

LAMPIRAN A
LISTING PROGRAM
DYNAMIC MARKOV COMPRESSION

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LISTING PROGRAM
DYNAMIC MARKOV COMPRESSION

Form

```
Option Explicit
Dim str As String
Dim start As Double
Dim finish As Double
Dim charCount As Integer
Dim status As String
```

```
Const MAX_LENGTH = 30000
```

```
Private Sub cmdCompress_Click()
```

```
    Dim i As Long
    Dim ln As Long
    Dim tempStr As String
```

```
    lblStatus.Caption = "kompresi"
```

```
    start = Timer
    Call Compress(inputArr)
    finish = Timer
```

```
    lblStatus.Caption = "idle"
```

```
    lblLama.Caption = FormatNumber((finish - start), 3) & " detik"
```

```
    txtOutput.Text = ""
    ln = UBound(OutStream)
    lblUkuranAkhir = ln & " B"
    lblMerit = FormatPercent(Left(lblUkuranAwal.Caption, Len(lblUkuranAwal.Caption)
- 2) * 1 / ln, 2)
```

```
    If ln < MAX_LENGTH Then
        For i = 0 To ln
            txtOutput.Text = txtOutput.Text & Chr(OutStream(i))
        Next
    Else
        txtOutput.Text = "Isi file tidak muat pada text area"
    End If
```

```
cmdSave.Enabled = True
```

```
status = "compress"
```

```
End Sub
```

```
Private Sub cmdDecompress_Click()
```

```
Dim i As Long
```

```
Dim ln As Long
```

```
lblStatus = "dekompresi"
```

```
start = Timer
```

```
Call Decompress(inputArr)
```

```
finish = Timer
```

```
lblStatus.Caption = "idle"
```

```
lblLama.Caption = FormatNumber((finish - start), 3) & " detik"
```

```
txtOutput.Text = ""
```

```
ln = UBound(OutStream)
```

```
lblUkuranAkhir = ln & " B"
```

```
lblMerit = "0"
```

```
If ln < MAX_LENGTH Then
```

```
For i = 0 To ln
```

```
txtOutput.Text = txtOutput.Text & Chr(OutStream(i))
```

```
Next
```

```
Else
```

```
txtOutput.Text = "Isi file tidak muat pada text area"
```

```
End If
```

```
cmdSave.Enabled = True
```

```
status = "decompress"
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```

```
Private Sub cmdLoad_Click()
```

```
Dim loadedFile As String
```

```

Dim num As Integer
Dim i As Long
Dim fileLength As Long

lblStatus.Caption = "membuka"

cdialog.DialogTitle = "Silahkan pilih file"
cdialog.Filter = "Text file (*.txt)|*.txt|Dynamic Markov Compression file
(*DMC)|*.DMC"
cdialog.FileName = ""
cdialog.ShowOpen
loadedFile = cdialog.FileName

If loadedFile = "" Then
    MsgBox "Tidak ada file yang dipilih"
Else
    num = FreeFile
    Open loadedFile For Binary As #num
    fileLength = LOF(num) - 1
    ReDim inputArr(0 To fileLength)
    Get #num, , inputArr()
    Close #num

    cmdSave.Enabled = False
    If LCase(Right(cdialog.FileTitle, 3)) = "txt" Then
        status = "compress"
        cmdCompress.Enabled = True
        cmdDecompress.Enabled = False
    ElseIf LCase(Right(cdialog.FileTitle, 3)) = "dmc" Then
        status = "decompress"
        cmdCompress.Enabled = False
        cmdDecompress.Enabled = True
    End If

    lblUkuranAwal.Caption = UBound(inputArr) & " B"
    lblUkuranAkhir.Caption = "? B"
    lblLama.Caption = "? detik"
    lblMerit.Caption = "?"

    txtInput.Text = ""
    If fileLength < MAX_LENGTH Then
        For i = 0 To fileLength
            txtInput.Text = txtInput.Text & Chr(inputArr(i))
        Next
    Else
        txtInput.Text = "Isi file tidak muat pada text area"
    End If

```

```
End If
End If
```

```
lblStatus.Caption = "idle"
```

```
End Sub
```

```
Private Sub cmdSave_Click()
```

```
Dim savedFile As String
Dim num As Integer
Dim i As Long
Dim ln As Long
Dim content As String
```

```
lblStatus.Caption = "menyimpan"
```

```
cdialog.DialogTitle = "Menyimpan output"
```

```
If status = "compress" Then
```

```
    cdialog.Filter = "Dynamic Markov Compression file (*.DMC)|*.DMC"
```

```
Else
```

```
    cdialog.Filter = "Text file (*.txt)|*.txt"
```

```
End If
```

```
cdialog.FileName = ""
```

```
cdialog.ShowSave
```

```
savedFile = cdialog.FileName
```

```
If savedFile = "" Then
```

```
    MsgBox "file belum disimpan"
```

```
Else
```

```
    ln = UBound(OutputStream)
```

```
    num = FreeFile
```

```
    For i = 0 To ln
```

```
        content = content & Chr(OutputStream(i))
```

```
    Next
```

```
    Open savedFile For Output As #num
```

```
    Print #num, content
```

```
    Close #num
```

```
End If
```

```
lblStatus.Caption = "idle"
```

```
End Sub
```

```
Private Sub Form_Load()
```

```

txtInput.Text = ""
txtOutput.Text = ""
lblLama.Caption = ""
lblUkuranAwal = ""
lblUkuranAkhir = ""
lblStatus.Caption = "idle"
lblMerit.Caption = ""

cmdCompress.Enabled = False
cmdDecompress.Enabled = False
cmdSave.Enabled = False
End Sub

```

```

Private Sub Form_Terminate()
    End
End Sub

```

Process

Option Explicit

```

Public inputArr() As Byte
Public OutputStream() As Byte

```

```

Private OutPos As Long
Private OutBitCount As Integer
Private OutByteBuf As Byte
Private Const MaxBits = 24

```

```

Public Sub Compress(ByteArray() As Byte)
    Dim InpPos As Long
    Dim LowValue As Long
    Dim HighValue As Long
    Dim RangValue As Long
    Dim MidValue As Long
    Dim Char As Byte
    Dim i As Integer
    Dim Bitset As Byte
    Dim Index As Integer
    Dim TopBit As Long
    Dim One(256) As Long
    Dim Zero(256) As Long

```

```

Call Initiate
LowValue = 0
HighValue = (2 ^ MaxBits) - 1
TopBit = 2 ^ (MaxBits - 1)
InpPos = 0
Index = -1

For i = 0 To 256
    One(i) = 1
    Zero(i) = 1
Next

Do While InpPos <= UBound(ByteArray)
    Char = ByteArray(InpPos)
    InpPos = InpPos + 1

    For i = 0 To 7
        Bitset = (Char And (2 ^ (7 - i))) And &HFF

        Index = (2 ^ i) - 1 + Int(Char / (2 ^ (8 - i)))
        RangValue = HighValue - LowValue
        MidValue = LowValue + (RangValue * (Zero(Index) / (One(Index) +
Zero(Index))))

        If MidValue = LowValue Then MidValue = MidValue + 1
        If MidValue = HighValue - 1 Then MidValue = MidValue - 1

        If Bitset > 0 Then
            LowValue = MidValue
            One(Index) = One(Index) + 1
        Else
            HighValue = MidValue
            Zero(Index) = Zero(Index) + 1
        End If

        Do While (HighValue And TopBit) = (LowValue And TopBit) Or LowValue >
HighValue - 255
            If (LowValue And TopBit) = 0 Then
                Call AddBitsToOutputStream(0)
            Else
                Call AddBitsToOutputStream(1)
            End If

            HighValue = (HighValue And (TopBit - 1)) * 2 + 1
            LowValue = (LowValue And (TopBit - 1)) * 2

```

```

        If LowValue >= HighValue Then
            HighValue = (2 ^ MaxBits) - 1
        End If
    Loop
Next
Loop

For i = MaxBits - 1 To 0 Step -1
    If (LowValue And 2 ^ i) = 0 Then
        Call AddBitsToOutputStream(0)
    Else
        Call AddBitsToOutputStream(1)
    End If
Next

Do While OutBitCount > 0
    Call AddBitsToOutputStream(1)
Loop

ReDim Preserve OutputStream(OutPos - 1)
End Sub

```

```

Public Sub Decompress(ByteArray() As Byte)
    Dim InPos As Long
    Dim InBitPos As Integer
    Dim LowValue As Long
    Dim HighValue As Long
    Dim RangValue As Long
    Dim MidValue As Long
    Dim Value As Long
    Dim Char As Byte
    Dim i As Integer
    Dim Index As Integer
    Dim EOF_State As Boolean
    Dim TopBit As Long
    Dim One(256) As Long
    Dim Zero(256) As Long

    Call Initiate
    LowValue = 0
    HighValue = (2 ^ MaxBits) - 1
    TopBit = 2 ^ (MaxBits - 1)
    InPos = 0
    Value = ReadBitsFromArray(ByteArray, InPos, InBitPos, MaxBits)
    Index = -1

```

```

For i = 0 To 256
    One(i) = 1
    Zero(i) = 1
Next

Do
    Char = 0
    For i = 0 To 7
        Index = (1 * (2 ^ i)) - 1 + Char
        RangValue = HighValue - LowValue
        MidValue = LowValue + (RangValue * (Zero(Index) / (One(Index) +
Zero(Index))))

        If MidValue = LowValue Then MidValue = MidValue + 1
        If MidValue = HighValue - 1 Then MidValue = MidValue - 1

        If Value >= MidValue Then
            Char = (2 * Char) + 1
            LowValue = MidValue
            One(Index) = One(Index) + 1
        Else
            Char = 2 * Char
            HighValue = MidValue
            Zero(Index) = Zero(Index) + 1
        End If

        Do While (HighValue And TopBit) = (LowValue And TopBit) Or LowValue >
HighValue - 255
            If InPos <= UBound(ByteArray) Then
                Value = (Value And (TopBit - 1)) * 2 + ReadBitsFromArray(ByteArray,
InPos, InBitPos, 1)
                HighValue = (HighValue And (TopBit - 1)) * 2 + 1
                LowValue = (LowValue And (TopBit - 1)) * 2
                If LowValue >= HighValue Then HighValue = (2 ^ MaxBits) - 1
            Else
                EOF_State = True
                Exit Do
            End If
        Loop

        If EOF_State = True Then Exit Do
    Next

    Call AddCharToArray(OutputStream, OutPos, Char)
Loop

```

```
    ReDim Preserve OutStream(OutPos - 1)
End Sub
```

```
Private Sub Initiate()
    ReDim OutStream(500)
    OutPos = 0
    OutBitCount = 0
    OutByteBuf = 0
End Sub
```

```
Private Sub AddBitsToOutStream(Number As Integer)
    OutByteBuf = OutByteBuf * 2 + Number
    OutBitCount = OutBitCount + 1

    If OutBitCount = 8 Then
        OutStream(OutPos) = OutByteBuf
        OutBitCount = 0
        OutByteBuf = 0
        OutPos = OutPos + 1
        If OutPos > UBound(OutStream) Then
            ReDim Preserve OutStream(OutPos + 500)
        End If
    End If
End Sub
```

```
Private Function ReadBitsFromArray(FromArray() As Byte, FromPos As Long, FromBit
As Integer, NumBits As Integer) As Long
    Dim i As Integer
    Dim Temp As Long
    For i = 1 To NumBits
        Temp = Temp * 2 + (-1 * ((FromArray(FromPos) And 2 ^ (7 - FromBit)) > 0))
        FromBit = FromBit + 1
        If FromBit = 8 Then
            If FromPos + 1 > UBound(FromArray) Then
                Do While i < NumBits
                    Temp = Temp * 2
                    i = i + 1
                Loop
                FromPos = FromPos + 1
                Exit For
            End If

