()

:

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,) (,)

(,)
(,)

:

:

.

=

.

.

.

:

.

.(,)

:

(,)

(,)

.(,)

.

:

(,)

(,)

.(,)

(,)

.(,)

.(,)

(,)

.

:

.(,)

(,)

. (,)

(,)

. (,)

. (,)

(,)

:

. (,)

(,)

. (,)

.

:

. (,)

(,)

. (,)

(,)

. (,)

. (,)

(,)

.

:

. (,)

.

. (,)

(,)

$$\begin{pmatrix} ' & , \end{pmatrix} \begin{pmatrix} ' & , \end{pmatrix} : \quad \begin{pmatrix} ' & , \end{pmatrix} \begin{pmatrix} ' & , \end{pmatrix} \quad \begin{pmatrix} ' & , \end{pmatrix} \begin{pmatrix} ' & , \end{pmatrix}$$

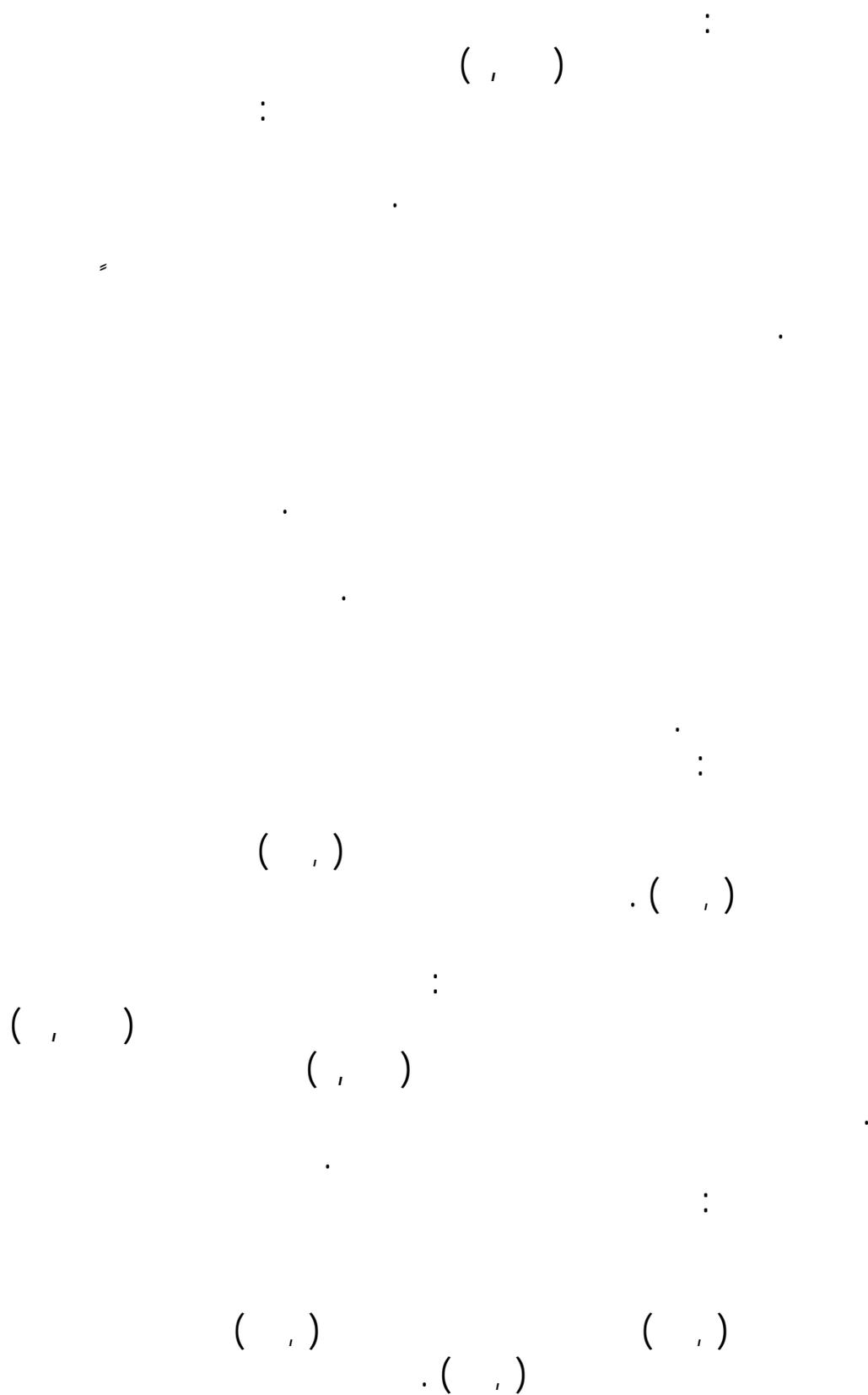
()

∴
()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			
		'	'			



:

.(,)

.

:

(,)

(,)

(,)

(,)

.(,)

:

.(,)

:

.(,)

(,)

(,)

(-)

:

()

.(,)

(-)

(-)

(-)

(-)

:

(-)

.(,)

(-)

.

) :

((-))

(-)

.(,)

()

= (,) (,)

(,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/		-	
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} =$$

()

:

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

(,)

:

.

= =

=

.

.

.

=

.

= =

:

:

(,)

(,)

.

= =

=

.

(,)

.

(,)

.

(,)

(,)

:

(,)

(,)

(,)

(-) : () (,)
 () (-) (,)
 () (-) (-) (,)
 () (-) (-) (-)
 () (-) (-) (-)
 () (-) (-) (-)
 () (-) (-) (-)
 () (-) (-) (-)
 () (-) (-) (-)

() (,)

(,)

()

/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
-	-	/		/		/		/		
/		/		/		/		/		
/		/		/		/		/	()	
/		/		/		/		/	()	
/		/		/		/		/	()	
-	-	/		/		/		/		

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \quad \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} =$$

()

∴
()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

∴

(,)

:

.

.

.

.

:

:

(,)

.

:

(,)

(,)

.

:

(,)

(,)

.

(-)

:

()

(-)

(-)

(,)

()

(,)

()

(-) (-)

$$= \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} = \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}$$

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/		(-)	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			

$$\begin{pmatrix} (& ,) \\ (& ,) \end{pmatrix} : \begin{pmatrix} (& ,) \\ (& ,) \end{pmatrix} = \begin{pmatrix} (& ,) \\ (& ,) \end{pmatrix}$$

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	-	'		()	
		'	'		()	
		'	'		()	
		'	'			
'	'	'	'			

(,)

:

(,)

. (,)

.

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

:

()

:

:

()

:

() :

		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
	-	/	/		()

(,)

(,)

()

/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-		
								-	-		

(,)

(,)
(,)

(,)

:

()

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	

(,)

:

(,)

(,)

(,)

(,)

:

(,)

(,)

()

/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-		
								-	-		

= (,) (,) (,)
 ()

:

()

'	'	'	'			
'	'	'	'			
'	' -	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(,)

:

(,)

(,)

:

.

(-) . (,) ()
() (-)
.

(,)

(,)

()

/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-		
								-	-		

(,) (,) (,) (,) (,) (,) (,) (,)

: () ()

/	/	/	/			
		/	/			
/	/ -	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

(,)

(,)

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		/			
-	-	/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		/			
/		/		/		/		/			

$$\begin{pmatrix} (& ,) \\ (& ,) \end{pmatrix} = \begin{pmatrix} (& ,) \\ (& ,) \end{pmatrix} =$$

()

:

()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
'	'	'	'		()	
		'	'			

(,)

. (,)

.

(,)

(,)

()

/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		-	-	()
/		/		/		-	-	-	-	()
/		/		/		/		/		()
/		/		/		/		-	-	
/		/		/		/		/		

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()

:

()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

$$\begin{array}{ccccc}
 & & & & \vdots \\
 (,) & & & (,) & (,) \\
 & & & (,) & \\
 & \vdots & & & \\
 & & (-) & () & \\
 & & & \vdots & \\
 & & & (,) & \\
 () & & & (,) & (-) \\
 & & & .(,) & \\
 () & & & & \\
 (-) & & & (-) & \\
 & & & & \\
 & & & & \cdot
 \end{array}$$

(,)

(,)

()

/		/		/		/		-	-	
/		/		/		/		-	-	
								-	-	
/		/		/		/		-	-	
-	-	/		/		-	-	-	-	
								-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
								-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	()
/		/		/		/		-	-	()
/		/		/		/		-	-	()
/		/		/		/		-	-	
								-	-	

(,)

(,)

()

/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		-	-	()
/		/		/		/		-	-	()
/		/		/		/		/		()
/		/		/		/		-	-	
/		/		/		/		/		

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

:

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

·	·	·	·			
		·	·			
·	· -	·	·			
		·	·			
·	·	·	·			
		·	·			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

·	·	·	·			
		·	·			
		·	·			
·	·	·	·			
		·	·			
		·	·			
		·	·			
·	·	·	·			
		·	·			
		·	·			
·	·	·	·			
		·	·		()	
		·	·		()	
		·	·		()	
		·	·			

$$\begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} :$$

(\quad)

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

(\quad)

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

(,)

:

.

.

()

(,)

()

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \quad \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \quad \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

() :

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

: (,) (,)

$$\begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} = \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}$$

:

$$\begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}$$

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

$$\begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}$$

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		' -	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

$$\cdot \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}$$

(,)

(,)

()

/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		-	-	-	-	
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		/		
/		/		/		/		-	-	
/		/		/		/		/		
/		/		/		/		/		()
/		/		/		/		-	-	()
/		/		/		/		-	-	()
/		/		/		/		/		
/		/		/		/		/		

$$\begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} \quad \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix}$$

:

$$\begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix}$$

/	-	/	/			
		/	/			
/	-	/	/			
		/	/			
/	-	/	/			
		/	/			

$$\begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix}$$

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

$\begin{pmatrix} (,) \\ (,) \end{pmatrix}$: $\begin{pmatrix} (,) \\ (,) \end{pmatrix}$
 $(,)$ $(,)$ $(,)$

:
.

.

.

:

.(,)

(,)

(-) ()

.(,)

(,) () :
(-) (,)
.()

() ()
(-)

(-)

.

(,)

(,)

()

/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		/			
/		/		/		/		/			

$$\begin{aligned}
& (,) = (,) + (,) \\
& (,) \\
& (,) : \\
& (,)
\end{aligned}$$

'	' -	'	'			
'	' -	'	'			
'	' -	'	'			

$$(,)$$

'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'	(,)	
'	'	'	'	(,)	
'	'	'	'	(,)	
'	'	'	'		

$$\begin{aligned}
& (,) \\
& (,) : \\
& (,) :
\end{aligned}$$

$$\begin{matrix} & & & & (\\ (& , &) & & (\\ & & (& , &) \\ & & & & (\\ & & & & & &) \end{matrix}$$

()

:

()

'	'	-	'	'			
			'	'			
'	'	-	'	'			
			'	'			
'	'	-	'	'			
			'	'			

()

'	'		'	'			
			'	'			
			'	'			
'	'		'	'			
			'	'			
			'	'			
			'	'			
			'	'			
'	'		'	'			
			'	'			
			'	'			
			'	'			
'	'		'	'			()
			'	'			()
			'	'			()
			'	'			

(,)

:
(,)

(,)

(,)

()

/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		/			
/		/		/		-	-	-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()

:

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,) (,) : (,)
:
.
.
.(,)
.

(,)

(,)

()

/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		/			
/		/		-	-	-	-	-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		/			

(,) (,) (,) (,) (,) (,)

() :

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	

(,)

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

:

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

(,)

()

/		.		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/		/			
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		/			

(,)

(,)

(,)

()

/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/					
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/					
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/					
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/					
/		/		/		/		/			
/		/		/		/		-	-		
/		/		/		/					
/		/		/		/		/			
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		/		()	
/		/		/		/		-	-		
/		/		/		/					

$$= \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			

()

(,)

(,)

()

/		/		/		/		-	-		
-	-	/		-	-	-	-	-	-		
								-	-		
/		/		/		/		-	-		
/		/		-	-	-	-	-	-		
								-	-		
/		/		-	-	-	-	-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		-	-	/		-	-		
								-	-		
-	-	/		-	-	-	-	-	-		
/		/		-	-	/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		-	-	-	-	-	-	-	-		
/		/		-	-	-	-	-	-		
								-	-		
-	-	-	-	-	-	-	-	-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		-	-	-	-	-	-		
								-	-		
-	-	-	-	-	-	-	-	-	-		
/		/		-	-	-	-	-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-		
/		/		/		/		-	-		

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

: ()

-	-	/	/		
		-	/		
/	/	/	/		
		/	/		

()

/	/	/	/		
		-	/		
		/	/		
/	/	/	/		
		/	/		
		/	/		
/	/	-	/		
		/	/		
		/	/		
/	/	/	/		
		-	-	-	
		/	/		
		/	/		
/	/	/	/		
		-	-	-	()
		/	/		()
		/	/		()
/	/	/	/		

(,)

.

.

.

()

()

		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		

()

(¹) (www.isu.net.sa)

:

()

:

()

:

• =
=

(,)

•

•

•

=

=

•

•

(islamonline)

(www.islamonline.net)

(,)

()

()

()

()

()

(Home Page) ()

()

()

//

(.....)