            FromPos = FromPos + 1
            FromBit = 0
        End If
    Next i
End Function
```

```
Next  
ReadBitsFromArray = Temp  
End Function
```

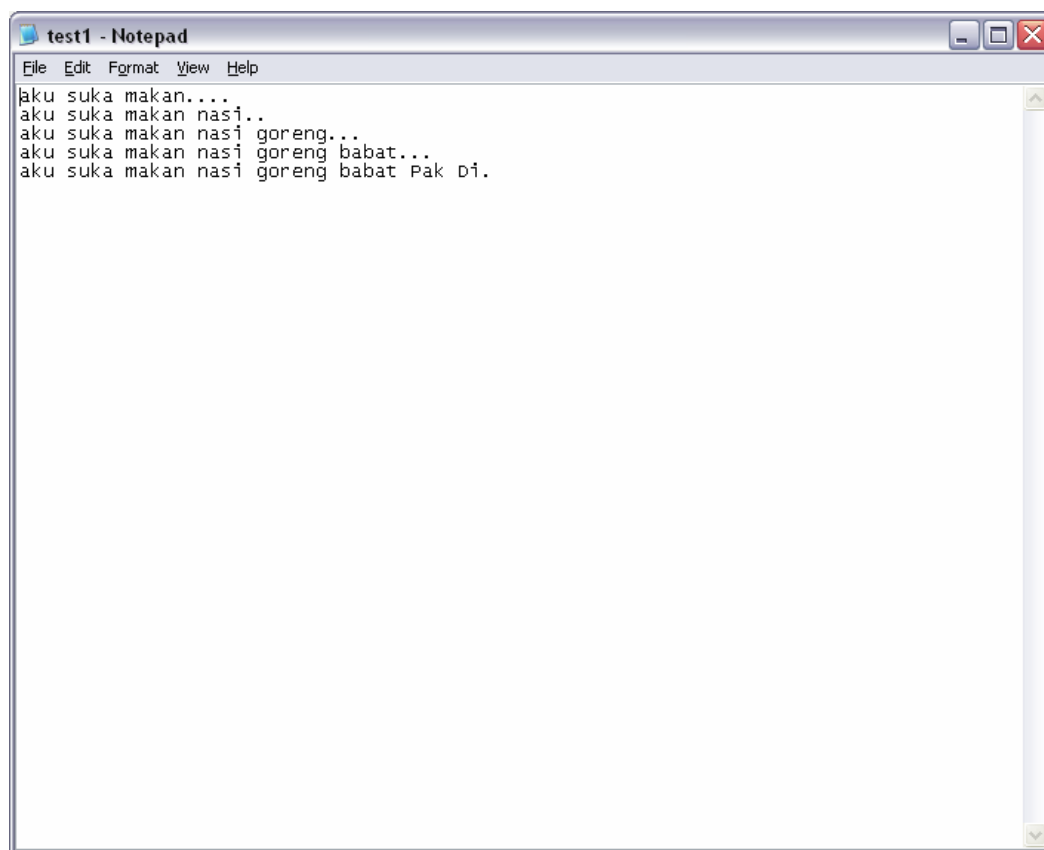
```
Private Sub AddCharToArray(ToArray() As Byte, ToPos As Long, Char As Byte)  
    If ToPos > UBound(ToArray) Then ReDim Preserve ToArray(ToPos + 500)  
    ToArray(ToPos) = Char  
    ToPos = ToPos + 1  
End Sub
```

LAMPIRAN B
CUPLIKAN ISI FILE ASLI

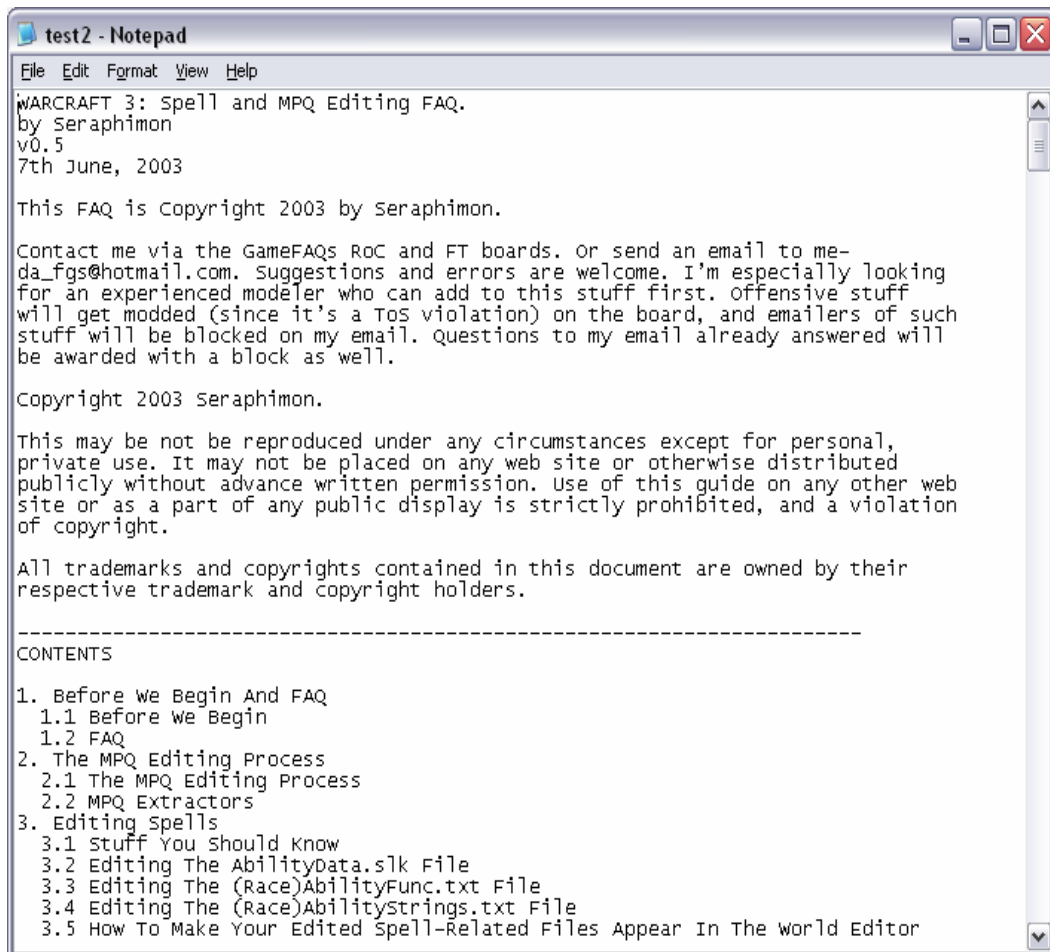
LAMPIRAN B

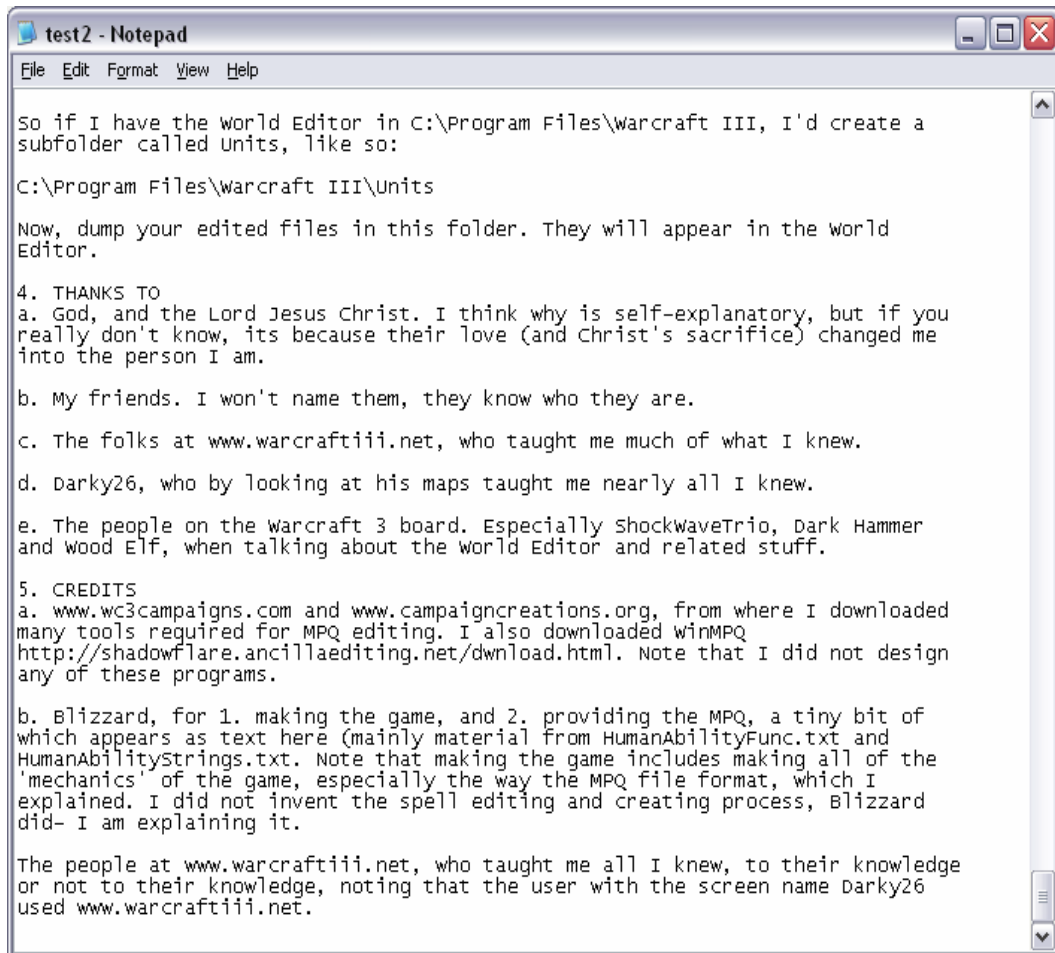
CUPLIKAN ISI FILE ASLI

1. test1.txt

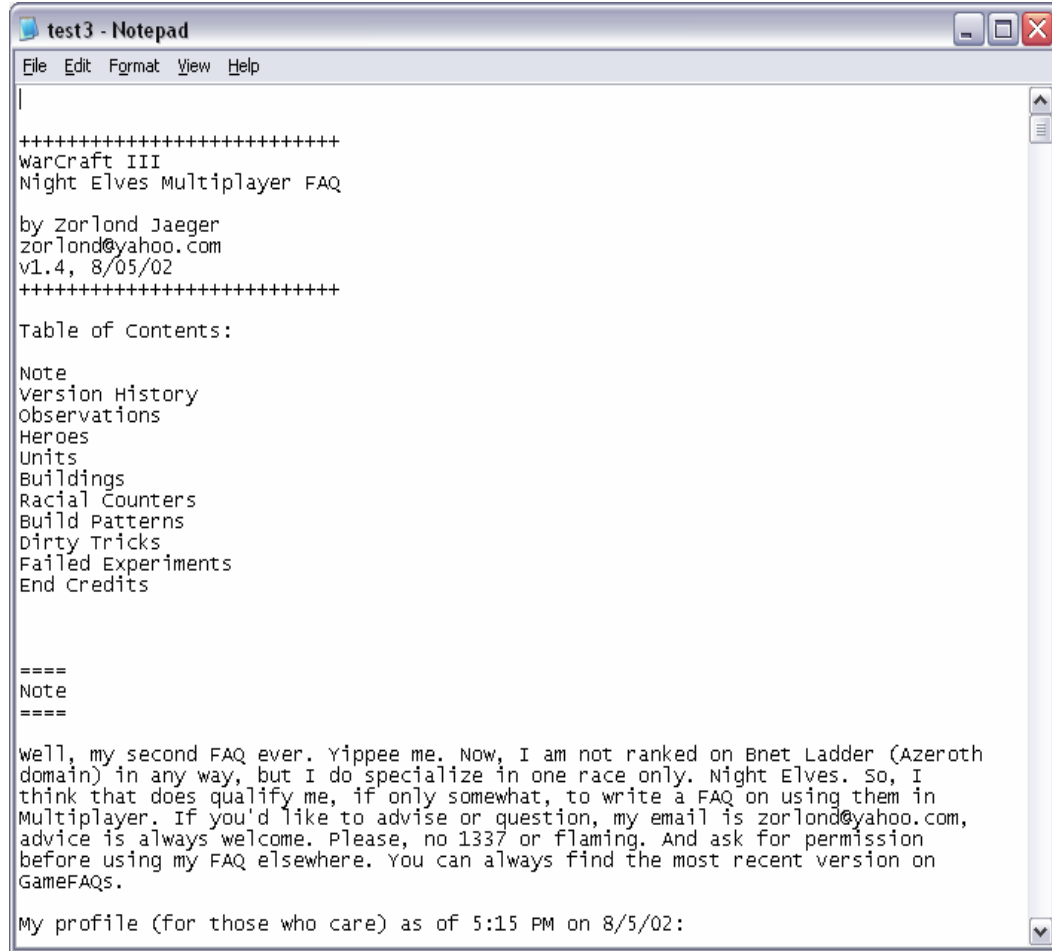


2. test2.txt





3. test3.txt



```
test3 - Notepad
File Edit Format View Help

|

+++++
warCraft III
Night Elves Multiplayer FAQ

by Zorlond Jaeger
zorlond@yahoo.com
v1.4, 8/05/02
+++++

Table of Contents:

Note
Version History
Observations
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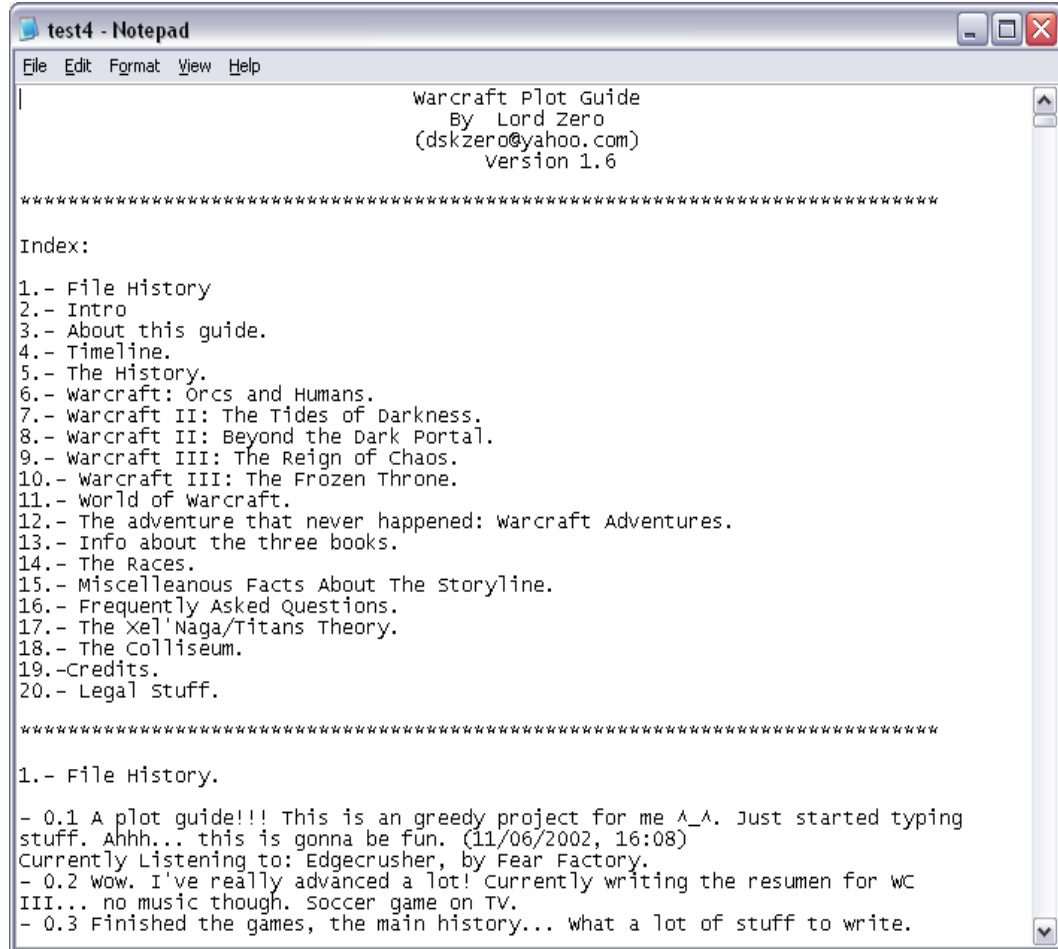
====
Note
====

well, my second FAQ ever. Yippee me. Now, I am not ranked on Bnet Ladder (Azeroth
domain) in any way, but I do specialize in one race only. Night Elves. So, I
think that does qualify me, if only somewhat, to write a FAQ on using them in
Multiplayer. If you'd like to advise or question, my email is zorlond@yahoo.com,
advice is always welcome. Please, no 1337 or flaming. And ask for permission
before using my FAQ elsewhere. You can always find the most recent version on
GameFAQs.

My profile (for those who care) as of 5:15 PM on 8/5/02:
```



4. test4.txt



```
warcraft Plot Guide
By Lord Zero
(dskzero@yahoo.com)
version 1.6

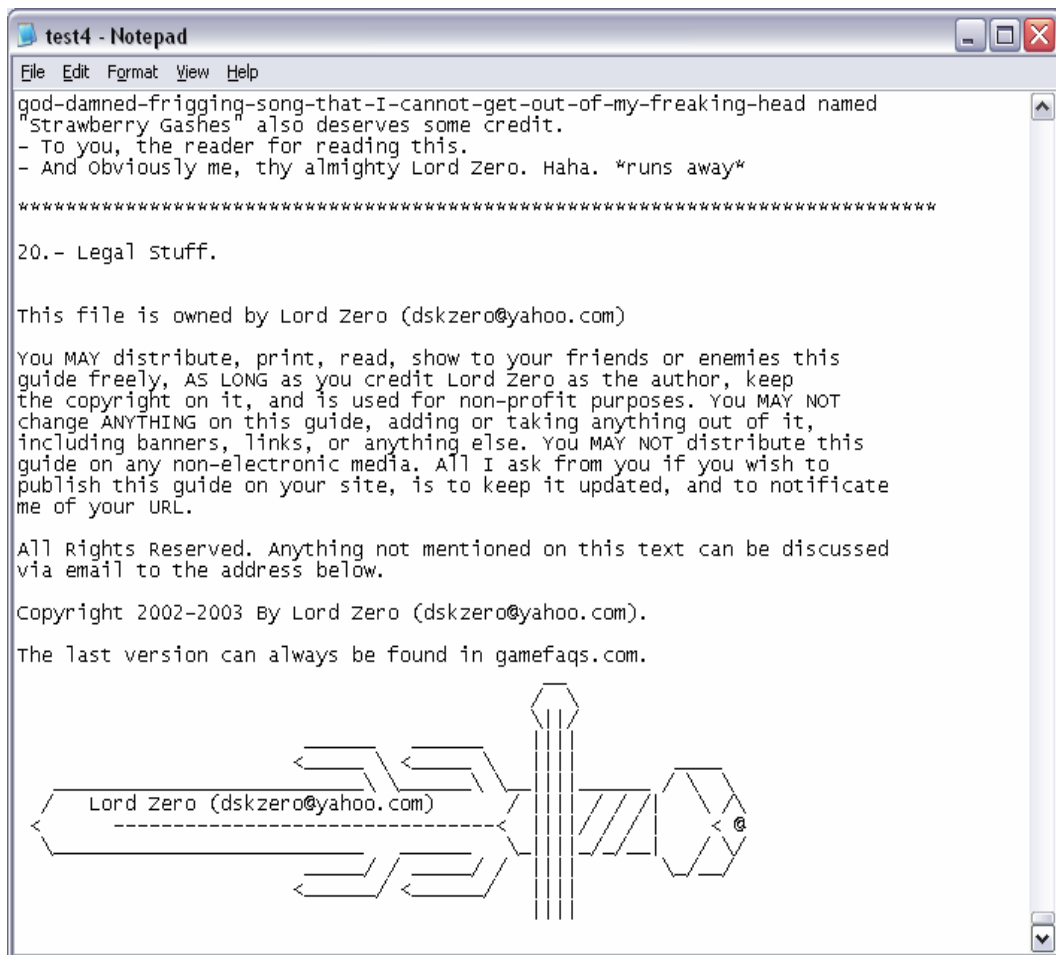
*****

Index:
1.- File History
2.- Intro
3.- About this guide.
4.- Timeline.
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6.- Warcraft: Orcs and Humans.
7.- Warcraft II: The Tides of Darkness.
8.- Warcraft II: Beyond the Dark Portal.
9.- Warcraft III: The Reign of Chaos.
10.- Warcraft III: The Frozen Throne.
11.- World of Warcraft.
12.- The adventure that never happened: Warcraft Adventures.
13.- Info about the three books.
14.- The Races.
15.- Miscellaneous Facts About The Storyline.
16.- Frequently Asked Questions.
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18.- The Colliseum.
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20.- Legal Stuff.

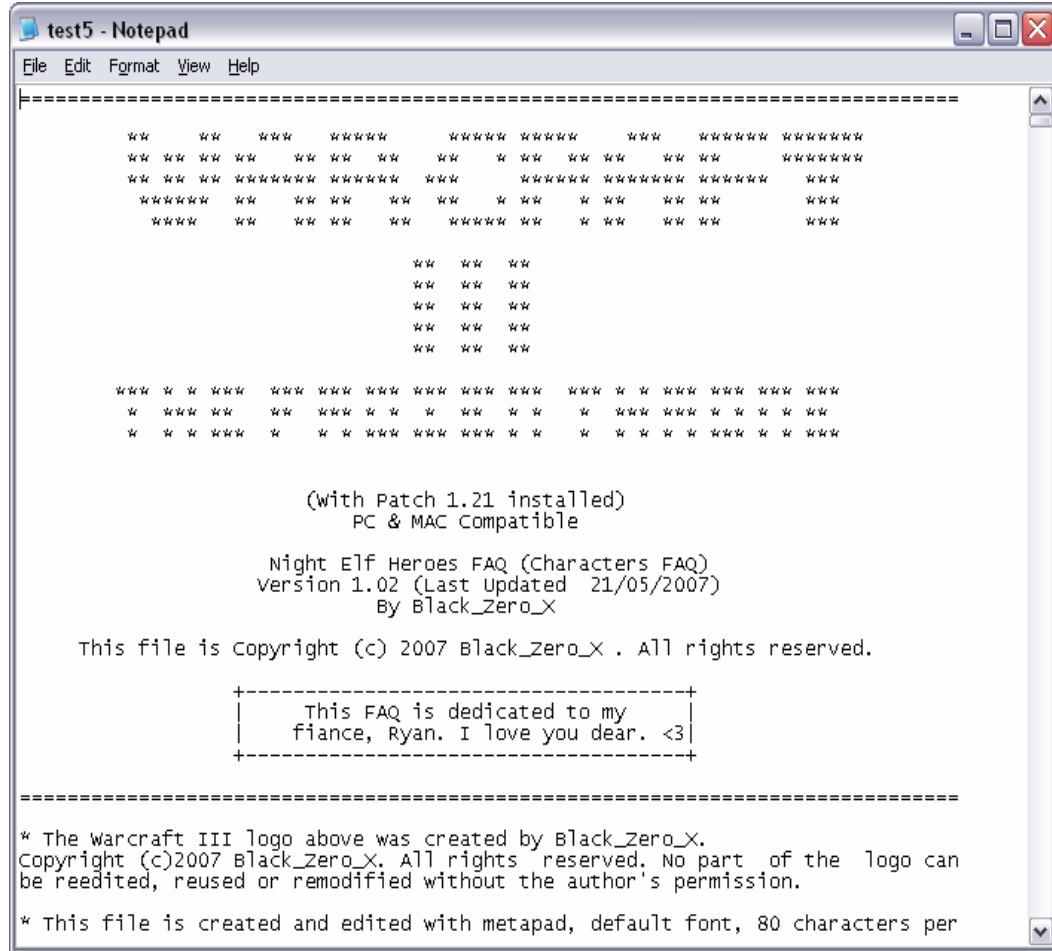
*****

1.- File History.