)

//

(

(www.islamonline.net/Arabic/news/2005-06/16/article11.shtml)

. (www.islamonline.net/arabic/adam/2005/08/Article08.shtml)

()

-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/		()	
-	-	/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()
:

()

'	'	'	'			
'	' -	'	'			
'	'	'	'			

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
'	'	'	'			

(,) (,) :

(,) (,) (,)

∴ $(,)$ $(,)$

.

:

≠

≠

≠

.

.

:

$(,)$

:

.

.

$(,)$

:

(,)

:

(,) (-) :

(-) (,) (-)

(,) (,)

:

(-)

()

(,) (-) ()

(-) (-)

(-) (-)

(,) (-) (,)

() () ()

:

()

()

()

(-)

()
(-)

()
. ()

(,)
:

(<http://islam.gov.kw>)

()

-	-	-	-	/		/		/		
-	-	-	-	/		/		/		
-	-	-	-							
-	-	-	-	/		/		/		
-	-	-	-	-	-	/		/		
-	-	-	-							
-	-	-	-	/		/		/		
-	-	-	-	/		/		/		
-	-	-	-							
-	-	-	-	-	-	/		/		
-	-	-	-	/		/		/		
-	-	-	-	/		/		/		
-	-	-	-							
-	-	-	-	-	-	/		/		
-	-	-	-	/		/		/		
-	-	-	-	/		/		/		
-	-	-	-							
-	-	-	-	-	-	/		/		
-	-	-	-	/		/		/		
-	-	-	-	/		/		/		
-	-	-	-							
-	-	-	-	-	-	/		/		
-	-	-	-	/		/		/		()
-	-	-	-	/		/		/		()
-	-	-	-	-	-	/		/		()
-	-	-	-	/		/		/		
-	-	-	-							

(,)

(,) :

(,) =

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
'	'	'	'		()	
		'	'			
'	'	'	'			

$$\begin{pmatrix} \vdots \\ \vdots \\ \vdots \end{pmatrix} \approx \begin{pmatrix} \vdots \\ \vdots \\ \vdots \\ \vdots \end{pmatrix} = \begin{pmatrix} \vdots \\ \vdots \end{pmatrix} : \begin{pmatrix} \vdots \\ \vdots \end{pmatrix} \approx \begin{pmatrix} \vdots \\ \vdots \end{pmatrix}$$

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			

$$\begin{pmatrix} \vdots \\ \vdots \\ \vdots \end{pmatrix} - \begin{pmatrix} \vdots \\ \vdots \end{pmatrix} = \begin{pmatrix} \vdots \\ \vdots \\ \vdots \end{pmatrix} \cdot \begin{pmatrix} \vdots \\ \vdots \end{pmatrix}$$

(www.islamweb.net)

(,)

()

-	-	/		/		/		/		
/		/		/		/		/		
/		/		/		/		/		
-	-	/		-	-	/		/		
-	-	/		/		/		/		
/		/		/		/		/		
-	-	/		/		/		/		
/		-	-	/		/		/		
-	-	/		/		/		/		
-	-	/		/		/		/		
-	-	/		/		/		/		
-	-	/		/		/		/		
-	-	/		/		/		/		
-	-	/		/		/		/		
/		/		/		/		/		
-	-	-	-	/		-	-	/		
-	-	/		/		/		/		
-	-	/		/		/		/		
-	-	/		/		/		/		
-	-	/		/		/		/		
-	-	/		/		/		/		
/		/		/		-	-	/		()
-	-	-	-	/		/		/		()
-	-	/		/		/		/		()
-	-	/		/		/		/		

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()

⋮

()

⋮	⋮	⋮	⋮			
		⋮	⋮			
⋮	⋮ -	⋮	⋮			
		⋮	⋮			
⋮	⋮	⋮	⋮			
		⋮	⋮			

()

⋮	⋮	⋮	⋮			
		⋮	⋮			
		⋮	⋮			
⋮	⋮	⋮	⋮			
		⋮	⋮			
		⋮	⋮			
		⋮	⋮			
⋮	⋮	⋮	⋮			
		⋮	⋮			
		⋮	⋮			
		⋮	⋮			
⋮	⋮	⋮	⋮			
		⋮	⋮		()	
		⋮	⋮		()	
		⋮	⋮		()	
		⋮	⋮			

(,)

(,)

:

(,)

:

(,)

.

.

:

.

.

(<http://alharamain.org>)

(,)

:

:

()

/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/			
		/									
/		/		/		/		/			
-	-	/		/		/		/			
-	-	/		/		/		/			
-	-	-	-	/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
-	-	-	-	/		/		/			
-	-	/		/		/		/			
/		/		/		/		/		()	
-	-	-	-	/		/		/		()	
-	-	-	-	/		/		/		()	
-	-	/		/		/		/			

(,) = (,) (,) : (,) = (,)

()
:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

(,)

:

:

.

=

:

.

.

(www.islamtoday.net)

(,)

=

.

:

.

.

=

:

.

.

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			

$(\underline{\quad}, \underline{\quad})$ $(\underline{\quad}, \underline{\quad}) =$ $(\underline{\quad}, \underline{\quad}) =$ $(\underline{\quad}, \underline{\quad}) :$ $(\underline{\quad}, \underline{\quad}) =$

$(\underline{\quad}, \underline{\quad})$
:

()

/	/	/	/			
		/	/			
/	/	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	

(,) :

⋮
(,)

:

.

:

=

.

:

.

.

(,)

.

(,)

:

:

(,)

.

(,)

:

:

.

.

(,)

(,)

:

:

(,)

(,)

(,)

(-)

(-)

:

(,)

()

(-)

(,)

(,)

(-)

()

(-)

(,)

:

(-)

:

()

(,)

()

(

()

()
 (www.salafi.net)
 (,)

:
 :

()

/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
-	-	/		/		/		/			
-	-	-	-	/		/		/			
-	-	-	-	/		/		/			
/		/		/		/		/			
-	-	-	-	/		/		/			
-	-	/		/		/		/			
-	-	/		/		/		/			
/		-	-	/		/		/			
-	-	-	-	/		/		/			
-	-	/		/		/		/			
/		-	-	/		/		/			
-	-	-	-	/		/		/			
-	-	/		/		/		/		()	
-	-	/		/		/		/		()	
/		/		/		/		/		()	
-	-	-	-	/		/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()

⋮

()

/	/	/	/			
		/	/			
/	/	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

$$\begin{pmatrix} (,) \\ (,) \\ (,) \end{pmatrix} : \begin{pmatrix} (,) \\ (,) \\ (,) \\ \vdots \end{pmatrix}$$

.

.

:

:

$$(,)$$

$$\cdot (,)$$

.

.

$$\cdot (,)$$

$$\cdot (,)$$

.

$$(-)$$

$$\cdot (,)$$

$$()$$

:

$$()$$

$$(-)$$

$$()$$

$$\cdot (-)$$

(www.binbaz.org.sa)
(,)

:
:

()

/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
-	-	/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/			
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/		()	
/		/		/		/		/			
/		/		/		/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

:

$$\begin{matrix} (,) & & (,) \\ & (,) & \\ & : & \\ & & \end{matrix}$$

$$\begin{matrix} \cdot & & \cdot \\ \cdot & & \cdot \\ \cdot & & \cdot \\ & & : \\ & & \end{matrix}$$

$$\cdot \begin{matrix} : \\ (,) \end{matrix}$$

$$(,)$$

$$(,)$$

:

$$\begin{matrix} (,) & \cdot (,) \\ (,) & \cdot (,) \end{matrix}$$

$$\cdot (,)$$

()

(-)

(,)

(-)

(-)

(,)

(,)

(-)

()

(-)
(,)

(-)

:

()

(,)

()

()

(-)

(-)

$(,)$ $(,) : (,) (,)$
 $()$
 $:$

'	'	'	'			
'	'	'	'			
'	'	'	'			

$()$

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

$(,)$ $(,)$ $:$

(,)
:

:

(,)

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \approx \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()

⋮

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
'	'	'	'			
		'	'			

⋮

(,)

(,)

(,)

:

.

.

.

.

.

:

:

(,)

.

(,) :

(,)

.

(,)

(,)

.

:

(,)

(,)

(,)

(,)

(,)

(,)

(-)
(-)

(,)

(

.

$$\begin{aligned}
 & -) \quad (-) \\
 & \quad \quad \quad : \\
 & \quad (,) \quad (-) \\
 & \quad \quad \quad \cdot (,) \quad (\\
 & \quad (-) \quad \cdot (,) \quad (-) \\
 & \quad \quad \quad \cdot (,) \quad (-) \quad (,)
 \end{aligned}$$

$$\begin{aligned}
 & (-) \\
 & (,) -) \quad : \\
 & \quad \quad (-) \quad (,) \\
 & \quad \quad \quad \cdot (-) \quad (,) \\
 & \quad \quad \quad \cdot ()
 \end{aligned}$$

$$(,) \approx (,) \begin{pmatrix} , \\ , \end{pmatrix} : (,) \approx (,)$$

$$()$$

$$:$$

$$()$$

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

$$()$$

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

∴ (,)
∴

∴ (,)

(,) ∴ (,) (,)
∴ (,)

∴ (,) ∴ (,)

() (-) ∴ (,)

(() -) ∴ (,) -) (- (,))
(,) (-) (-) ∴ ()

(,) = (,) = (,) (,) :

()
:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

:

. (,)

:

.

.

:

:

. (,)

.

(,) (-)

(-)

. () (,)

.

(,) = (,) (, ,) : (,) = (,)

()
 :
 ()

'	' -	'	'		
'	' -	'	'		
'	'	'	'		

()

'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'		
'	'	'	'	()	
'	'	'	'	()	
'	'	'	'	()	
'	'	'	'		

(,) :

(,)

(,)

(,)

:

⋮

(,)

(,)

(,)

)

(

)

(,)

(

(-)

(

)

(,)

(

)

(-)

:

: ()

()

/		/			
/		-	-		
/		/			
/		-	-		
/		/			
/		-	-		
/		-	-		
/		-	-		
/		-	-		
/		/			
/		-	-		
/		-	-		
/		-	-		
/		/			
/		-	-		
/		-	-		
/		-	-	()	
/		-	-	()	
/		/		()	
/		-	-		

()

()

		/		/		
-				-	-	
		/		/		
		/		/		
		/		/		
-				-	-	
		/		/		
		/		/		
		/		/		

(% ,)

=

=

()

.

()

(,)
(,)

=

()

/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		-	-		
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		-	-		
/		/			
/		/		()	
/		/		()	
/		/		()	
/		-	-		
/					

()

:

()

	(z)	
,	, -	
,	, -	
,	,	
,	, -	
,	, -	
,	,	
-	-	
,	, -	

. (,)

()

.. (spss)

.. (spss)

(,)

=

(,)

()

/		-	-		
/		/			
/		/			
/		-	-		
/		-	-		
/		/			
/		-	-		
/		/			
/		-	-		
/		-	-		
/		-	-		
/		-	-		
/		-	-		
/		/			
/		-	-		
/		-	-		
/		-	-		
/		/		()	
/		/		()	
/		-	-	()	
/		-	-		

(z)

(,)

(,)

()

/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/		()	
/		/		()	
/		/		()	
/		/			
/		/			

∴
()

	(z)	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	

.(,)

(,)

=

(,)

()

/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		-	-		
/		/			
/		-	-		
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		-	-		
/		/		()	
/		/		()	
/		-	-	()	
/		/			

:

()

	(z)	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	

.

(,)

=

(,)

()

/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		-	-		
/		-	-		
/		/		()	
/		/		()	
/		/		()	
/		-	-		

:

()

	(z)	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	
,	, -	

(,)
(,)

(,)
.(,)

(,)

(,)

=

()

/		-	-		
/		/			
/		/			
/		-	-		
/		/			
/		/			
/		-	-		
/		/			
/		-	-		
/		/			
/		/			
/		/			
		-	-		
/		/			
/		/			
/		-	-		
/		-	-		
/		/			
/		/			
/		-	-		
/		/			
/		/		()	
/		-	-	()	
/		/		()	
/		-	-		

() :

	(z)	
-	-	
-	-	
,	, -	
,	, -	
,	, -	
,	, -	
-	-	
,	, -	

.

(,)

(,)

()

/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		/			
/		-	-		
/		/			
/		-	-		
/		/			
/		/			
/		/			
/		/			
/		/			
/		-	-	()	
/		/		()	
/		/		()	
/		/			
/		/			

()

-	-	-	-	/				
-	-	/		/				
-	-							
-	-	/		/				
-	-	-	-	/				
-	-							
-	-	/		/				
-	-	/		/				
-	-							
-	-	/		/				
-	-	/		/				
-	-	/		-	-			
-	-	-	-	/				
-	-	-	-	/				
-	-							
-	-	-	-	/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/				
-	-	/		/		()		
-	-	/		/		()		
-	-	-	-	/		()		
-	-	/		/				
-	-							

(,) :

(,)

()

:

()

-	-	/	/			
		/	/			
-	-	/	/			
		-	/			
/	/ -	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
/	/	/	/			
		/	/			()
		/	/			()
		/	/			()
		/	/			

. (,)

()

-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		-	-		
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

/	-	/	/			
		/	/			
/	-	/	/			
		/	/			
/	-	/	/			
		/	/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

/	-	/	/			
		/	/			
		/	/			
/	-	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	-	/	/			
		/	/			
		/	/			
		/	/			
/	-	/	/			
		/	/			
		/	/			
		/	/			
		/	/			

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			
/		/		/			

$$\begin{pmatrix} a & b \\ c & d \end{pmatrix} \begin{pmatrix} e & f \\ g & h \end{pmatrix} = \begin{pmatrix} i & j \\ k & l \end{pmatrix}$$

$$\begin{pmatrix} m & n \\ o & p \end{pmatrix}$$

$$\begin{pmatrix} q & r \\ s & t \end{pmatrix}$$

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

$$\begin{pmatrix} u & v \\ w & x \end{pmatrix}$$

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

$$\begin{pmatrix} y & z \\ a & b \end{pmatrix}$$

$$\begin{pmatrix} c & d \\ e & f \end{pmatrix}$$

:

$$\cdot \begin{pmatrix} g & h \\ i & j \end{pmatrix}$$

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		-	-	/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	-	-	/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	-	-	/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			
/		/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

·	·	·	·			
		·	·			
·	·	·	·			
		·	·			
·	·	·	·			
		·	·			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

·	·	·	·			
		·	·			
		·	·			
·	·	·	·			
		·	·			
		·	·			
		·	·			
·	·	·	·			
		·	·			
		·	·			
·	·	·	·			
		·	·		()	
		·	·		()	
		·	·		()	
		·	·			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		-	-		
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			
-	-						

(,) :

(,)

()

:

()

'	'	'	'			
		'	'			
-	-	'	'			
		-	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		-	'			
		'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			
		'	'			

(,)

(,)

:

(,)

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		-	-	/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

$$\begin{aligned}
 & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} : \\
 & \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \quad \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \\
 & \quad \quad \quad \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix} \\
 & \quad \quad \quad \vdots \\
 & \quad \quad \quad \begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}
 \end{aligned}$$

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

.(,)

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		-	-		
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
-	-	/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

·	· -	·	·			
		·	·			
·	·	·	·			
		·	·			
·	· -	·	·			
		·	·			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

·	·	·	·			
		·	·			
		·	·			
·	·	·	·			
		·	·			
		·	·			
		·	·			
·	·	·	·			
		·	·			
		·	·			
		·	·			
·	·	·	·			
		·	·		()	
		·	·		()	
		·	·		()	
		·	·			

()

-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			

(,) :
 (,) (,)

()

∴
 ()

/	-	/	/			
		/	/			
/	-	/	/			
		/	/			
/		/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

()

		,	,		
		,	,		
		,	,		

()

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			
-	-	/		/			

(,):

=

(,)

()

:

()

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

.

()

-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	-	-		
-	-	-	-	/			
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	/		/		()	
-	-	-	-	/		()	
-	-	/		/		()	
-	-	-	-	/			
-	-						

(,) :

=

(,)

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			
/		/		/			

(,) : (,) (,)
()
:

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(,)

()

-	-	-	-	/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	-	-	/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	-	-	/		()	
-	-	-	-	/		()	
-	-	-	-	/		()	
-	-	-	-	/			
-	-						

(,) :

(,)

()

:

()

'	' -	'	'			
'	' -	' -	'			
'	' -	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(,) (,) :

(,) (,) (,) - (,) (,) :

(,) (,) (,)

.

.

()

		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		

=

=

=

.

.

()

/	/	/	-	-	-	-	
/	/	/	/		/		
/	/	/	/	-	-	-	-
/	/	/	-	-	-	-	
/	/	/	/		/		
/	/	/	/		-	-	
/	-	-	/	-	-	-	-
/	/	/	-	-	-	-	
/	/	/	-	-	/		
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	/		-	-	
/	/	/	/		-	-	
/	/	/	-	-	/		
/	/	/	-	-	-	-	
/	/	/	/		/		
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	()
/	/	/	-	-	-	-	()
/	/	/	-	-	-	-	()
/	/	/	-	-	-	-	

$$\begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

:

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot & - & \cdot & \cdot \\ \cdot & \cdot & - & \cdot & \cdot \\ \cdot & \cdot & - & \cdot & \cdot \\ & & & \cdot & \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot \end{pmatrix}$$

()

-	-	,		,		-	-	-	-	
,		,		,		,		-	-	
								-	-	
-	-	-	-	,		-	-	-	-	
-	-	,		,		-	-	-	-	
,		,		,		,		-	-	
,		,		-	-	,		-	-	
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	
-	-	,		,		-	-	-	-	
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	()
-	-	-	-	,		-	-	-	-	()
-	-	-	-	,		-	-	-	-	()
-	-	-	-	,		-	-	-	-	
-	-	-	-	,		-	-	-	-	

()

-	-	-	-	,	-	-	-	-	
,		,		,	,		-	-	
							-	-	
-	-	-	-	,	-	-	-	-	
-	-	,		,	-	-	-	-	
,		,		,	,		-	-	
							-	-	
-	-	-	-	,	-	-	-	-	
-	-	-	-	,	-	-	-	-	
-	-	-	-	,	-	-	-	-	
-	-	-	-	,	-	-	-	-	
-	-	-	-	,	-	-	-	-	
-	-	-	-	,	-	-	-	-	
-	-	-	-	,	-	-	-	-	
-	-	-	-	,	-	-	-	-	
-	-	-	-	,	-	-	-	-	
-	-	-	-	,	-	-	-	-	()
-	-	-	-	,	-	-	-	-	()
-	-	-	-	,	-	-	-	-	()
-	-	-	-	,	-	-	-	-	
-	-	-	-	,	-	-	-	-	

$$= \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} : \quad \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} =$$

$$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} :$$

$$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 0 & - & 1 & 1 \\ 1 & 1 & & 1 & 1 \\ 1 & 1 & - & 1 & 1 \\ 1 & 1 & & 1 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 1 & 1 & - & 1 \\ 1 & 1 & - & - & - \\ 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 0 \\ 1 & 0 \\ 1 & 0 \end{pmatrix}$$

.

·
()

/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
/		/		/		-	-		
-	-	-	-	/		-	-	-	-
/		/		/		-	-		
/		/		-	-	-	-	-	-
/		/		/		-	-		
/		/		/		-	-		
-	-	/		/		-	-	-	-
/		/		/		-	-		
/		/		/		-	-		
-	-	/		/		-	-	-	-
/		/		/		-	-	()
-	-	/		/		-	-	()
/		/		/		-	-	()
/		/		/		-	-		
/		/		/		-	-		

$$= \begin{pmatrix} \cdot \\ \cdot \\ \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \quad \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot & - & \cdot & \cdot \\ \cdot & \cdot & - & \cdot & \cdot \\ \cdot & \cdot & - & \cdot & \cdot \\ \cdot & \cdot & & \cdot & \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix}$$

.

()

/	/	/	-	-	-	-
/	/	/	/	/	/	/
/	/	/	/	/	/	/
-	-	-	/	-	-	-
/	/	/	-	-	-	-
/	/	/	/	/	/	/
/	/	/	/	/	-	-
-	-	/	/	-	-	-
/	/	/	/	/	-	-
/	/	/	-	-	/	/
-	-	/	/	-	-	-
/	/	/	/	/	/	/
/	/	/	/	/	-	-
/	/	/	/	/	-	-
-	-	/	/	-	-	-
/	/	/	/	/	/	/
/	/	/	/	/	-	-
/	/	/	/	/	-	-
-	-	-	/	/	-	-
/	/	/	/	/	-	-
/	/	/	-	-	/	()
/	/	/	-	-	-	()
/	/	/	/	/	-	()
/	/	/	-	-	-	-

(,) (,) : (,) = (,) = (,) = (,) =

()

:

()

' ' ' '

' ' ' '

' ' ' '

' ' ' '

()

' ' ' '

' ' ' '

' ' ' '

' ' ' '

' ' ' '

' ' ' '

' ' ' '

' ' ' '

' ' ' '

{ () }

{ () }

{ () }

(,)

:

(,)

.

()

/	/	/	-	-	-	-	
/	/	/	,		-	-	
/	/	/	,		-	-	
/	/	/	,		-	-	
/	/	/	-	-	-	-	
/	/	/	,		-	-	
/	/	/	,		-	-	
/	/	/	-	-	-	-	
/	/	/	,		-	-	
/	/	/	,		-	-	
/	/	/	,		-	-	
/	/	/	-	-	-	-	
/	/	/	,		-	-	
/	/	/	,		-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	,		-	-	
/	/	/	,		-	-	()
/	/	/	-	-	-	-	()
/	/	/	-	-	-	-	()
/	/	/	-	-	-	-	
/	/	/			-	-	

$$\begin{matrix} \text{=} \\ \text{=} \end{matrix} \quad \begin{matrix} (\text{ , }) \\ \text{=} \end{matrix} \quad \begin{matrix} (\text{ , }) \\ (\text{ , }) \end{matrix} \text{:} \quad (\text{ , })$$

$$(\text{ })$$

⋮

$$(\text{ })$$

$$\begin{matrix} \text{'} & \text{'} & \text{'} & \text{'} \\ & & \text{'} & \text{'} \\ & & (\text{ }) & \text{'} \end{matrix}$$

$$\begin{matrix} \text{'} & \text{'} & \text{'} & \text{'} \\ \text{'} & \text{'} & \text{'} & \text{'} \\ \text{'} & \text{'} & \text{'} & \text{'} \\ & & \text{'} & \text{'} \\ \text{'} & \text{'} & \text{'} & \text{'} \\ & & \text{'} & \text{'} \\ \text{'} & \text{'} & \text{'} & \text{'} \\ & & \text{'} & \text{'} \\ \text{'} & \text{'} & \text{'} & \text{'} \\ & & \text{'} & \text{'} \\ \text{'} & \text{'} & \text{'} & \text{'} \\ & & \text{'} & \text{'} \\ \text{'} & \text{'} & \text{'} & \text{'} \\ & & \text{'} & \text{'} \\ \text{'} & \text{'} & \text{'} & \text{'} \\ & & \text{'} & \text{'} \end{matrix}$$

$$\left(\begin{matrix} \text{ } \\ \text{ } \\ \text{ } \end{matrix} \right)$$

$$\begin{matrix} (\text{ , }) \\ (\text{ , }) \end{matrix} \text{:} \quad (\text{ , })$$

()

/	/	/	-	-	-	-	
/	/	/	,		-	-	
/	/	/	,		-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	,		-	-	
/	/	/	-	-	-	-	
/	-	-	,		-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	-	-	,		-	-	
-	-	/	/	-	-	-	
/	/	/	,		-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	-	-	-	-	,	-	
/	/	/	-	-	-	-	()
/	/	/	-	-	-	-	()
/	/	/	-	-	-	-	()
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	

$$\begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} : \quad \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} =$$

$$\begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} :$$

$$\begin{pmatrix} \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \end{pmatrix} \begin{pmatrix} \cdot \\ \cdot \\ \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}$$

.

()

/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	
/	/	/	/	/	-	-	()
/	/	/	/	/	-	-	()
/	/	/	/	/	-	-	()
/	/	/	/	/	/		

()

/		/		/		-	-	-	-	
-	-	/		/		/		-	-	
/		/		/		/		-	-	
-	-	-	-	/		-	-	-	-	
/		/		/		-	-	-	-	
-	-	-	-	/		/		-	-	
-	-	-	-	/		-	-	-	-	
-	-	/		/		-	-	-	-	
/		/		/		-	-	-	-	
-	-	/		/		-	-	-	-	
-	-	-	-	/		-	-	-	-	
-	-	-	-	-	-	/		-	-	
-	-	/		/		-	-	-	-	
/		/		/		-	-	-	-	
-	-	/		/		-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	/		/		-	-	
/		/		/		-	-	-	-	
-	-	/		/		-	-	-	-	
-	-	-	-	-	-	-	-	-	-	()
-	-	-	-	/		-	-	-	-	()
/		/		/		-	-	-	-	()
-	-	/		/		-	-	-	-	

\cdot
 $(,) \approx (,) : (,)$

$()$

$()$

$' \quad ' \quad ' \quad '$
 $- \quad - \quad ' \quad '$
 $' \quad ' \quad ' \quad '$

$()$

$' \quad ' \quad ' \quad '$
 $' \quad ' \quad ' \quad '$

(\quad)
 (\quad)
 (\quad)

$(,)$

()

/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	
/	/	/	/	-	-	()
/	/	/	/	-	-	()
/	/	/	/	-	-	()
/	/	/	/	-	-	
/	/	/	/	-	-	

$$\begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} :$$

$$\begin{pmatrix} \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \end{pmatrix}$$

$$\begin{pmatrix} \cdot & \cdot \\ \cdot & \cdot \\ \cdot & \cdot \end{pmatrix}$$

()

/	/	/	-	-	/	-	
/	/	/	,		-	-	
/	/	/	/	-	-	-	-
/	/	/	-	-	/		
/	/	/	,		-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	/		
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	/		
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	
/	/	/	-	-	-	-	()
/	/	/	-	-	-	-	()
/	/	/	-	-	-	-	(
/	/	/	-	-	/		

$$\begin{aligned}
 & (\quad , \quad) & (\quad , \quad) : & (\quad , \quad) \approx & (\quad , \quad) \approx & (\quad , \quad) \approx \\
 & (\quad) & & & & & & (\quad , \quad) \approx
 \end{aligned}$$

:

()

'	'	'	'
'	'	-	'
'	'	'	'
		'	'

()

'	'	'	'
'	'	'	'
		'	'
		'	'
'	'	'	'
'	'	'	'
'	'	'	'
'	'	'	'
'	'	'	'
'	'	'	'
'	'	'	'

$\left(\begin{array}{l} \quad \\ \quad \\ \quad \end{array} \right)$

()

/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
-	-	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	-	-	/	/			
/	/	/	/	-	-		
/	/	/	/	-	-		
-	-	/	/	-	-		
/	-	-	/	/			
/	/	/	/	-	-		
/	-	-	/	/			
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	/	/	/	-	-		
/	-	-	/	-	-		()
/	/	/	/	-	-		()
/	/	/	/	-	-		()
/	/	/	/	-	-		
/	/	/	/	-	-		

()

/		/	/	-	-		
/		/	/	-	-		
/		/	/	-	-		
/		/	/	-	-		
/		/	/	-	-		
/		/	/	-	-		
/		/	/	-	-		
-	-	/	/	-	-	-	-
/		/	/	-	-	-	-
-	-	/	/	/		-	-
/		/	/	/		-	-
						-	-
-	-	/	/	-	-	-	-
/		/	/	/		-	-
/		/	/	/		-	-
/		/	/	-	-	-	-
/		/	/	/		-	-
/		/	/	/		-	-
/		/	/	-	-	-	-
/		/	/	/		-	-
/		/	/	/		-	-
/		/	/	-	-	-	-
/		/	/	/		-	-
-	-	/	/	-	-	-	-
/		/	/	/		-	-
/		/	/	/		-	-

()

()

()

()

		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		

(,)

=

()

-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
-	-	/		/		()	
/		/		/		()	
/		/		/			

(,)

(,) :

(,)

()

:

()

'	' -	'	'			
'	' -	'	'			
'	' -	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/		()	
-	-	-	-	/		()	
-	-	/		/		()	
-	-	/		/			
-	-						

(,) (,) :

=

()
:

()

'	'	'	'			
		'	'			
-	-	'	'			
		-	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
'	'	'	'			()
		'	'			()
		'	'			()
		'	'			
		'	'			

.