- 0.1 A plot guide!!! This is an greedy project for me ^_^. Just started typing
stuff. Ahhh... this is gonna be fun. (11/06/2002, 16:08)
Currently Listening to: Edgecrusher, by Fear Factory.
- 0.2 wow. I've really advanced a lot! Currently writing the resumen for WC
III... no music though. Soccer game on TV.
- 0.3 Finished the games, the main history... what a lot of stuff to write.
```



5. test5.txt



```
test5 - Notepad
File Edit Format View Help
|[13]. Special Thanks      | [!] |
|[14]. Future Plan & Closing | [*] |
+-----+-----+-----+
Notes: '*' indicates the section is completed but can be updated sometimes.
      '!' indicates the section is not yet completed and will be updated.

The list of my works can be found at:
> http://www.gamefaqs.com/features/recognition/61352.html <

Finally.....

Thank you for reading. See ya!

                                Those who wield too much powers....
                                Those who only bring chaos....

-End of Document-

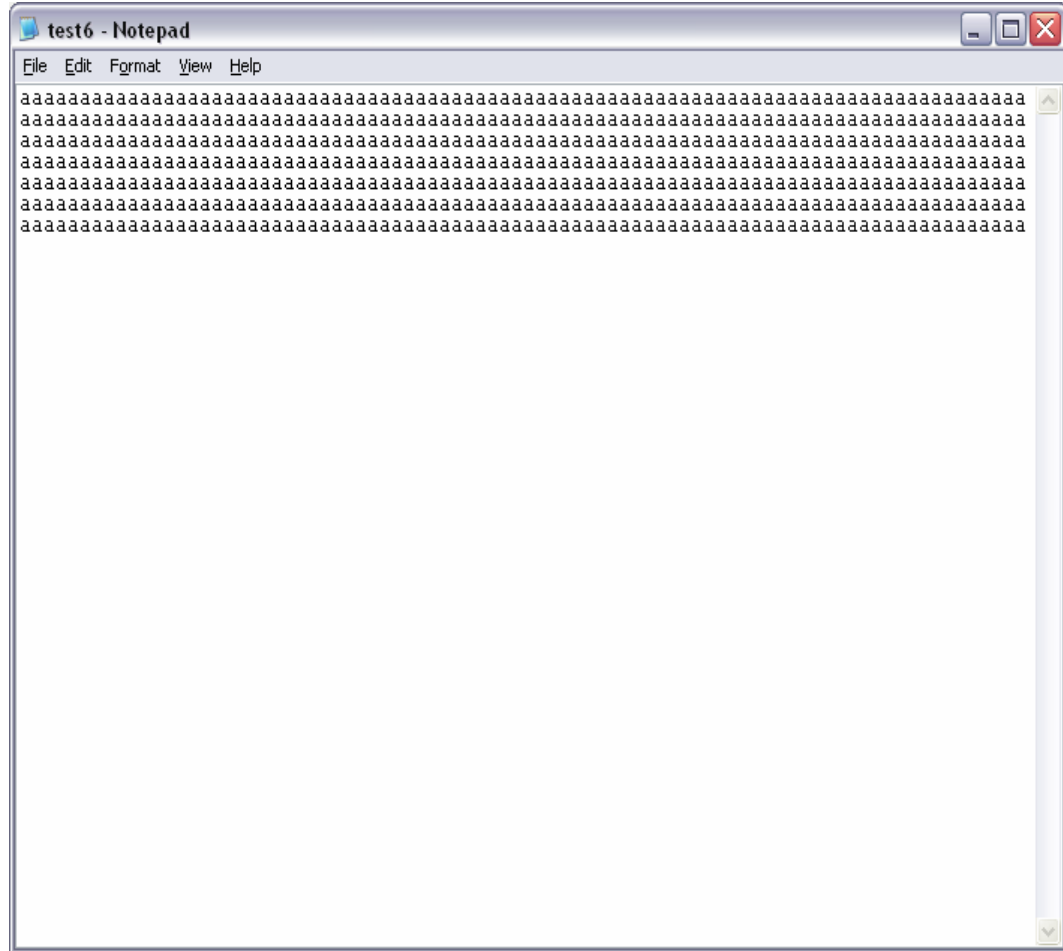
*****

      Zw2 MMi MM,      .MMMMMMMMMM      ;aMM,      - Life is like a painting..
      aM MM @M7      MM,      w7 MM7 M      You paint over blank
      MM MM :M7      MM      MMi.M      canvas called future
      rMM MMZ      MM      MMM      by living.
      MB MM      OMM      @Mr
      ;MM M      8MZ      ;M1 MS
      B MM      MM: XM      BM M.
      aMMMZMMwMa      MMMMMMMMMM,      .MMMX      MM

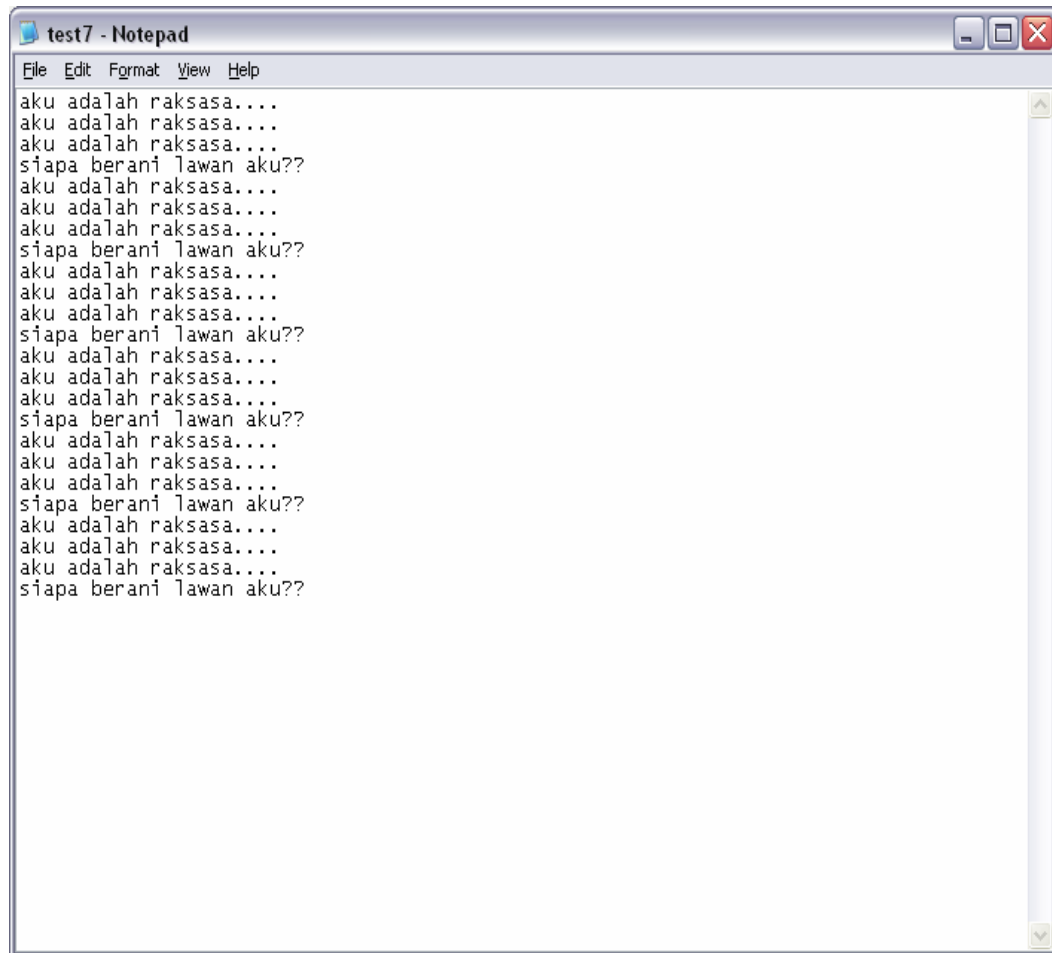
                                Copyright (c)2007, Black_Zero_X
                                All rights reserved.

*****
```

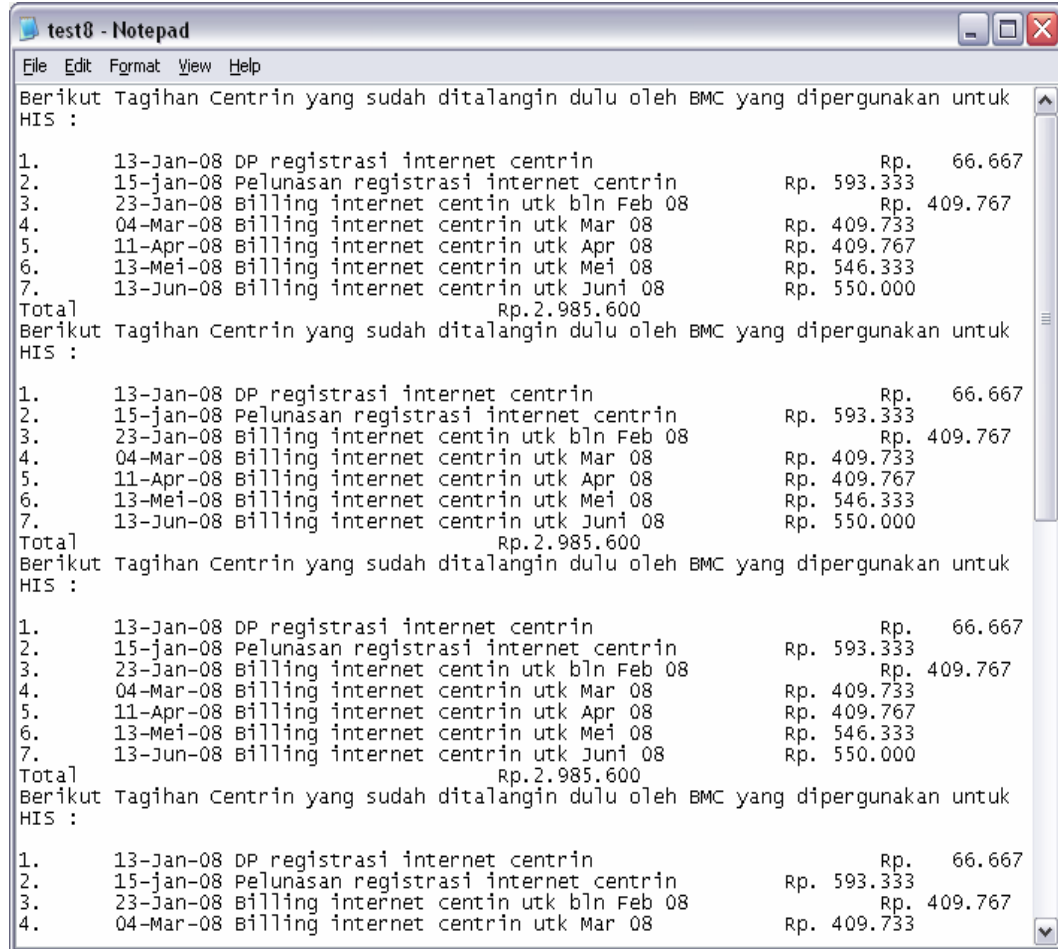
6. test6.txt



7. test7.txt



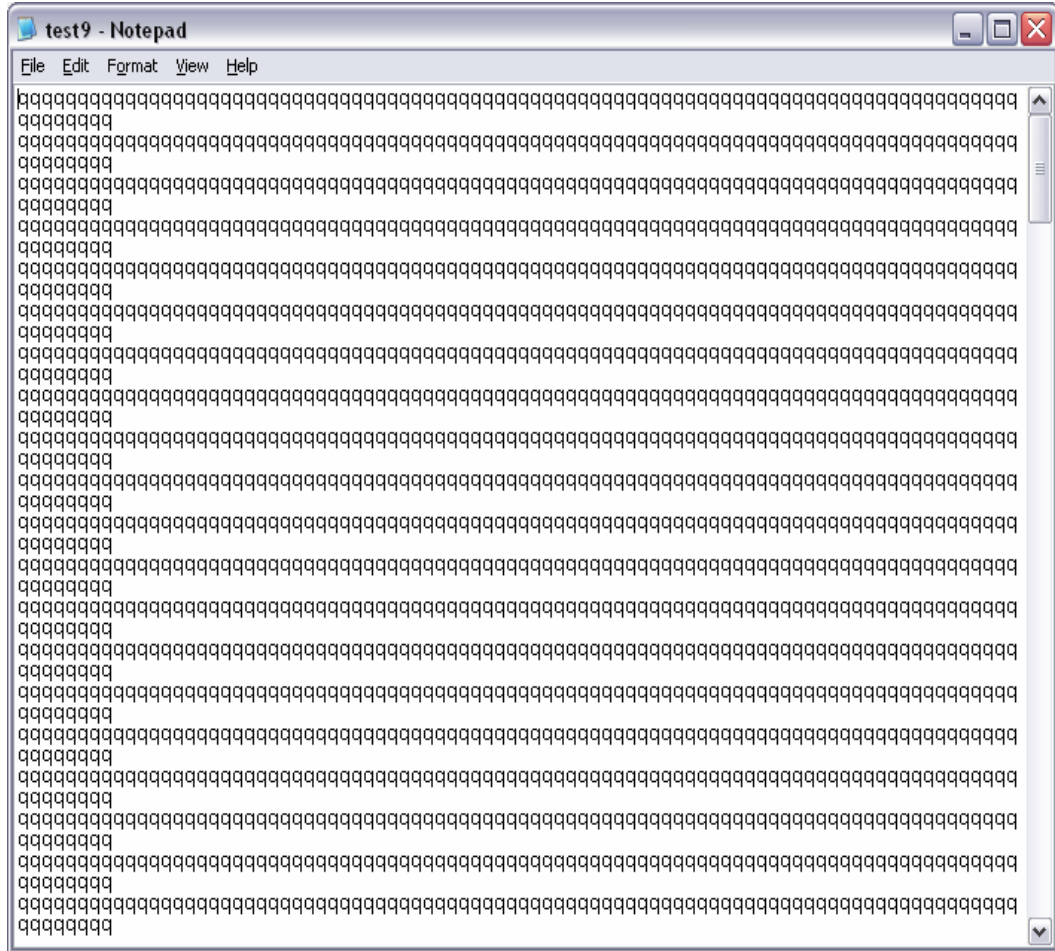
8. test8.txt

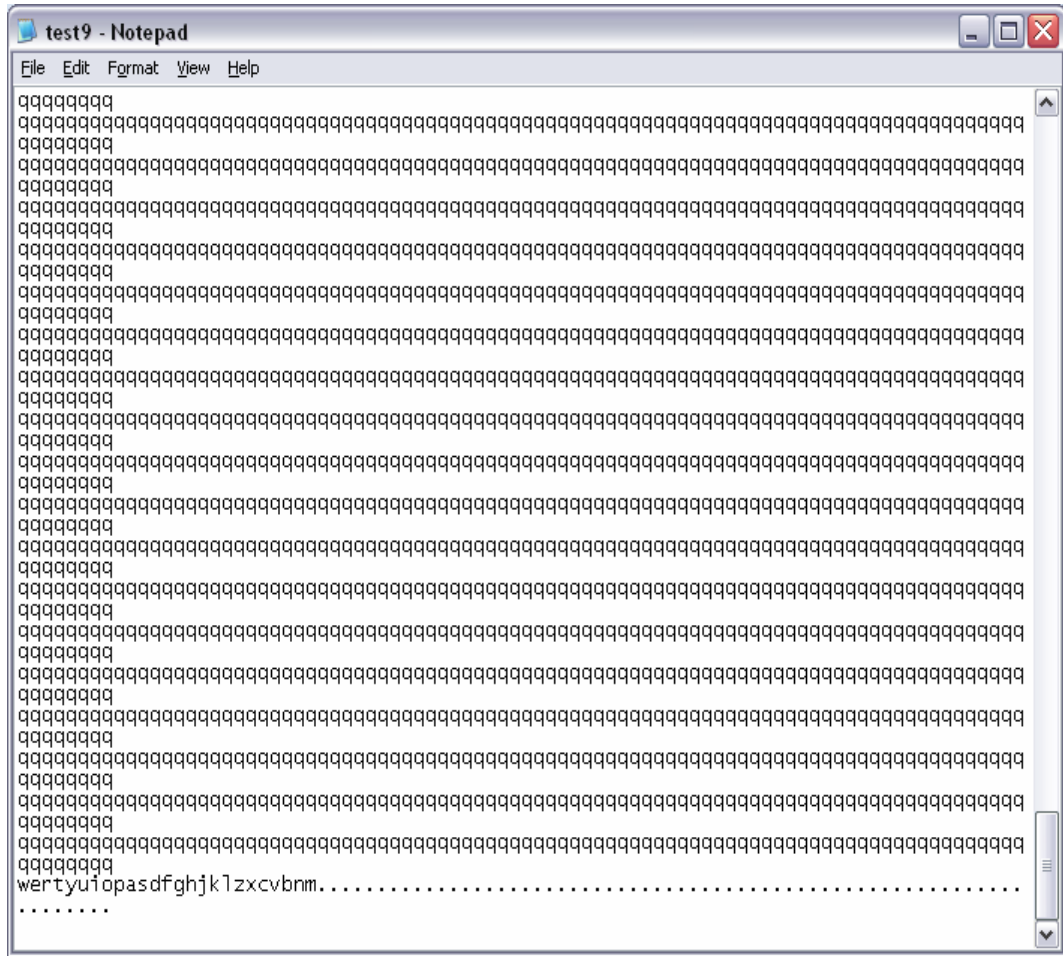