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		-	-		
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	-	-		
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/		()	
-	-	-	-	/		()	
-	-	/		/		()	
-	-	/		/			
-	-						

(,) :

(,)

()

:

()

'	' -	'	'			
		'	'			
-	-	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

.(,)

()

-	-	/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		-	-		
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		-	-	()	
-	-	/		-	-	()	
-	-	/		/		()	
-	-	/		/			

$$\begin{pmatrix} \vdots \\ \vdots \end{pmatrix} : \begin{pmatrix} \vdots \\ \vdots \end{pmatrix} = \begin{pmatrix} \vdots \\ \vdots \end{pmatrix}$$

'	' -	'	'			
'	' -	'	'			
'	' -	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(,)

:

(,)

⋮

(,)

(-)

:

()

(,)

(-)

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		-	-	/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
-	-	/		/		()	
-	-	/		/			

$(\ , \) : (\ , \) \neq (\ , \)$

$(\)$

:

$(\)$

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

$(\)$

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		(\)	
		'	'		(\)	
		'	'		(\)	
		'	'			

2

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,) : (,) (,)

()

:

()

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
-	-	-	-	/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	-	-	/			
-	-	/		/			
/		/		/			
-	-	-	-	/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/		()	
/		/		/		()	
/		/		/		()	
-	-	/		/			

(,) : (,) (,)

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,) : (,) (,)
 ()
 :
 ()

'	'	'	'			
'	'	'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

$(\ , \) :$ $(\ ,)$ $(\ ,)$

$(\)$

:

$(\)$

'	'	'	'			
'	' -	'	'			
'	' -	'	'			

$(\)$

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

$(\dots) : (\dots) \approx (\dots)$

(\dots)

:

(\dots)

'	'	'	'			
'	' -	'	'			
'	'	'	'			

(\dots)

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(\dots)

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		-	-		
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/		()	
-	-	/		/		()	
-	-	/		/		()	
/		/		/			

(,)

(,) : =

(,) =

()

:

()

'	' -	'	'			
'	' -	'	'			
'	' -	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(-) () (,)

. (,)

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
-	-	/		/		()	
/		/		/			

(,) : (,) (,)

()

:

()

/	-	/	/			
		/	/			
/	/	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
-	-	/		/		()	
-	-	/		/		()	
/		/		/			

$$\left(\begin{array}{c} \cdot \\ \cdot \\ \cdot \end{array} \right) : \quad \left(\begin{array}{c} \cdot \\ \cdot \\ \cdot \end{array} \right) \approx \quad \left(\begin{array}{c} \cdot \\ \cdot \\ \cdot \end{array} \right)$$

$$\left(\begin{array}{c} \cdot \\ \cdot \\ \cdot \end{array} \right)$$

:

$$\left(\begin{array}{c} \cdot \\ \cdot \\ \cdot \end{array} \right)$$

/	/ -	/	/			
		/	/			
/	/ -	/	/			
		/	/			
/	/ -	/	/			
		/	/			

$$\left(\begin{array}{c} \cdot \\ \cdot \\ \cdot \end{array} \right)$$

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

$$\left(\begin{array}{c} \cdot \\ \cdot \\ \cdot \end{array} \right)$$

()

-	-	/		/		
-	-	/		/		
-	-					
-	-	/		/		
-	-	-	-	/		
-	-					
-	-	/		/		
-	-	/		/		
-	-					
-	-	/		/		
-	-	/		/		
-	-	/		/		
-	-	/		/		
-	-	/		/		
-	-					
-	-	-	-	/		
-	-	/		/		
-	-	/		/		
-	-	/		/		
-	-	/		/		
-	-					
-	-	/		/		
-	-	/		/		
-	-	/		/		
-	-					
-	-	-	-	/		
-	-	/		/		()
-	-	/		/		()
-	-	/		/		()
-	-	/		/		
-	-	/		/		

(,) :

=

(,)

()

:

()

/	/	/	/			
		/	/			
-	-	/	/			
		-	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
		/	/			
		-	/			
/	/	-	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

-	-	/		-	-		
/		/		/			
/		/		/			
-	-	-	-	/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	-	-		
/		/		/		()	
-	-	/		-	-	()	
-	-	/		/		()	
-	-	/		/			

(,) : = (,) = (,)

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	-	'			
		'	'			
'	'	'	'			
		'	'			
'	'	-	-	-		
		'	'			
'	'	'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
'	'	'	'		()	
		'	'			

(,)

:

(,)

:

()

-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		-	-		
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		-	-	()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			

(,) : (,) (,)

()
:

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

. (,)

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/		()	
-	-	/		/		()	
/		/		/		()	
-	-	/		/			

(,) : (,) (,)

()

:

()

'	'	'	'			
'	'	'	'			
'	' -	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(,)

:

(,)

:

.

. (,)

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,)

(,) :

(,) =

()
:

()

/	-	/	/			
		/	/			
/	/	/	/			
		/	/			
/	-	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

. (,)

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		-	-	/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	-	-	/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
-	-	/		/			

(,) : (,) (,)

()

:

()

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

= =

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,) : (,) (,)

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		-	-		
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	-	-		
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			
-	-						

(,)

(,) :

()

:

()

'	'	'	'			
		'	'			
-	-	'	'			
		-	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		-	'			
		'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			

:

(,)
(,)

(,)

8

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,) : (,) = (,)

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		-	-	/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
-	-	/		/			

$$\begin{pmatrix} \cdot \\ \cdot \end{pmatrix} : \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} = \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \\
 \begin{pmatrix} \cdot \\ \cdot \end{pmatrix} \\
 \vdots \\
 \begin{pmatrix} \cdot \\ \cdot \end{pmatrix}$$

(\quad)

/	/	/	/			
		/	/			
/	/	/	/			
		/	/			
/	/ -	/	/			
		/	/			

(\quad)

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

$\cdot (\quad)$

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	-	-	/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		-	-	/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,)

(,):

(,) =

()

:

()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			

(,) : (,) (,)

()

:

()

/	-	/	/			
		/	/			
/	-	/	/			
		/	/			
/	-	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
/	/	/	/			
		/	/			
		/	/			
		/	/			

:

()

		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		

:

/

()

/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/	-	/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/		/		/		
/	-	/		/		()
/		/		/		()
/	-	/		/		()
/		/		/		()
/		/		/		
/		/		/		
/		/		/		
/		/		/		

(,)

(,) :

(,)

()
:

()

/	-	/	/			
		/	/			
/	-	/	/			
		/	/			
/	-	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

(,)

()

-	-	-	-	/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-	-	-	/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	-	-	/			
-	-	/		-	-		
-	-						
-	-	-	-	/			
-	-	/		/		()	
-	-	-	-	/		()	
-	-	-	-	/		()	
-	-	/		/			
-	-						

(,):

(,)

()
:

()

'	' -	'	'			
		'	'			
-	-	'	'			
		-	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

.(,)

()

-	-	-	-	/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	-	-		
-	-	/		/		()	
-	-	-	-	/		()	
-	-	/		/		()	
-	-	/		/			
-	-						

(,) :

=

(,)

()

:

()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	-	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

:

:

.

()

-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		-	-		
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/		()	
/		/		/			

(,) : (,) (,)

()
:

()

'	'	'	'			
'	' -	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(,)
(,)

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,)

(,): =

(,) =

()
:

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(,)
:

:

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/		()	
-	-	/		/		()	
/		/		/		()	
-	-	/		/			

(,) : (,) (,)

()

:

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
-	-	/		/		()	
/		/		/		()	
/		/		/			

(,)

(,):

(,)

()

:

()

/	-	/	/			
		/	/			
/	-	/	/			
		/	/			
/	-	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/		()	
-	-	-	-	/		()	
-	-	/		/		()	
-	-	/		/			
-	-						

(,) (,) :

=

()

:

()

'	'	'	'			
		'	'			
-	-	'	'			
		-	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
		-	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			
		'	'			

.

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	-	-		
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/		()	
-	-	-	-	/		()	
-	-	/		/		()	
-	-	/		/			
-	-						

(,):

(,)

()

:

()

/	/	/	/			
		/	/			
/	/	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
		/	/			
/	/	-	-	-		
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	

(,)

()

-	-	/		/		
/		/		/		
/		/		/		
/		/		/		
-	-	/		/		
/		/		/		
/		/		/		
/		/		/		
-	-	/		/		
-	-	/		/		
/		/		/		
/		/		/		
/		/		/		
-	-	/		/		
/		/		/		
/		/		/		
/		/		/		
-	-	/		/		
/		/		/		
-	-	/		/		
/		/		/		
/		/		/		()
-	-	/		/		()
-	-	/		/		()
-	-	/		/		
/		/		/		

(,)

(,):

(,) =

()

:

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
'	'	'	'		()	
		'	'			

(,)

()

/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			

(,) : (,) (,)

()

:

()

/	/	/	/			
		/	/			
/	/	/	/			
		/	/			
/	/ -	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			
/		/		/			

(,) (,) : (,) ()

()

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			

. (,)

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			
-	-						

(,):

(,)

()

:

()

/	-	/	/			
		/	/			
/	/	/	/			
		/	/			
/	-	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/	()		
/		/		/	()		
/		/		/	()		
/		/		/			
/		/		/			

(,): (,) (,)

()

:

()

/	/	/	/			
		/	/			
/	/ -	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		-	-		
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	-	-		
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			
-	-						

(,) (,) :

()

:

()

'	'	'	'			
		'	'			
-	-	'	'			
		-	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		-	'			
		'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			
		'	'			

=

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,) : (,) (,)

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			
/		/		/			

(,) : (,) (,)

()

:

()

/	-	/	/			
		/	/			
/	-	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			
/		/		/			

(,)

(,):

(,) =

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
-	-	/		/		()	
-	-	/		/		()	
/		/		/			

(,) : (,) (,)

()

:

()

/	-	/	/			
		/	/			
/	/	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

// //

:

.

.

.

()

		/	/		
		/	/		
		/	/		
		/	/		

.

.

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/		()	
/		/		/		()	
-	-	/		/		()	
/		/		/			

(,)

(,):

(,) =

()

:

()

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		-	-	/			
/		-	-	/			
-	-	/		/			
/		/		/			
-	-	-	-	/			
-	-	/		/			
/		-	-	/			
-	-	-	-	/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/		()	
/		/		/			

(,)

(,): _≠

(,) =

()

:

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	' -	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	/		-	-		
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	-	-		
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	-	-	/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	-	-	/			
-	-						

(,)

(,):

()

:

()

/	/	/	/			
		/	/			
-	-	/	/			
		-	/			
-	-	/	/			
		-	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	-	/			
		-	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		-	/			
		/	/			
		/	/			
/	/	-	-	-		
		/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

/		/		/			
/		/		/			
/		/		/			
-	-	-	-	/			
/		/		/			
/		-	-	/			
/		-	-	/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	-	-	/			
/		-	-	/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
-	-	/		/			

(,) (,) : (,) = (,) =

() :

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

(,)

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	-	-	/			
-	-						

(,) (,) :

()

:

()

/	/ -	/	/			
		/	/			
/	/ -	/	/			
		/	/			
/	/ -	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

≈ ≈

()

-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	-	-	/		()	
-	-	-	-	/		()	
-	-	/		/		()	
-	-	-	-	/			
-	-						

(,)

(,):

()

:

()

/	/	/	/			
		/	/			
-	-	/	/			
		-	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
		/	/			
		-	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/		()	
-	-	-	-	/		()	
-	-	/		/		()	
-	-	-	-	/			
-	-						

(,)

(,):

()

:

()

/	/	/	/			
		/	/			
/	/	/	/			
		/	/			
/	/ -	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

/		/		/			
/		/		/			
/		/		/			
-	-	-	-	/			
/		/		/			
/		/		/			
/		/		/			
-	-	-	-	/			
-	-	-	-	/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		-	-	/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	-	-	/			

(,) : = (,) = (,)

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	-	-	/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	-	-	/			
/		/		/			
/		-	-	/			
/		/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			

(,)

(,) :

≈ (,) ≈

()

:

()

'	'	'	'			
'	' -	'	'			
'	'	'	'			
'	'	'	'			

()

'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'			
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'		()	
'	'	'	'			

()

-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/			
-	-	-	-	/		()	
-	-	-	-	/		()	
-	-	-	-	/		()	
-	-	-	-	/			
-	-	-	-	/			

(,)

(,) :

()

:

()

/	/	/	/			
		/	/			
-	-	/	/			
		-	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		-	/			
		/	/			
		/	/			
/	/	-	-	-		
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		-	-	/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
-	-	/		/			
/		/		/		()	
/		/		/		()	
-	-	/		/		()	
-	-	/		/			

(,) : = (,) = (,)
()
:

/	-	/	/			
		/	/			
/	/	/	/			
		/	/			
/	-	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/		()	
		/	/		()	
		/	/		()	
		/	/			
		/	/			

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/		()	
-	-	-	-	/		()	
-	-	/		/		()	
-	-	-	-	/			
-	-						

=

(,) (,):

()

⋮
()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

.