```
test8 - Notepad
File Edit Format View Help
Berikut Tagihan Centrin yang sudah ditalangin dulu oleh BMC yang dipergunakan untuk
HIS :
1.      13-Jan-08 DP registrasi internet centrin                        Rp.      66.667
2.      15-Jan-08 Pelunasan registrasi internet centrin                Rp. 593.333
3.      23-Jan-08 Billing internet centin utk bln Feb 08                Rp. 409.767
4.      04-Mar-08 Billing internet centrin utk Mar 08                  Rp. 409.733
5.      11-Apr-08 Billing internet centrin utk Apr 08                  Rp. 409.767
6.      13-Mei-08 Billing internet centrin utk Mei 08                  Rp. 546.333
7.      13-Jun-08 Billing internet centrin utk Juni 08                  Rp. 550.000
Total]                                Rp.2.985.600
Berikut Tagihan Centrin yang sudah ditalangin dulu oleh BMC yang dipergunakan untuk
HIS :
1.      13-Jan-08 DP registrasi internet centrin                        Rp.      66.667
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4.      04-Mar-08 Billing internet centrin utk Mar 08                  Rp. 409.733
```

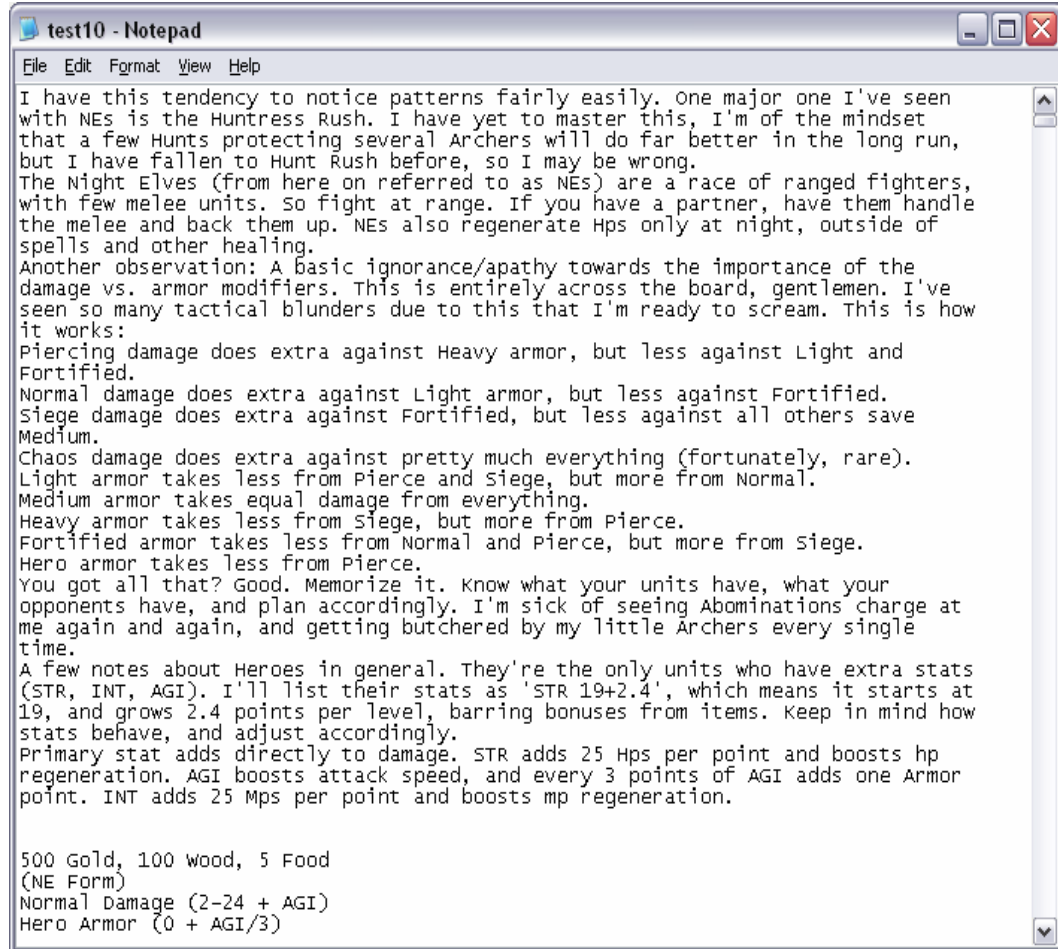
test0 - Notepad						
File Edit Format View Help						
4.	04-Mar-08	Billing internet	centrin utk Mar 08	Rp.	409.733	
5.	11-Apr-08	Billing internet	centrin utk Apr 08	Rp.	409.767	
6.	13-Mei-08	Billing internet	centrin utk Mei 08	Rp.	546.333	
7.	13-Jun-08	Billing internet	centrin utk Juni 08	Rp.	550.000	
Total				Rp.	2.985.600	
Berikut Tagihan Centrin yang sudah ditalangin dulu oleh BMC yang dipergunakan untuk HIS :						
1.	13-Jan-08	DP registrasi internet	centrin	Rp.	66.667	
2.	15-Jan-08	Pelunasan registrasi internet	centrin	Rp.	593.333	
3.	23-Jan-08	Billing internet	centin utk bln Feb 08	Rp.	409.767	
4.	04-Mar-08	Billing internet	centrin utk Mar 08	Rp.	409.733	
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Total				Rp.	2.985.600	
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2.	15-Jan-08	Pelunasan registrasi internet	centrin	Rp.	593.333	
3.	23-Jan-08	Billing internet	centin utk bln Feb 08	Rp.	409.767	
4.	04-Mar-08	Billing internet	centrin utk Mar 08	Rp.	409.733	
5.	11-Apr-08	Billing internet	centrin utk Apr 08	Rp.	409.767	
6.	13-Mei-08	Billing internet	centrin utk Mei 08	Rp.	546.333	
7.	13-Jun-08	Billing internet	centrin utk Juni 08	Rp.	550.000	
Total				Rp.	2.985.600	
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5.	11-Apr-08	Billing internet	centrin utk Apr 08	Rp.	409.767	
6.	13-Mei-08	Billing internet	centrin utk Mei 08	Rp.	546.333	
7.	13-Jun-08	Billing internet	centrin utk Juni 08	Rp.	550.000	
Total				Rp.	2.985.600	

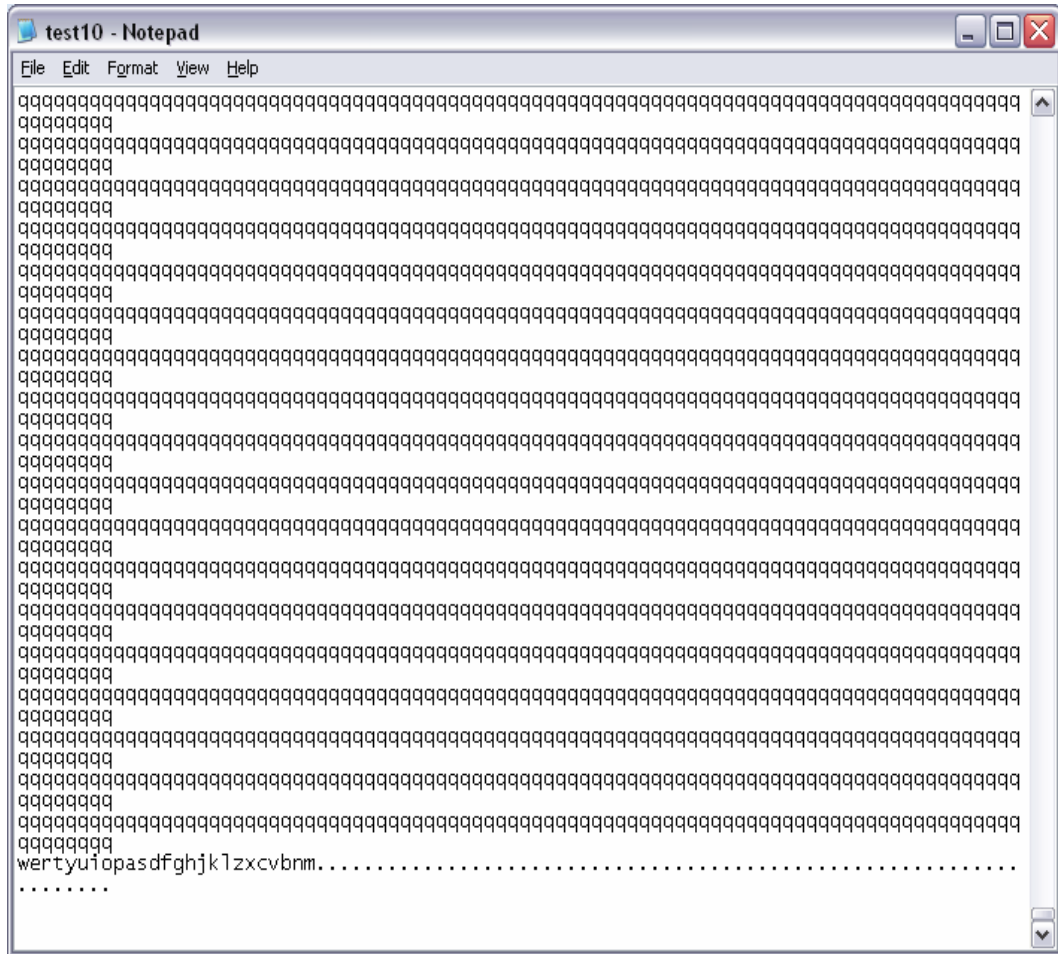
9. test9.txt





10. test10.txt



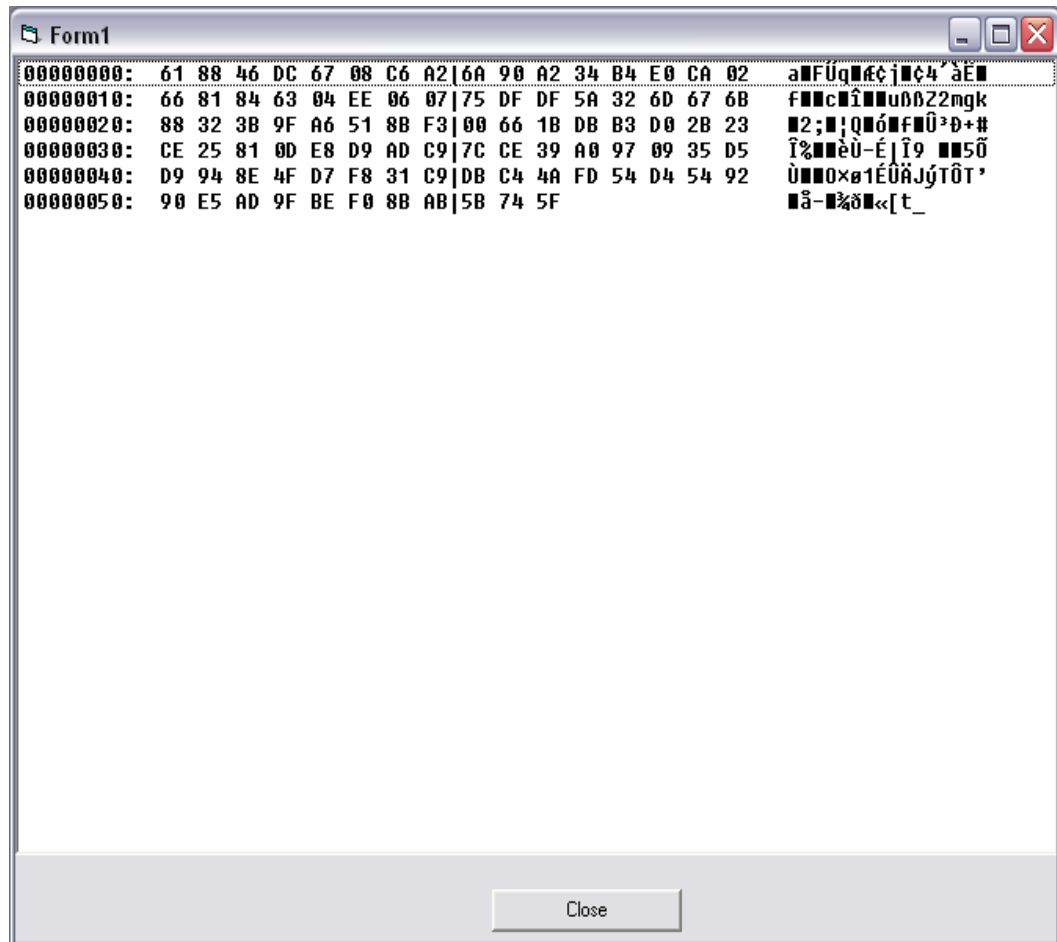


LAMPIRAN C
CUPLIKAN ISI FILE HASIL KOMPRESI

LAMPIRAN C

CUPLIKAN ISI FILE HASIL KOMPRESI

1. test1.DMC



2. test2.DMC

Form1

00000000:	57 3B 24 92 20 09 8D 4A 10 7D E4 67 AC 20 19 AB	W; \$' ■■J■>äg~ ■«
00000010:	B5 CE BB DE C2 06 7A B2 D0 88 79 50 02 5A C9 3D	μī>þā■z²0■yP■ZÉ=
00000020:	CD 84 8B 95 79 D1 B4 5E 32 1C AD 30 6C BC 56 87	í■■■yñ'^2■-01¼U■
00000030:	72 B0 FF C3 7D 21 D6 B8 D8 C0 69 18 E9 68 D5 73	r°ÿā}°Û,0āi■ék0s
00000040:	9A 6A 0F 41 FD 93 4E 8A 6D DC 46 63 18 6E D2 55	■j■Aý■N■mÛFc■n0U
00000050:	1D 6F 78 2E 64 D0 CD 85 3F A4 3D 0D 4A 90 23 51	■ox.d0í■?■=■J■#Q
00000060:	F8 E4 5A 08 23 9C EC AA BB E8 CD 23 3F EF 91 14	øäZ■#■i■a>èí#?i'■
00000070:	9F C4 62 5A 8C EA 77 15 FF 3F 19 94 38 ED 0C FE	■ābZ■êw■ij?■■8í■þ
00000080:	4B C7 67 F2 AC 41 A6 20 E3 87 6F 73 48 70 2A E2	KÇg0~A! ä■osHp*â
00000090:	7A 51 B3 03 83 8F 73 D1 03 A5 50 75 3E A8 01 5A	zQ³■■■sN■¥Pu>'■Mz
000000A0:	BD 1A 70 CC BC 8F 68 12 55 57 1F E9 83 13 6A 2D	½pì¼■h■UW■é■■j-
000000B0:	87 2D 03 B3 9E 5E FA 2F 05 00 15 56 EF 03 58 BB	■-■³■"ú/■■■Uí■X>
000000C0:	60 99 EF 0F 74 CD 22 93 86 77 AC 42 90 86 C2 BD	`íí■tí'■■■w~B■■■ā¼
000000D0:	74 9A 08 E9 DD AC 39 64 C3 E2 08 2C EA 05 9B D0	t■■■éý~9dāā■,ê■■■0
000000E0:	FC E3 03 A2 B3 62 98 12 DA BA C2 58 A4 D5 0D 2D	Ûā■ç³b■■■ú°āX*0■-
000000F0:	F5 62 B3 EB 11 47 10 F1 E1 28 BA 7E 88 58 87 7B	0b³è■G■ñá(°~■X■{
00000100:	76 2F D0 E2 0B 35 34 93 9C A1 24 A3 EB 9A 40 87	v/0ā■54■■■, \$Éè■@-
00000110:	1B 14 A7 3C 22 AC 2F DF 54 AB 77 6F E4 24 0D 42	■■■§<'~/0T«woä\$■B
00000120:	60 A8 C3 75 E5 DE 15 FF 59 3A 0B 75 B2 03 B0 80	`"Auāb■ijY:■u²■"■
00000130:	2A B4 71 BC D6 77 43 F5 8E 95 FC C7 A6 43 FE 6B	*'q¼0wC0■■■ÛÇ¡Cþk
00000140:	54 71 A8 75 F7 67 4D B2 6D 04 D5 13 66 BD 93 6E	Tq"u÷gM²m0■f¼■n
00000150:	85 EA E7 B5 33 78 43 18 D9 72 F8 9C 00 F9 F1 43	■êçμ3{C■Ûrø■■■ùñC
00000160:	7E 1F 59 52 D3 40 84 C7 15 22 B8 45 9A 0E 74 54	~■YR0@■Ç■", E■■■tT
00000170:	DC 7A 47 6F 42 B7 A7 4B 42 FF 4E CB 58 85 4B 6F	ÛzGoB·§KBYñÉX■Ko
00000180:	E8 31 3E 79 41 E0 30 FF 93 60 58 6D 16 60 E4 A9	è1>yAà0ÿ■`Xm■`ä0
00000190:	30 54 B4 74 B4 B4 F1 21 48 E9 75 3B 52 D5 C7 7E	0T't'°ñ!Héu;R0Ç~
000001A0:	BA 8B 9D BD FC 9D 33 F9 2C A8 A7 09 9B 79 E9 EA	°■■■¼Û3ù,"§■■■yéè
000001B0:	BA AD C1 8C 38 C2 01 49 86 23 F3 8D A5 19 69 50	°-Á■8ā■I■#ó■¥■iP
000001C0:	A4 D8 CD C7 D1 78 4A AF D0 E0 69 18 E0 44 AE 26	*0íÇNxD-0àí■àD0&
000001D0:	C8 D2 F4 74 40 6B 67 18 39 94 A3 49 2A D4 1A FB	È00t@kg■9■EI*0■0
000001E0:	D4 62 67 90 BE 9B FD D4 D8 BC 0C 7D D3 89 28 F8	0bq■¼■Û00¼■}0■{0

Close

Form1

00003E60: 49 DC 95 58 3C E7 E0 D9 76 CA 82 9B DC B3 99 99

IÜX<çàùvÈÜ'■

00003E70: 8C 52 8A 3D 0C 42 80 DC 3E 29 B5 43 2F BD 5C 20

■R■=■B■Ü>)µC/½\

00003E80: 40 67 9A B1 86 68 93 9A 64 99 E2 9D 7A F1 3B 0C

@g■±■k■d■â■z■ñ■

00003E90: 0A 1C 16 DB A0 CA 19 4F E2 10 D9 D4 07 B2 CD 24

■■■Ü È■0â■Ü0■²Í\$

00003EA0: 22 D3 D5 51 5F 9C 20 A9 73 9E B6 A0 43 A3 37 D3

"00Q_■ @s■q CE70

00003EB0: 86 BA B4 D1 B5 04 E7 A8 24 0E A1 FC DF 77 CE 67

■'■µ■ç"■\$■;üöwİg

00003EC0: 84 0B 65 E3 FE EB 39 4E 28 CF 5D 6C B1 98 6F 9E

■eâpè9N(İ11±■o■

00003ED0: B1 3C FF 2A AA 06 44 3F E7 8D F5 86 28 C2 E9 EF

±<ÿ*²■D?ç■ö■(âéİ

00003EE0: FA DC C0 86 B6 06 01 71 C7 8A 70 A8 32 FA BA 24

úÜÄ■q■q■q■p"2úe\$

00003EF0: 2C 01 3B C8 42 13 8A 95 7C BF 2D D9 E9 0C 63 7D

,■;ÈB■■■|■;-Üé■c}

00003F00: 05 B1 DF AB 08 76 A8 C3 DF 6F DE C6 42 F7 25 50

■±0<■v"âöopæB÷%P

00003F10: D6 CB D3 D6 D5 53 0E 4D B4 07 CF 80 EA 79 A8 38

ÜËÜÜÜS■M'■Y■êy"8

00003F20: BC B1 8C D4 B2 B1 F5 4D 18 D1 81 F5 67 3D 7A 77

½±■0²±öM■Nöög=zw

00003F30: 9F BD AC 49 DB 84 96 37 C4 2A 51 0B 66 71 FC BF

■½-IÜ■■7â*Q■fqu¿

00003F40: 1F 12 D3 13 5B A5 0A 29 7E F0 9E 5B A5 ED 48 79

■■00■[¥■)~ö■[¥İHy

00003F50: 41 B1 4B AF 45 D2 CD 67 C7 29 95 A8 38 3F DD 3B

A±K_ËÜİgç)■"8?Y;

00003F60: F2 45 35 61 73 4A 54 AC D5 FD AB CB 20 8C 19 08

òE5asJT-Üý<Ë ■■

00003F70: EA 14 F6 99 F6 C1 B0 E6 AC 59 9F DC 95 FE 2D F2

ê■ö■öâ°æ-ÿÜÜ■b-ò

00003F80: 4E 13 D4 B1 2C F6 9E 96 3E C2 07 DB D3 B0 BC CB

N■0±,ö■■>â■Ü0°%Ë

00003F90: 7C A6 24 87 9E 97 46 55 7D 69 9E BD 6F 67 27 34

|¡\$■■■FU}i■½og'4

00003FA0: 0B 94 4D BD DF 09 A2 8C 18 8D 3A 0F 3D A5 12 39

■■M½0■ç■■■:■=¥■9

00003FB0: 19 D1 5B CB 32 4F 0C 16 44 C4 5B 93 28 FC 20 73

■N[Ë20■■Dâ[■(ü s

00003FC0: B9 44 47 B7 1E AB 02 9F A7 2C FE 85 0F 04 99 7B

'DG-■<■■§,b■■■{

00003FD0: 98 80 46 86 99 D1 3F 1E CB 82 A8 C2 56 0C 07 44

■F■N?■Ë"âV■D

00003FE0: B4 F0 88 17 86 AC A7 E3 5D 07 06 97 00 36 C1 8B

'ö■■■-§â]■■■6â■

00003FF0: F9 EE 2B 15 26 AB B1 AD 27 AD 20 F5 3B A5 7A 7F

ùî+■<±-'- ö;¥z■

00004000: A9 2D F7 DA FB 6F FB 2B 60 77 E9 42 6B 08 D8 E2

@-÷Üüoû+`wëBk■öâ

00004010: 09 EF C5 01 EA 20 EF 3C 2B 41 87 5B B2 ED E2 F4

■Yâ■ê İ<+A■[²İâö

00004020: A7 F0 83 53 63 38 A3 36 D4 17 51 63 52 74 2F 66

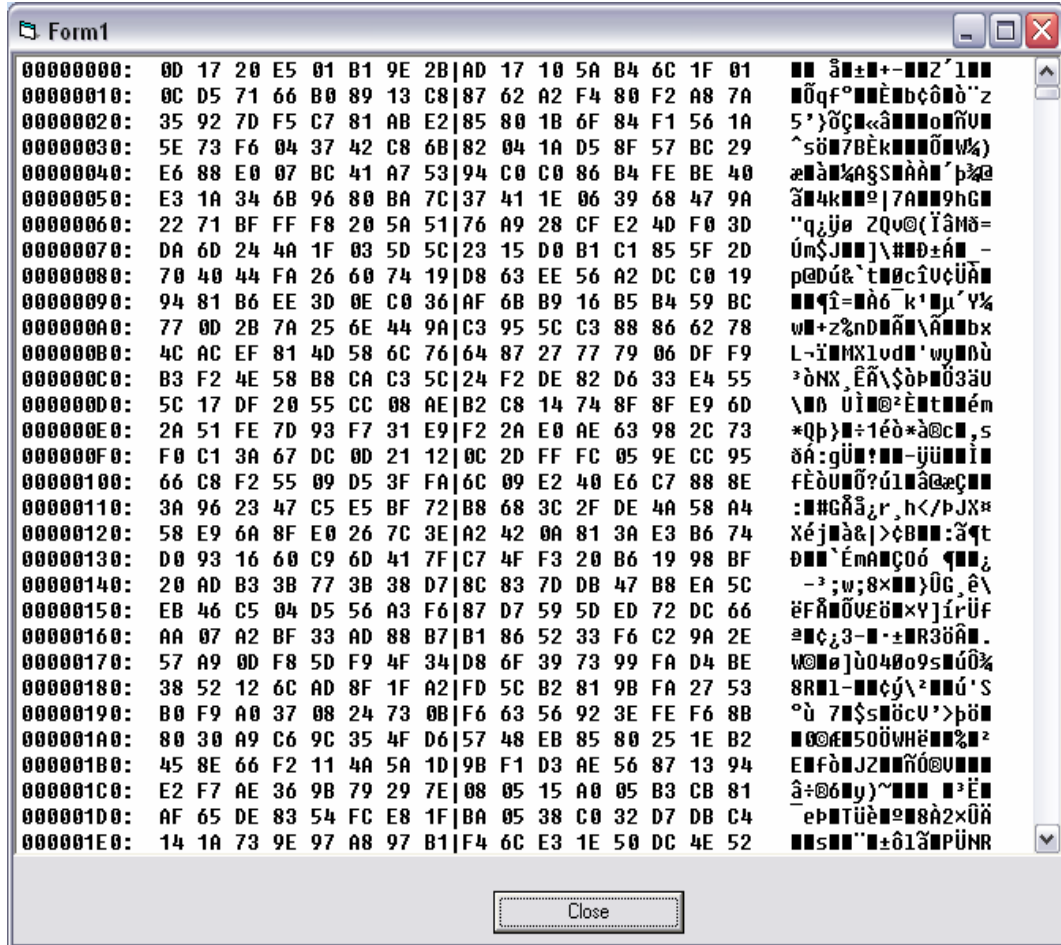
§ö■Sc8E60■QcRt/f

00004030: 72 7A 84 E1 FE 80 53 2C 73 3F 20 97 70 15

rZ■áp■S,s? ■p■

Close

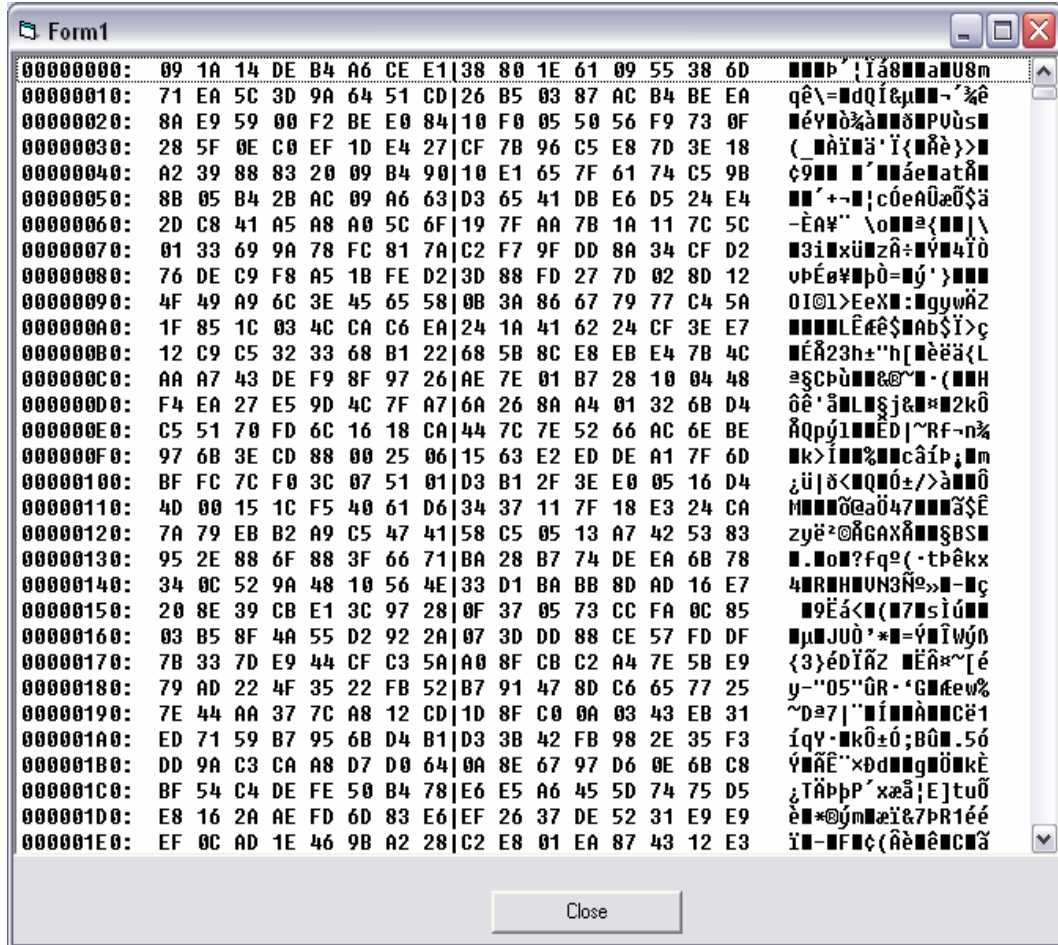
3. test3.DMC



The screenshot shows a Windows application window titled "Form1". The main area displays a hex dump of a file. The left pane shows the hex data in columns of 16 bytes, with corresponding decimal values in the right pane. The data appears to be a mix of ASCII and non-ASCII characters, including some control characters and symbols. The window has standard Windows XP-style buttons (minimize, maximize, close) in the top right corner.

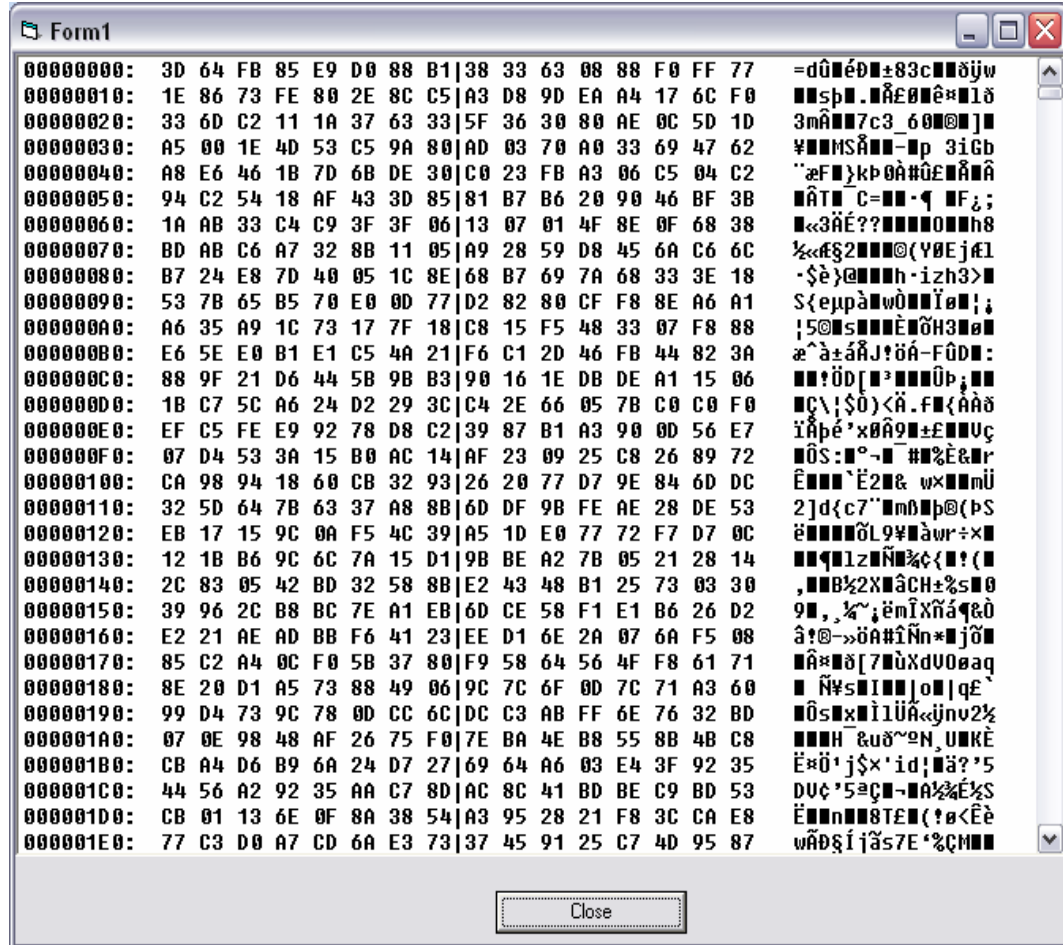
Hex Address	Hex Data	Decimal Data