(,)

()

-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/		()	
-	-	/		/		()	
-	-	/		/		()	
/		/		/			

(,)

(,):

(,)

()

:

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	

(,)

()

-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	/		/			
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		-	-		
-	-	/		/			
-	-	-	-	/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-						
-	-	-	-	/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
-	-						
-	-	-	-	/			
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/		()	
-	-	/		/			
-	-						

(,) (,):

()

:

()

/	/	/	/			
		/	/			
-	-	/	/			
		-	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
		/	/			
		-	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

-	-	/		-	-		
/		/		/			
/		/		/			
-	-	-	-	/			
-	-	/		/			
/		/		/			
/		/		-	-		
-	-	/		/			
-	-	/		/			
-	-	/		/			
-	-	-	-	/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		-	-		
/		/		/			
-	-	/		/			
-	-	-	-	-	-		
/		/		/			
-	-	/		/			
-	-	/		/			
-	-	/		/			
/		/		/		()	
-	-	/		-	-	()	
-	-	/		/		()	
-	-	/		/			

(,) : (,) (,)

()
:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,)

(,) :

(,) =

()

:

()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,) : (,) = (,)

()
:

()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			

(,) :

(,) =

(,

()

:

()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

≈

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	-	-	/			
/		/		/			
/		/		/			
-	-	-	-	/			
/		/		/			
/		/		/			
-	-	/		/			
/		/		/			
-	-	/		/			
/		/		/			
/		/		/			
-	-	/		/			
/		-	-	/			
/		/		/		()	
-	-	/		/		()	
/		/		/		()	
-	-	/		/			

(,)

(,) :

(,) =

()
:

()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

(,)

:

(,)

:

(,)

()

		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
≈		/	+ /		
		/	/		
≈		/	/		
		/	/		.
≈		/	/		
≈		/	/		
≈		/	/		
		/	/		.

)

≈

(,)

(,)

(

()

/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		/		-	-	()	
/		/		/		/		-	-		
								-	-		

(,) (,) :
 (,) (,)

()

:

()

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

.

()

/		/		/		/		-	-	
-	-	/		/		/		-	-	
								-	-	
/		/		/		/		-	-	
-	-	-	-	/		-	-	-	-	
								-	-	
/		/		/		/		-	-	
-	-	/		/		/		-	-	
								-	-	
-	-	/		/		/		-	-	
-	-	/		/		/		-	-	
-	-	/		/		-	-	-	-	
/		-	-	/		-	-	-	-	
								-	-	
-	-	-	-	/		-	-	-	-	
-	-	/		/		/		-	-	
-	-	/		/		/		-	-	
/		/		/		-	-	-	-	
								-	-	
-	-	-	-	/		-	-	-	-	()
-	-	/		/		-	-	-	-	()
-	-	-	-	/		-	-	-	-	()
/		/		/		/		-	-	
								-	-	

\approx (,) (,) : (,)
 (,)
 ()

:

()

'	'	'	'			
		'	'			
-	-	'	'			
		-	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			
		'	'			

()

-	-	/		/		-	-	-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
-	-	/		/		-	-	-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
/		-	-	/		/		-	-		
-	-	/		-	-	-	-	-	-		
-	-	/		-	-	-	-	-	-		
-	-	-	-	/		-	-	-	-		
/		-	-	/		-	-	-	-		
-	-	-	-	/		-	-	-	-		
/		-	-	/		/		-	-		
/		/		/		-	-	-	-		
-	-	/		/		-	-	-	-		
								-	-		
-	-	/		/		-	-	-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
-	-	-	-	-	-	-	-	-	-		
/		/		/		/		-	-		
-	-	/		/		-	-	-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
-	-	-	-	/		/		-	-		
/		/		/		-	-	-	-	()	
/		/		-	-	-	-	-	-	()	
-	-	/		/		-	-	-	-	()	
-	-	/		/		-	-	-	-		
/		/		/		/		-	-		

(\quad, \quad) (\quad, \quad) (\quad, \quad) :

(\quad, \quad) (\quad, \quad)

(\quad)

:

(\quad)

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

(\quad)

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			(\quad)
		'	'			(\quad)
		'	'			(\quad)
		'	'			

()

/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
-	-	/		-	-	-	-	-	-		
-	-	/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
-	-	/		-	-	-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
-	-	/		-	-	-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-		
								-	-		

(,) (,) :
 (,) (,)

()

:

()

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

.

()

/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		/		-	-	()	
/		/		/		-	-	-	-		
								-	-		

(,) (,) :
 (,) (,)

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

()

/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-		
								-	-		

$\frac{1}{2} \begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix} \begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix} : \begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}$

$\begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}$

:

$\begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}$

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

$\begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}$

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		$\begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}$	
		'	'		$\begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}$	
		'	'		$\begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}$	
		'	'			

$\begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}$

:

$\begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}$

()

/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
-	-	/		/		-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
				/				-	-		
/		-	-	/		/		-	-		
/		/		/		-	-	-	-		
/		-	-	/		-	-	-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
-	-	/		/		-	-	-	-		
/		-	-	/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		-	-	/		-	-	-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-		
								-	-		

()

/		/		-	-	-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		/		-	-		
								-	-		

(,) (,) :
 (,) (,)

()

:

()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	

(,)

()

/		/		-	-	-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
-	-	-	-	/		-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
/		-	-	/		/		-	-		
								-	-		
-	-	-	-	/		/		-	-		
/		/		-	-	-	-	-	-		
/		/		-	-	-	-	-	-		
-	-	/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
-	-	-	-	/		-	-	-	-		
-	-	-	-	-	-	/		-	-		
/		/		/		-	-	-	-		
/		/		-	-	-	-	-	-		
								-	-		
-	-	-	-	-	-	-	-	-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-	()	
-	-	/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-		
								-	-		

\cdot
 \cdot (,) (,) : (,)
 \cdot (,) (,)

()

:

()

'	'	'	'			
		'	'			
-	-	'	'			
		-	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		-	'			
			'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			

(,)

:

(,)

(,)

()

/		/		-	-	-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-		
								-	-		

()

/		/		-	-	-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
/		/		/		/		-	-		
/		/		-	-	/		-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-		
								-	-		

=

()

/		/		-	-	-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		-	-	/		-	-	-	-		
								-	-		
/		/		/		-	-	-	-		
/		/		/		/		-	-		
								-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-		
/		/		-	-	-	-	-	-		
/		/		/		-	-	-	-		
/		/		/		-	-	-	-		
								-	-		
/		-	-	/		-	-	-	-		
/		/		/		/		-	-		
/		/		/		-	-	-	-	()	
/		/		-	-	-	-	-	-	()	
/		/		/		-	-	-	-	()	
/		/		/		-	-	-	-		
								-	-		

()

()

		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		
		/	/		

()

()

()

/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		-	-		
/		/					

(,) (,) :

(,) (,)

()

:

()

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

.(,)

()

-	-	/		-	-		
-	-	/		/			
-	-						
-	-	/		/			
-	-	/		-	-		
-	-						
-	-	/		-	-		
-	-	/		/			
-	-						
-	-	/		-	-		
-	-	/		/			
-	-	/		-	-		
-	-	/		-	-		
-	-						
-	-	/		-	-		
-	-	/		-	-		
-	-	/		/			
-	-	/		-	-		
-	-	/		-	-		
-	-						
-	-	/		-	-		
-	-	/		/		()	
-	-	/		-	-	()	
-	-	/		-	-	()	
-	-	/		-	-		
-	-						

(,) :

(,)

:

()

()

/	/	/	/			
		/	/			
-	-	/	/			
		-	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
		/	/			
		/	/			
/	/	-	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

/		/		-	-		
/		/		/			
/		/		/			
-	-	/		-	-		
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		/			
-	-	/		-	-		
-	-	/		-	-		
/		/		-	-		
-	-	/		-	-		
/		/		-	-		
/		/		/			
-	-	/		-	-		
-	-	/		-	-		
/		/		-	-	()	
/		-	-	-	-	()	
-	-	/		-	-	()	
-	-	/		-	-		

(,) (,) :

()

∴
()

'	'	'	'			
		'	'			
'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		'	'			
		'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		-	-		
/		/		-	-		
				-	-		
/		/		-	-		
/		/		-	-		
				-	-		
/		/		-	-		
/		/		-	-		
				-	-		
/		/		-	-		
-	-	/		-	-		
/		/		-	-		
/		/		-	-		
/		/		-	-		
				-	-		
-	-	/		-	-		
/		/		-	-		
/		/		-	-		
/		/		-	-		
/		/		-	-		
/		/		-	-		
/		/		-	-		
/		/		-	-		
				-	-		
/		/		-	-		
/		/		-	-	()	
-	-	/		-	-	()	
/		/		-	-	()	
/		/		-	-		
				-	-		

(,) :

(,)

:

()

()

/	-	/	/			
		/	/			
/	-	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			
/		/		/			

(,) (,) :

(,) (,)

()

:

()

/	-	/	/			
		/	/			
/	/	/	/			
		/	/			
/	-	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	

(,)

()

/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/		()	
/		/		/		()	
/		/		/		()	
/		/		/			
/		/		/			

(,) (,) :

(,) (,)

() :

()

/	/	/	/			
		/	/			
/	/ -	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

(,)

()

/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		-	-		
-	-	/		-	-		
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		-	-		
/		/		-	-		
/		/		/		()	
/		/		-	-	()	
/		/		/		()	
/		/		-	-		

(,) (,) :

(,) (,)

()

:

()

'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/		()	
/		/		-	-	()	
/		/		/		()	
/		/		/			
/		/		/			

(,) (,) :

(,) (,)

()

:

()

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

()

/		/		/			
/		/		/			
/		/		/			
-	-	/		-	-		
/		/		/			
-	-	/		-	-		
-	-	/		-	-		
/		-	-	-	-		
/		/		-	-		
-	-	/		/			
-	-	/		-	-		
-	-	/		-	-		
-	-	/		-	-		
-	-	/		-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		/			
-	-	-	-	-	-		
/		/		-	-	()	
/		/		/		()	
-	-	/		/		()	
/		/		-	-		

.

(,) (,) :

(,) (,)

()

:

()

'	'	'	'			
		'	'			
-	-	'	'			
		-	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	-	'			
		-	'			
		'	'			
		'	'			
'	'	-	-	-		
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	
		'	'			

.

(,)

(,)

()

/		/		/			
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		-	-	()	
/		/		-	-	()	
/		/		/		()	
/		/		/			

(,) (,) :

(,) (,)

()

:

()

/	/	/	/			
		/	/			
/	/ -	/	/			
		/	/			
/	/	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		-	-	-	-		
/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		-	-		
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		-	-	()	
/		/		-	-	()	
/		/		-	-	()	
/		/		/			
/		/		/			

(,) (,) :

(,) (,)

()

:

()

'	'	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	'	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	

(,)

()

/		/		/			
/		/		/			
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		/			
/		/		/			
/		/		-	-		
/		/		-	-	()	
/		/		-	-	()	
/		/		/		()	
/		/		/			

(,) (,) :

(,) (,)

() :

()

/	/ -	/	/			
		/	/			
/	/ -	/	/			
		/	/			
/	/ -	/	/			
		/	/			

()

/	/	/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/			
		/	/			
		/	/			
/	/	/	/			
		/	/		()	
		/	/		()	
		/	/		()	
		/	/			

()

/		/		/			
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		-	-		
/		/		-	-		
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		-	-		
/		/		/			
/		/		-	-		
/		/		/			
/		/		-	-	()	
/		/		-	-	()	
/		/		-	-	()	
/		/		/			

.

(,) (,) :

(,) (,)

()

:

()

'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			
'	' -	'	'			
		'	'			

()

'	'	'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'			
		'	'			
		'	'			
'	'	'	'			
		'	'		()	
		'	'		()	
		'	'		()	

.

(,)

.

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

(VHS)

.

.

.

=

(TCP/IP)

(IP)

(IP)

(IP)

:

. (sa)

.

. (IP)

.

:

.

:

.

.

:

:

.

.

:

(

)

.

:

:

.

:

.

(pdb) (pdf) (chm) (lit):

(java) (exe)

:

(pdb) (pdf) (lit)

(exe) (chm)

(java)

(pdf)

(ico) (bmp) (gif) (jpeg):

(jpeg)

(gif)

(cda)

:

:

(Real Audio)
(wma)

(mp3)
(amr) (ram) (rm)
(wav)

(mp3)

(Real Audio)

(wma)

(mp3)

(cda)

(Real Video)

(wmv)

(ram) (rm) :

(mpeg)

(avi)

(svcd)

(vcd)

(3gp)

(mp4)

(dvd)

()

. = ()

:

.

=

. = =

:

.

:

.

:

. =

=

·
·

:

·

=

:

(IRC)

:

·

·

:

·

=

.

.

=

.

=

=

.

.

.

.

.

.

=

=

=

.

()

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

.

≡

≡

.

•
•

•
•

•
•

•

•

•

•

•

•
•

•

•

•

(pdf)

(lit)

. (pdb)

(mp3)
= (Real Audio)
(mp3)

()

.

.

.

=

.

=

.

.

.

=

.

(CD)
(VHS)

()

=

=

=

.

.

.

.

.

=

=

.

.

.

.

=

:

﴿ رَبَّنَا وَأَبْعَثْ فِيهِمْ رَسُولًا مِنْهُمْ ﴾

﴿ فِيهِمَا إِيَّامٌ كَبِيرٌ وَمَنْفَعٌ لِلنَّاسِ وَإِيَّامُهُمَا أَكْبَرُ مِنْ نَفْعِهِمَا ۗ ﴾

﴿ رَبَّنَا لَا تَوَاخِذْنَا إِنْ نَسِينَا أَوْ أَخْطَأْنَا ۗ ﴾

﴿ يَا أَيُّهَا الَّذِينَ ءَامَنُوا اتَّقُوا اللَّهَ حَقَّ تَقَاتِهِ ۖ وَلَا تَمُوتُنَّ إِلَّا وَأَنْتُمْ

مُسْلِمُونَ ۗ ﴾

﴿ يَا أَيُّهَا النَّاسُ اتَّقُوا رَبَّكُمُ الَّذِي خَلَقَكُمْ مِنْ نَفْسٍ وَاحِدَةٍ وَخَلَقَ مِنْهَا

زَوْجَهَا وَبَثَّ مِنْهُمَا رِجَالًا كَثِيرًا وَنِسَاءً ۗ وَاتَّقُوا اللَّهَ الَّذِي تَسَاءَلُونَ بِهِ

وَالْأَرْحَامَ ۗ إِنَّ اللَّهَ كَانَ عَلَيْكُمْ رَقِيبًا ۗ ﴾

﴿ يَا أَيُّهَا الَّذِينَ ءَامَنُوا اتَّقُوا اللَّهَ وَأَتَّبِعُوا إِلَيْهِ الْوَسِيلَةَ وَجَاهِدُوا فِي

سَبِيلِهِ لَعَلَّكُمْ تُفْلِحُونَ ۗ ﴾

﴿ أُولَئِكَ الَّذِينَ هَدَى اللَّهُ فَيُهْدِيهِمْ أَقْتَدَهُ ۗ ﴾

﴿ وَمَا كَانَ الْمُؤْمِنُونَ لِيَنْفِرُوا كَافَّةً ۚ فَلَوْلَا نَفَرَ مِنْ كُلِّ فِرْقَةٍ مِنْهُمْ

طَائِفَةٌ لِيَتَفَقَّهُوا فِي الدِّينِ وَلِيُنذِرُوا قَوْمَهُمْ إِذَا رَجَعُوا إِلَيْهِمْ لَعَلَّهُمْ

يَحْذَرُونَ ۗ ﴾

﴿ وَإِذْ تَأَذَّنَ رَبُّكُمْ لَئِن شَكَرْتُمْ لَأَزِيدَنَّكُمْ ۖ وَلَئِن كَفَرْتُمْ إِنَّ عَذَابِي

لَشَدِيدٌ ۗ ﴾

﴿ يَبْحَثِي خُدَّ الْكِتَابِ بِقُوَّةٍ ۗ ﴾

﴿ وَجَعَلَنِي مُبَارَكًا أَيْنَ مَا كُنْتُ ۗ ﴾

﴿ الَّذِينَ إِنْ مَكَانَهُمْ فِي الْأَرْضِ أَقَامُوا الصَّلَاةَ وَءَاتَوْا الزَّكَاةَ وَأَمَرُوا

بِالْمَعْرُوفِ وَنَهَوْا عَنِ الْمُنْكَرِ ۗ وَاللَّهُ عَنِيبُ الْأُمُورِ ۗ ﴾

﴿ إِنَّ الَّذِينَ يُحِبُّونَ أَنْ تَشِيعَ الْفَاحِشَةُ فِي الدِّينِ ءَامَنُوا لَهُمْ عَذَابٌ

أَلِيمٌ فِي الدُّنْيَا وَالْآخِرَةِ ۗ وَاللَّهُ يَعْلَمُ وَأَنْتُمْ لَا تَعْلَمُونَ ۗ ﴾

﴿ وَأَنْذِرْ عَشِيرَتَكَ الْأَقْرَبِينَ ۗ ﴾

﴿ أَذْهَبَ بِكِتَابِي هَذَا فَأَلْفِقَهُ إِلَيْهِمْ ثُمَّ تَوَلَّى عَنْهُمْ فَانظُرْ مَاذَا يَرْجِعُونَ ۗ ﴾

﴿ وَلَيْسَ عَلَيْكُمْ جُنَاحٌ فِيمَا أَخْطَأْتُمْ بِهِ ۗ ﴾

﴿ لَقَدْ كَانَ لَكُمْ فِي رَسُولِ اللَّهِ أُسْوَةٌ حَسَنَةٌ لِمَنْ كَانَ يَرْجُوا اللَّهَ وَالْيَوْمَ

الْآخِرَ وَذَكَرَ اللَّهَ كَثِيرًا ۗ ﴾

﴿ تُمْ أَوْرَثْنَا الْكِتَابَ الَّذِينَ أَصْطَفَيْنَا مِنْ عِبَادِنَا فَمِنْهُمْ ظَالِمٌ لِنَفْسِهِ ۖ
وَمِنْهُمْ مُقْتَصِدٌ وَمِنْهُمْ سَابِقٌ بِالْخَيْرَاتِ بإِذْنِ اللَّهِ ذَلِكَ هُوَ الْفَضْلُ
الْكَبِيرُ ﴾

﴿ وَمَنْ أَحْسَنُ قَوْلًا مِمَّنْ دَعَا إِلَى اللَّهِ وَعَمِلَ صَالِحًا وَقَالَ إِنَّنِي مِنَ
الْمُسْلِمِينَ ﴾

﴿ هُوَ الَّذِي بَعَثَ فِي الْأُمِّيِّينَ رَسُولًا مِنْهُمْ يَتْلُوا عَلَيْهِمْ آيَاتِهِ ۖ وَيُزَكِّيهِمْ
وَيُعَلِّمُهُمُ الْكِتَابَ وَالْحِكْمَةَ وَإِنْ كَانُوا مِنْ قَبْلُ لَفِي ضَلَالٍ مُبِينٍ ﴾
﴿ هُوَ الَّذِي خَلَقَكُمْ مِنْكُمْ كَافِرٌ وَمِنْكُمْ مُؤْمِنٌ ﴾

﴿ وَمَنْ يَتَوَكَّلْ عَلَى اللَّهِ فَهُوَ حَسْبُهُ ﴾

﴿ وَمَنْ يَتَّقِ اللَّهَ تَجْعَلْ لَهُ مَخْرَجًا ﴾

﴿ وَمَنْ يَتَّقِ اللَّهَ تَجْعَلْ لَهُ مِنْ أَمْرِهِ يُسْرًا ﴾

﴿ وَإِنَّكَ لَعَلَى خُلُقٍ عَظِيمٍ ﴾

﴿ وَأَنَّهُ كَانَ رِجَالٌ مِنَ الْإِنْسِ يَعُوذُونَ بِرِجَالٍ مِنَ الْجِنِّ فَزَادُوهُمْ
رَهَقًا ﴾

﴿ وَإِذَا الصُّحُفُ نُشِرتْ ﴾

:

()
)

=

()
)
)
)

(
(

=

()

(

()

()

()

()

()

()

=

()
)

=

:

=

()

()

:

(

:)

()

()

()

()

()

():

()

()

()

()

()

()

()

()

()

()

()

()

••

•

•

•

•

•

•

•

•

•

•

•

•

•

•

• (

•

•

//

•

•

•

•

•

(

•

)

•

•

•

•

•

(/) /

(SPSS)

()

()

()
()
()

/

()

()

()

()

()

()

()

(Accessing The Internet By E-mail Gerald E. Boyd Version 10.2-April 2002)

:

.

.

.

.

.

.

.

.

:

(.. ..)

:

(ftp://ftp.cc.umanitoba.ca/pub/NOTICE)	. 1
(ftp://ftp.mcgill.ca)	. 2
(ftp://ftp.mat.uc.pt)	. 3
(ftp://ftp.simtel.net)	. 4
(ftp://garbo.uwasa.fi)	. 5
(ftp://rtfm.mit.edu)	. 6
(ftp://cs.utk.edu/README.FTP)	. 7
(ftp://ftp.cc.umanitoba.ca/NOTICE)	. 8
(ftp://ftp.ccs.queensu.ca/README)	. 9

:

(http://216.221.185.71)	.
(http://abobadr.net)	.٢
(http://alislam.org)	.
(http://ara.amnesty.org)	.٤
(http://archive.bibalex.org)	.٥
(http://bci.org)	.
(http://cci.gospelcom.net/ccihome)	.٧
(http://ccmag.gospelcom.net)	.
(http://chat.arabchat.org/arabic/hist.htm)	.٩
(http://community.gospelcom.net)	.١٠
(http://download.microsoft.com)	.١١
(http://forum.undernet.org)	.١٢
(http://ftpfind.voila.fr)	.١٣
(http://ied.gospelcom.net/index.php)	.١٤
(http://ironprivate.tripod.com/ftp.htm)	.١٥
(http://islam.gov.kw)	.
(http://kids.al-islam.com)	.
(http://listproc.sourceforge.net)	.١٨
(http://manybooks.net)	.١٩
(http://mobilebook.upals.com)	.٢٠
(http://montada.com)	.٢١
(http://netsplit.de)	.
(http://nouf.org/spirit.php)	.٢٣
(http://reliz.ru)	.٢٤
(http://store.alislam.org)	.
(http://tile.net)	.
(http://webstorage.btinnet.net)	.٢٧
(http://zizooo.ws)	.٢٨
(http://3afooor.com)	.٢٩
(http://almisk.net)	.
(http://archie.emnet.co.uk)	.٣١
(http://bgc.gospelcom.net)	.
(http://briefcase.yahoo.com)	.٣٣
(http://chat.wearab.net/arabic)	.٣٤
(http://computers.arabcomputing.com)	.٣٥
(http://fkrh.com)	.٣٦
(http://ftpsearch.lv)	.٣٧
(http://ftpsearch.tomsk.net)	.٣٨
(http://groups.google.com)	.٣٩
(http://groups.yahoo.com)	.
(http://ifc.gospelcom.net)	.٤١
(http://launch.yahoo.com/launchcast)	.٤٢

(http://lists.rootsweb.com)	.
(http://mclean.faithweb.com)	. ٤٤
(http://medinacenter.org)	.
(http://messages.yahoo.com)	. ٤٦
(http://news.bbc.co.uk)	. ٤٧
(http://quran.muslim-web.com)	.
(http://saaid.net)	.
(http://slamslam.jeeran.com)	. ٥٠
(http://tasjeel.com)	. ٥١
(http://tucows.com)	.
(www.barna.org)	. ٥٣
(www.freehomepages.com)	. ٥٤
(www.ada99.com)	. ٥٥
(www.adobe.com)	. ٥٦
(www.afkarmedia.com)	. ٥٧
(www.ag.arizona.edu)	. ٥٨
(www.ahmadiyya.org)	. ٥٩
(www.ahram.org.eg)	. ٦٠
(www.aicp.org)	.
(www.akdn.org)	.
(www.alasr.ws)	. ٦٣
(www.al-eman.com)	. ٦٤
(www.al-fatiha.net)	. ٦٥
(www.alfikra.org)	.
(www.alharamain.org)	.
(www.al-islam.com/arb)	. ٦٨
(www.al-jazirah.com.sa)	. ٦٩
(www.alminbar.net)	.
(www.almithnab.net)	. ٧١
(www.almosamem.com)	. ٧٢
(www.almuhaffiz.net)	. ٧٣
(www.alsayra.com)	. ٧٤
(www.al-sunnah.com)	. ٧٥
(www.althkir.net)	. ٧٦
(www.alwatan.com.sa)	. ٧٧
(www.amd.com)	. ٧٨
(www.apnic.net)	. ٧٩
(www.arabization.org.ma)	. ٨٠
(www.arabmirc.net)	. ٨١
(www.arab-ou.com)	.
(www.arabsgate.com)	. ٨٣
(www.arabteam2000-forum.com)	. ٨٤
(www.arima.com.tw)	. ٨٥

(www.arin.net)	. ٨٦
(www.asu.edu)	. ٨٧
(www.aw-soft.com)	. ٨٨
(www.benq.com)	. ٨٩
(www.binbaz.org.sa)	.
(www.bluetooth.org)	. ٩١
(www.buddhistsummit.iirt.net)	.
(www.cb4a.com)	. ٩٣
(www.cerience.com)	. ٩٤
(www.certified.com)	. ٩٥
(www.christiancomputergames.net)	. ٩٦
(www.cjp.net)	. ٩٧
(www.colorado.edu)	. ٩٨
(www.condaian.com)	. ٩٩
(www.copticpopo.org)	.
(www.copts.com)	.
(www.corel.com)	. ١٠٢
(www.crosssearch.com)	.
(www.cursoroftheday.com)	. ١٠٤
(www.cwnews.com)	.
(www.cyberdudez.com)	. ١٠٦
(www.dasin.net)	.
(www.dawah.ws)	. ١٠٨
(www.deentimes.com)	. ١٠٩
(www.dejanews.com)	. ١١٠
(www.dnsresearch.com)	. ١١١
(www.dorar.net)	. ١١٢
(www.download.com)	.
(www.duke.edu)	. ١١٤
(www.dweesh.com)	. ١١٥
(www.e-book.com.au)	. ١١٦
(www.ebookedit.com)	. ١١٧
(www.ecs.csus.edu)	. ١١٨
(www.efnet.org)	. ١١٩
(www.egroups.com)	.
(www.emanway.com)	. ١٢١
(www.emnet.co.uk)	. ١٢٢
(www.eslah.org)	.
(www.e-vangelism.com)	.
(www.expita.com)	. ١٢٥
(www.f2g.net)	. ١٢٦
(www.f2s.com)	. ١٢٧
(www.faaiin.nl)	. ١٢٨

(www.fasieh.tk)	. ۱۲۹
(www.ferastoon.com)	.
(www.filesearching.com)	. ۱۳۱
(www.fiseb.com)	.
(www.flashdash.net)	.
(www.fossil.com)	. ۱۳۴
(www.foto-master.com)	. ۱۳۵
(www.freewebspace.net)	. ۱۳۶
(www.ftpsearch.lt)	. ۱۳۷
(www.gamemaker.nl)	. ۱۳۸
(www.geocities.com)	. ۱۳۹
(www.ghazali.org)	.
(www.gospelcom.net/awm)	. ۱۴۱
(www.greatcircle.com/majordomo)	. ۱۴۲
(www.hdrmut.net)	.
(www.helpingisrael.com)	.
(www.hushmail.com)	. ۱۴۵
(www.iananet.org)	. ۱۴۶
(www.ibn.net)	. ۱۴۷
(www.ibnarabisociety.org)	.
(www.ibnothaimen.com)	. ۱۴۹
(www.ibs.org)	.
(www.iconoftheday.com)	. ۱۵۱
(www.iis.ac.uk)	.
(www.imanway.com)	.
(www.intel.com)	. ۱۵۴
(www.internet2.edu)	.
(www.invisionboard.com)	. ۱۵۶
(www.iraqcp.org)	.
(www.isfa.com)	. ۱۵۸
(www.iSilo.com)	. ۱۵۹
(www.islam.gov.qa)	.
(www.islamicfinder.org)	.
(www.islamicmobile.net)	. ۱۶۲
(www.islamicsupport.net)	. ۱۶۳
(www.islamtoday.com)	. ۱۶۴
(www.islamtoday.net)	. ۱۶۵
(www.islamweb.net)	.
(www.isn1.net)	.
(www.iso.ch)	. ۱۶۸
(www.itp.net/arabic)	. ۱۶۹
(www.izbacf.org)	.
(www.jalajil.com.sa)	. ۱۷۱

(www.jewstoislam.com)	. ١٧٢
(www.kahane.org)	. ١٧٣
(www.kazaa.com)	. ١٧٤
(www.kevinmitnick.com)	. ١٧٥
(www.kharj.net)	. ١٧٦
(www.khayma.com)	. ١٧٧
(www.kidsworld.org)	. ١٧٨
(www.latif.com)	.
(www.listbot.com)	. ١٨٠
(www.listserv.net)	. ١٨١
(www.listservice.com)	. ١٨٢
(www.listtool.com)	.
(www.live365.com)	. ١٨٤
(www.lizardtech.com)	. ١٨٥
(www.lsoft.com)	. ١٨٦
(www.mail-list.com)	. ١٨٧
(www.maknoon.com)	. ١٨٨
(www.microsoft.com/reader)	. ١٨٩
(www.milomail.com)	. ١٩٠
(www.minshawi.com)	. ١٩١
(www.mobinote.com)	. ١٩٢
(www.moslem.org)	.
(www.motorola.com)	. ١٩٤
(www.mpeg.org)	. ١٩٥
(www.muslim.org)	. ١٩٦
(www.muslimphilosophy.com)	.
(www.muslimonline.com)	.
(www.muslm.net)	. ١٩٩
(www.mutazela.cjb.net)	.
(www.naqi.com.sa)	. ٢٠١
(www.naqshbandi.org)	. ٢٠٢
(www.neelwafurat.com)	. ٢٠٣
(www.net3.pl)	. ٢٠٤
(www.n-gage.com)	. ٢٠٥
(www.ohsu.edu)	. ٢٠٦
(www.omelketab.net)	.
(www.onelist.com)	.
(www.overdrive.com)	. ٢٠٩
(www.palmquran.com)	. ٢١٠
(www.pconhand.com)	. ٢١١
(www.photoshopclub.net)	. ٢١٢
(www.phpbb.com)	. ٢١٣
(www.pitt.edu)	. ٢١٤

(www.pocketislam.com)	. ٢١٥
(www.portland.co.uk)	. ٢١٦
(www.privacy.com)	. ٢١٧
(www.ps-revolution.com/forum)	. ٢١٨
(www.qaradawi.net)	.
(www.quran.org)	.
(www.radio-locator.com)	. ٢٢١
(www.real.com)	. ٢٢٢
(www.reciter.org)	.
(www.ripe.net)	. ٢٢٤
(www.salafi.net)	.
(www.saranam.com)	.
(www.saso.org.sa)	. ٢٢٧
(www.saudinic.net.sa)	.
(www.saudiradio.net)	. ٢٢٩
(www.scour.com)	. ٢٣٠
(www.screensaveroftheday.com)	. ٢٣١
(www.sendbad.net)	. ٢٣٢
(www.shiasearch.net)	.
(www.shoutcast.com)	. ٢٣٤
(www.si87.com)	. ٢٣٥
(www.siemens.com)	. ٢٣٦
(www.skinsoftheday.com)	. ٢٣٧
(www.smartgroups.com)	. ٢٣٨
(www.smartnetwireless.com)	. ٢٣٩
(www.sonyericsson.com)	. ٢٤٠
(www.southbendtribune.com)	. ٢٤١
(www.suhuf.net.sa)	. ٢٤٢
(www.sultan.org)	.
(www.sun.com)	. ٢٤٤
(www.swalif.net)	. ٢٤٥
(www.swift3d.com)	. ٢٤٦
(www.swishzone.com)	. ٢٤٧
(www.symantec.com)	.
(www.technovelgy.com)	. ٢٤٩
(www.themeoftheday.com)	. ٢٥٠
(www.themes.tucows.com)	. ٢٥١
(www.toislam.net)	. ٢٥٢
(www.topica.com)	. ٢٥٣
(www.uiq.com)	. ٢٥٤
(www.unclaimed-domains.com)	. ٢٥٥
(www.underash.net)	. ٢٥٦
(www.uoregon.edu)	. ٢٥٧

(www.vatican.va)	.
(www.vbulletin.com)	. ٢٥٩
(www.vbulletinclub.com)	. ٢٦٠
(www.verisign.com)	. ٢٦١
(www.vt.edu)	. ٢٦٢
(www.wahy.com)	. ٢٦٣
(www.wallpapersoftheday.com)	. ٢٦٤
(www.webdeveloper.com)	. ٢٦٥
(www.webevangelism.com)	.
(www.webopedia.com)	. ٢٦٧
(www.xbox.com)	. ٢٦٨
(www.yahoo.com)	.
(www.yezidi.dk)	.
(www.yoft.net)	. ٢٧١
(www.yousendit.com)	. ٢٧٢
(www.zajildot.com)	. ٢٧٣
(www.zamzamworld.com)	.
(www.ziedan.com)	.
(www.zulfiedu.gov.sa)	. ٢٧٦
(web.presby.edu)	. ٢٧٧
(www.1394ta.org)	. ٢٧٨
(www.alamalcomputer.com)	. ٢٧٩
(www.alasad.net)	. ٢٨٠
(www.albayan.co.ae)	. ٢٨١
(www.al-eman.com)	. ٢٨٢
(www.al-eman.com/Quran/save/demo.htm)	.
(www.al-islam.com)	. ٢٨٤
(www.alislam4all.com)	. ٢٨٥
(www.almaktba.com)	. ٢٨٦
(www.almisk.net)	.
(www.almslm.com)	. ٢٨٨
(www.al-padeel.com)	.
(www.al-razi.net)	.
(www.alriyadh.com.sa)	. ٢٩١
(www.alwaraq.com)	. ٢٩٢
(www.amrkhaled.net)	. ٢٩٣
(www.apple.com)	. ٢٩٤
(www.arabteam2000-forum.com)	. ٢٩٥
(www.atbackup.com)	. ٢٩٦
(www.bahai.com)	. ٢٩٧
(www.bahai.net)	. ٢٩٨
(www.bahai.org)	. ٢٩٩
(www.bgea.org)	.

(www.billygraham.org)	. ٣٠١
(www.binbaz.org.sa)	. ٣٠٢
(www.c4arab.com)	. ٣٠٣
(www.calvin.edu)	. ٣٠٤
(www.ce4arab.com)	. ٣٠٥
(www.d3wa.org)	. ٣٠٦
(www.dal.net)	. ٣٠٧
(www.dawah.ws)	. ٣٠٨
(www.dawahtoday.net)	. ٣٠٩
(www.denana.com)	. ٣١٠
(www.druze.com)	.
(www.druzenet.org)	.
(www.efnet.org)	. ٣١٣
(www.egroups.com)	. ٣١٤
(www.emanway.com)	.
(www.evolt.org)	. ٣١٦
(www.fantookh.com)	. ٣١٧
(www.faqs.org)	. ٣١٨
(www.filesanywhere.com)	. ٣١٩
(www.flashdash.net)	.
(www.ftpplanet.com)	. ٣٢١
(www.ftpsearchengines.com)	. ٣٢٢
(www.gawab.com)	. ٣٢٣
(www.gemstar-ebook.com)	. ٣٢٤
(www.geocities.com)	. ٣٢٥
(www.globedesk.com)	. ٣٢٦
(www.goarch.org)	.
(www.gospelcom.net)	. ٣٢٨
(www.harf.com)	. ٣٢٩
(www.hinduunity.org)	.
(www.i3lan.org)	. ٣٣١
(www.ibackup.org)	. ٣٣٢
(www.ibadhiyah.net)	. ٣٣٣
(www.ibresource.net)	. ٣٣٤
(www.inarabic.org)	. ٣٣٥
(www.indiana.edu)	. ٣٣٦
(www.infosys-sy.com)	. ٣٣٧
(www.internethorizon.com)	. ٣٣٨
(www.islam.org.sa)	.
(www.islam.ws)	.
(www.islam10.com)	. ٣٤١
(www.islamacademy.net)	.
(www.islamalways.com)	. ٣٤٣

(www.islambgd.com)	. ٣٤٤
(www.islamhost.com)	.
(www.islamhouse.com)	.
(www.islamic-council.com)	. ٣٤٧
(www.islamicexchange.net)	. ٣٤٨
(www.islamicsupremecouncil.org)	.
(www.islammen.net)	.
(www.islammesssage.com)	. ٣٥١
(www.islamonline.net)	. ٣٥٢
(www.islam-qa.com)	.
(www.islamrank.com)	. ٣٥٤
(www.islamtomorrow.com)	.
(www.islamway.com)	.
(www.islamweb.net)	.
(www.islamyesterday.com)	.
(www.isu.net.sa)	. ٣٥٩
(www.itp.net)	. ٣٦٠
(www.kalemat.org)	.
(www.kamilat.org)	.
(www.khalaad.net)	. ٣٦٣
(www.khaybar.net)	. ٣٦٤
(www.khayma.com)	.
(www.lahaonline.com)	. ٣٦٦
(www.liveislam.com)	.
(www.liveprayer.com)	.
(www.mac.com)	. ٣٦٩
(www.macromedia.com)	. ٣٧٠
(www.mat.uc.pt)	. ٣٧١
(www.mawlid.net)	.
(www.mediapacker.com)	. ٣٧٣
(www.mediou.org)	.
(www.michisoft.com)	. ٣٧٥
(www.microsoft.com)	. ٣٧٦
(www.minshawi.com)	. ٣٧٧
(www.mirc.co.uk)	. ٣٧٨
(www.mirc.com)	. ٣٧٩
(www.mobile4arab.com)	. ٣٨٠
(www.montada.com)	. ٣٨١
(www.mrafe.com)	.
(www.mslit.com)	.
(www.msndirect.com)	. ٣٨٤
(www.muhammadith.org)	.
(www.naqshbandi.net)	.

(www.nassibmakarem.org)	.
(www.no2star.com)	.
(www.nokiamena.com)	. ٣٨٩
(www.omelketab.net)	.
(www.onelist.com)	. ٣٩١
(www.planetebook.com)	. ٣٩٢
(www.pray4you.org)	.
(www.psdland.com)	. ٣٩٤
(www.psu.edu)	. ٣٩٥
(www.qolob.net)	. ٣٩٦
(www.qurancomplex.com)	. ٣٩٧
(www.quranway.net)	. ٣٩٨
(www.raddadi.com)	.
(www.radiodestiny.com)	. ٤٠٠
(www.radiospay.com)	. ٤٠١
(www.rayaheen.net)	.
(www.rca.com)	. ٤٠٣
(www.research.ibm.com)	. ٤٠٤
(www.rjlsoftware.com)	. ٤٠٥
(www.rutgers.edu)	. ٤٠٦
(www.smartgroups.com)	. ٤٠٧
(www.suficinema.com)	.
(www.sunnah.org)	.
(www.svuonline.org)	.
(www.symbian.com)	. ٤١١
(www.taifedu.gov.sa)	. ٤١٢
(www.tarhuni.com)	.
(www.tariqa.net)	.
(www.tasjeel.com)	. ٤١٥
(www.tawhidofdruze.org.lb)	. ٤١٦
(www.tawqe3.com)	.
(www.toshiba.co.jp)	. ٤١٨
(www.twbh.com)	. ٤١٩
(www.undernet.org)	. ٤٢٠
(www.usb.org)	. ٤٢١
(www.uvv.org)	. ٤٢٢
(www.vb.fantazyat.com)	. ٤٢٣
(www.vtuner.com)	. ٤٢٤
(www.wcc-coe.org)	. ٤٢٥
(www.wearab.net/arabic)	. ٤٢٦
(www.webopedia.com)	. ٤٢٧
(www.web-radio.com)	. ٤٢٨
(www.xdrive.com)	. ٤٢٩

(www2.thecove.org) .

()

: =

()

(synchronous)

(GPRS)

()

(USB Memory Key)
(Hard Disk)

CD

(CD-R)

=

()

(CD-RW)

(Floppy Disk)

(VCD)

(SVCD)

(DVD)

(Ping)

(Byte)

()

()

(Software)

()

()

(Trojans)

(Fire Walls)
(Enable)

(Driver)
(local)
(spss)
(Microsoft Outlook)
(Outlook Express)

(Internet Explorer)

(Any Image)
(Pal talk)

(Sygate Personal Firewall)

(Zone Alarm)

(Win Zip)

(Power Point)

(Acrobat Reader)

(Isilo)

(Microsoft Reader)

(Listserv)
(Majordomo)
(Listproc)
(Access)

(Arabic Palm)

(Mirc)

(PhotoShop)

(ICQ)

(Windows Messenger)

(Yahoo Messenger)

(Real player)

(Windows Media Player)

(Yahoo Player)

(McAfee)

(Norton)

(Word)

(Windows Mobile)

(E Mail)

()

()

(())

(Sound Card)

(Gateway)

()
()

(Bluetooth)

(Projector)

(Smart Phone)

(Nokia N-Gage)
(Nokia 6600)
(Internet 2)
(Screen Saver)
(Uninstall)

(IBM)

(Pocket PC) (Palmtop)

(Tablet PC)

(Portable)
(Desktop)

(Wearable Computer)

()

(Leased line)
(DSL)
(Dial Up)
(RAM)

(SMS(
(MMS) (IP)

()

(Foissil)
(IBM)
(Spot)
(Onhand Pc)

()

(Themes)
(Speaker)

()

(Extra Net)
(Intra Net)
(Arpa Net)
(Mil Net)

(Nsf Net)

(VHS)

(Logos)

(Stereo)

(Mono)

(Printer)

(Hardware)

(Frame Count)

(Presentaion)

()

(Bit Depth)

(URL)

()

(CD-ROM)

(Memory Card Reader)

(Who is)

(Video Clip)

(Mailing List)

()

()

()

()
()

()

(POP3)
(TCP/IP)
()

(Resolution)
(Pass Word)

(Motherboard)

(Key Board)

() (News Groups)

(Chat)

()

()

()

()

()

()

(IRC)

(Compact Disk Driver)

(Floppy Disk Driver)

()

(Play Station)

(Adapter)

(Monitor)

(ISP)

(Wrist PDA)

(Mouse)

(Camera)

(Processor)

(Modem)

(Bit Rate)

(Sampliug Rate)

(User ID)

(Notebook)

(FAQs)

(Cookies)

(Forums)

()

()
()
()

()

()

() ()

(Infrared)
(Audio Out)
(Audio In)
(Serial Port)

(Fire Wire)

(Parallel Port)

(USB)

(DVI)

(D-SUB)

(PS2)

(ICCAN)

(ISO)

(CD-Re)

()

(www)

(DNS)

(Operating System)

(Symbian)

(DOS)

(Windows)

(Linux)

(Pixel)

() (FTP)

()

. : ()

() ()

()

(eml)
(htm)
(html)
(mht)
(shtml) (shtm) (mhtml)
(cda)
(mmf)
(mp3)

(rtx)
(wav)
(Real Audio)

(midi)
(wma)
(bmp)
(gif)
(ico)
(jpeg)
(tif)
(fla)
(swf)
(Real Video)
(wmv)
(3gp)

(avi)
(mp4)
(mpeg)

(jar) (jad)

()
()
()
()

(chm)
(lit)
(pdb)
(pdf)

(exe)

(doc)

(txt)

(amr)
(ram)
(rm)
(sis)
(tsk)

(Series 60)
(Series 80)
(UIQ)

() ()

- (ftp://cs.utk.edu)
- (ftp://cui.unige.ch)
- (ftp://debian.crosslink.net)
- (ftp://delcano.mit.edu)
- (ftp://dickory.sdsu.edu)
- (ftp://dkuug.dk)
- (ftp://donau.et.tudelft.nl)
- (ftp://dpls.dacc.wisc.edu)
- (ftp://duck.dfki.uni-sb.de)
- (ftp://eddie.mit.edu)
- (ftp://eecs.nwu.edu)
- (ftp://elsie.nci.nih.gov)
- (ftp://flower.aud.temple.edu)
- (ftp://freebie.engin.umich.edu)
- (ftp://ftp.adobe.com)
- (ftp://ftp.akk.uni-karlsruhe.de)
- (ftp://ftp.alaska.edu)
- (ftp://ftp.aol.com)
- (ftp://ftp.apple.com)
- (ftp://ftp.asta.uni-essen.de)
- (ftp://ftp.astro.psu.edu)
- (ftp://ftp.astro.umd.edu)
- (ftp://ftp.att.com)
- (ftp://ftp.bme.hu)
- (ftp://ftp.brown.edu)

()

()

(jp)
(ru)

(fi)
(pl)

(us)
(de)
(nl)

(fr)
(ca)

(ftp://ftp.brunel.ac.uk)
(ftp://ftp.cac.psu.edu)
(ftp://ftp.cac.washington.edu)
(ftp://ftp.caltech.edu)
(ftp://ftp.cc.ncsu.edu)
(ftp://ftp.cc.purdue.edu)
(ftp://ftp.cc.tut.fi)
(ftp://ftp.cc.umanitoba.ca)
(ftp://ftp.cc.utexas.edu)
(ftp://ftp.ccs.queensu.ca)
(ftp://ftp.ccu.edu.tw)
(ftp://ftp.cecm.sfu.ca)
(ftp://ftp.cevis.uni-bremen.de)
(ftp://ftp.cis.ksu.edu)
(ftp://ftp.clarkson.edu)
(ftp://ftp.cme.nist.gov)
(ftp://ftp.cns.vt.edu)
(ftp://ftp.colorado.edu)
(ftp://ftp.compaq.com)
(ftp://ftp.cosy.sbg.ac.at)
(ftp://ftp.cs.arizona.edu) /
(ftp://ftp.cs.brown.edu)
(ftp://ftp.cs.byu.edu)
(ftp://ftp.cs.cmu.edu) /
(ftp://ftp.cs.columbia.edu) /
(ftp://ftp.cvut.cz)
(ftp://ftp.dcc.uchile.cl)
(ftp://ftp.di.fc.ul.pt)
(ftp://ftp.dit.upm.es)
(ftp://ftp.duth.gr)
(ftp://ftp.ed.ac.uk)
(ftp://ftp.funet.fi)
(ftp://ftp.geo.vu.nl)
(ftp://ftp.gsu.edu)
(ftp://ftp.hawaii.edu)

(ftp://ftp.hk.super.net)
(ftp://ftp.hq.nasa.gov)
(ftp://ftp.icm.edu.pl)
(ftp://ftp.iem.pw.edu.pl)
(ftp://ftp.ime.usp.br)
(ftp://ftp.jcu.edu.au)
(ftp://ftp.kfki.hu)
(ftp://ftp.leidenuniv.nl)
(ftp://ftp.man.szczecin.pl)
(ftp://ftp.mcc.ac.uk) /
(ftp://ftp.metu.edu.tr)
(ftp://ftp.microsoft.com)
(ftp://ftp.mq.edu.au)
(ftp://ftp.msu.su)
(ftp://ftp.nectec.or.th)
(ftp://ftp.nvg.unit.no)
(ftp://ftp.ox.ac.uk)
(ftp://ftp.pku.edu.cn)
(ftp://ftp.adelaide.edu.au)
(ftp://ftp.aeinc.com)
(ftp://ftp.ai.mit.edu)
(ftp://ftp.ai.uga.edu)
(ftp://ftp.aist-nara.ac.jp)
(ftp://ftp.amug.org)
(ftp://ftp.bio.indiana.edu) /
(ftp://ftp.cc.columbia.edu)
(ftp://ftp.cc.lehigh.edu)
(ftp://ftp.cc.monash.edu.au)
(ftp://ftp.cg.tuwien.ac.at)
(ftp://ftp.cis.ohio-state.edu)
(ftp://ftp.cis.ufl.edu)
(ftp://ftp.cis.upenn.edu) /
(ftp://ftp.cl.cam.ac.uk)
(ftp://ftp.coe.ufrj.br)
(ftp://ftp.coli.uni-sb.de)

(ftp://ftp.cs.bham.ac.uk) /
(ftp://ftp.cs.colorado.edu) /
(ftp://ftp.cs.cuhk.hk) /
(ftp://ftp.cs.kuleuven.ac.be) /
(ftp://ftp.cs.uit.no) /
(ftp://ftp.daimi.aau.dk)
(ftp://ftp.ecs.soton.ac.uk)
(ftp://ftp.ehu.es)
(ftp://ftp.etsimo.uniovi.es)
(ftp://ftp.fsz.bme.hu)
(ftp://ftp.fu-berlin.de)
(ftp://ftp.gui.uva.es)
(ftp://ftp.hartford.edu)
(ftp://ftp.iastate.edu)
(ftp://ftp.ics.es.osaka-u.ac.jp)
(ftp://ftp.ifl.unizh.ch)
(ftp://ftp.informatik.uni-hamburg.de)
(ftp://ftp.inr.ac.ru)
(ftp://ftp.kiam1.rssi.ru)
(ftp://ftp.kodak.com)
(ftp://ftp.lanl.gov)
(ftp://ftp.leo.chubu.ac.jp)
(ftp://ftp.meiji.ac.jp)
(ftp://ftp.nrc.ca)
(ftp://ftp.risc.uni-linz.ac.at)
(ftp://ftp.simtel.ru)

()

()

:

:

()

.

.

()

.(

)

/

()

()

		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		
		,		,		()
		,		,		()
		,		,		()
		,		,		
		,		,		

()

				/		
		/	/	/		
		/		/		
		/		/		
		/		/		
		/		/		
		/		/		
		/		/		
		-	-	/		
		/		/		
		/		/		
		/		/		
		/		/		
		/		/		
		/		/		
		/		/		
		/		/		
		/		/		
		/		/		
		/		/		()
		/		/		()
		/		/		()
		/		/		

()

		/		/		/		/		
		/		/		/		/		
		/		/		/		/		
		/		/		/		/		
		/		/		/		/		
		/		/		/		/		
		-	-	/		/		/		
		/		/		-	-	/		
		/		/		-	-	-	-	
		/		/		/		/		
		/		/		/		/		
		/		/		/		/		
		/		/		/		/		
		/		/		/		/		
		-	-	/		/		/		
		/		/		/		/		
		/		/		/		/		
		/		/		-	-	-	-	()
		-	-	/		/		/		
		/		/		/		/		()
		/		/		/		/		()
		/		/		/		/		()
		/		/		/		/		

.....
.....
.....

.....
.....
.....

..... :
..... :
..... :
..... :

.....
.....
.....

.....
..... (TCP/IP) :
..... (IP) :
..... (IP) :
..... :

..... (IP)
.....
.....

.....
.....
..... :
..... :

.....

.....
.....
.....
.....
.....
.....

..
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

..

.....
.....
.....
.....
.....
.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....

.....

..

.....

.....

.....

·
·

.....

·
·

.....

.....

.....

.....

.....

·
·

.....

·
·

.....

·
·

.....

·
·

.....

·
·

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

•
•

.....

.....

.....

.....

..... (IRC)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

...

.....

.....

.....
.....
.....
.....
.....
.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....

.....
.....

.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

.....
.....
.....
.....
.....
.....

.....
.....
.....

.....
.....

.....
.....
.....

()
()
()

.....

.....