00006B50:	42 5F 83 1B C7 2C 8F 01 73 C5 8A 6B A8 BA EC F6	B_ _ _ Ç, _ _ s Å k k ' o i ð
00006B60:	63 87 AB D8 90 77 A6 2A 90 73 21 B8 D6 31 61 B1	c _ < _ _ w _ _ * _ s ! , _ 0 1 a ±
00006B70:	5C BC D9 B9 E3 1F 02 3A DB 63 68 49 A6 0B E1	\ ¤ ù ' ä _ _ _ : ù ch i _ _ ¤ ¤
00006B80:	9C 7E B3 D9 06 C1 27 D7 DD 72 89 C3 55 E5 C5 CC	_ _ _ ¤ _ _ ¤ _ _ x y r _ _ ¤ ð ð ð ð ð
00006B90:	89 47 B8 A3 C9 10 B6 14 0D 22 73 10 38 EC 55 A3	_ G , _ É _ _ _ _ _ ' s _ _ ¤ ð i U E
00006BA0:	63 2B AB 34 54 25 1F CB EC 14 50 CF BC 40 71 2F	c + < < 4 T % _ _ É i _ _ P I ¤ ¤ q /
00006BB0:	E1 42 88 77 3E B2 48 96 F2 53 D9 C5 1A 85 4E 7B	á B _ w > _ _ H ¤ ð S ð ð ð ð ð N {
00006BC0:	86 45 80 8A 44 3D 68 EA 14 C3 64 A6 4B 71 A0 3F	_ _ E ¤ ¤ D = h ¤ _ _ ¤ ð i _ _ K q ?
00006BD0:	32 45 A1 E2 02 7C 3D 3B 95 93 A7 17 0B 8C FC 96	2 E , _ ¤ ¤ _ _ _ _ _ _ _ _ _ _ _ _ _ _
00006BE0:	CC D1 3D A2 03 68 8A 44 0A 2C E5 CB 08 05 91 EB	Î Ñ = ¤ ¤ h _ _ ' D _ , _ ¤ É _ _ _ _ ' è
00006BF0:	B4 59 2E DB 81 CB BA F3 FB 1E 38 F6 68 1B 17 9C	' y . ð _ _ É = ó ó _ _ ¤ ð ¤ h _ _ _ _
00006C00:	34 B8 49 FB 2E 61 B7 B2 0B 95 C6 1B 5E 30 BC D9	_ , _ ð . a - _ _ _ _ ¤ ¤ _ _ _ _ ¤ ¤ ð
00006C10:	90 7C 9E 62 D9 4C 6D 30 F7 9C 23 83 2B C1 19 AC	_ _ _ _ b ð L m ¤ _ _ _ _ _ _ _ + ¤ _ _ _
00006C20:	59 79 26 9E 29 8C D7 06 76 76 CF 68 1A 8B 0D 21	_ _ y y ¤ _ _ _ _ ¤ ¤ _ _ _ _ _ _ _ _ _ _
00006C30:	18 B2 C0 2A C8 7A C8 2B 71 44 B2 C1 0D 22 42 D5	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
00006C40:	EE F5 9E 52 DB A9 EB D1 99 B6 02 C1 0B 8C F5 06	î ð _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
00006C50:	54 67 7C 0D 3D 36 37 83 29 10 27 42 9C 6D 96 72	T g _ _ _ = 6 7 _ _ _ _ _ _ _ _ _ _ _ _
00006C60:	2D C0 FA 8F 28 E6 3C 10 78 8D 6C A1 CF 3C 10 31	- ¤ ð _ _ _ (¤ < _ _ x _ _ _ _ _ _ _ _ _ _
00006C70:	30 37 5D A4 C5 4B 07 50 E6 AC 0E FD 41 8C 3C	0 7 _ _ _ * ¤ ¤ k ¤ P ¤ _ _ _ _ _ _ _ _ _
00006C80:	85 8B 27 37 E9 9E 69 32 A2 C3 74 EC FA D7 30 C0	_ _ _ _ _ ' 7 ¤ _ _ _ _ _ _ _ _ _ _ _ _ _ _
00006C90:	2A 0F 7B D1 1C A9 FE 4C 8D 34 20 65 AD 29 CB A8	_ _ _ _ _ * _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
00006CA0:	13 90 DF 42 9C 08 3F FA 35 6C 5E 49 C1 3A BD 6F	_ _ _ _ _ ¤ ¤ ¤ B _ _ _ _ _ _ _ _ _ _ _ _
00006CB0:	C9 4E C2 FF C4 C1 C4 D2 9E 84 8A 1B 3E A4 69 ED	É N ¤ ¤ _ _ _ ¤ ¤ ¤ ¤ ¤ ¤ ¤ ¤ ¤ ¤ ¤ ¤ ¤ ¤ ¤
00006CC0:	EB 80 1F 2C 64 C2 6F 68 A1 FF 4E 08 B3 B1 4B D8	è _ _ _ _ , ¤ ¤ ¤ ¤ h _ _ _ _ _ _ _ _ _ _
00006CD0:	21 9C 8A 79 F8 5D 7A 6E EB 12 25 DE 06 0F 3C 29	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
00006CE0:	2E 01 0D D7 27 16 38 77 24 CC 4F 20 6D 2B 95 CE	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
00006CF0:	D0 10 4F AF DF CC 3D 78 EB D2 61 51 14 D1 23 2D	_ _ _ _ _ ¤ _ _ _ _ _ _ _ _ _ _ _ _ _ _
00006D00:	E6 EA DB 2B BC B4 3C FA 6A 45 53 46 2E 0D 47 04	_ _ ¤ ¤ ð _ _ + ¤ _ _ _ ¤ ¤ j E S F , _ _ G _
00006D10:	0F 39 D0 AE 47 9C 71 7A 20 05 35 58 3E CF B6 25	_ _ 9 ¤ ¤ ¤ G _ _ q z _ _ 5 X _ _ _ _ _ _
00006D20:	33 4A C1 2C A8 01 04 00 D9 AE 2C 0B A5 60 ED A7	3 J ¤ , _ _ _ _ _ ¤ ¤ , _ _ _ _ _ _ _ _

4. test4.DMC



[illegible]

5. test5.DMC



Form1

00024950: 0D 63 99 F9 60 38 39 B5|3E 22 66 5A 3E 31 F5 28

00024960: D5 E4 F6 EF 02 BF EB 08|3B 23 97 E3 C2 60 8B 85

00024970: 88 44 18 D5 A6 56 36 FA|78 0C CD 98 B2 F5 36 D0

00024980: 2B A2 1D A4 90 37 FC F6|8C 33 99 10 9D 94 F1 F2

00024990: B4 CC C6 2C AA 42 BC 76|E9 3D 6D 14 F6 55 D8 AF

000249A0: ED 79 E6 86 67 A4 A7 23|16 CC F4 E7 B5 BE 53 27

000249B0: 44 A7 AC F6 87 9C AF 44|D4 C9 85 6C A6 5E 81 C6

000249C0: 1D 32 07 E1 6F 5C 06 10|38 00 F1 BF AC 56 AA A5

000249D0: 92 1C DE 8C 3E B4 10 63|C7 59 3B DD 02 84 62 50

000249E0: 14 60 0E 26 BB 70 3D 0E|21 66 91 36 14 51 42 E9

000249F0: C8 17 9A E1 17 AB 42 38|3A 76 F3 B0 7D E1 60 4F

00024A00: 0E 38 05 5B C3 91 88 19|E2 9D C8 72 3F 8F D9 A4

00024A10: 9A E4 44 F0 59 51 F7 A4|3E 8A 26 CB 0C CE 6E 03

00024A20: 2E E6 CF 18 D5 CE 16 8E|DC 31 4C 88 A5 B5 57 7B

00024A30: 91 CE 8D E8 67 B3 91 44|98 C6 EC 4E A7 04 BB 54

00024A40: 8D F5 08 C0 7E 28 DC 6D|2D 37 77 76 BD 0A 2E 70

00024A50: C2 2E A7 90 A3 38 7D E4|27 E2 D1 B0 E2 7D B2 1E

00024A60: 9B B5 68 6B 9E 0D 1C 91|87 45 A8 21 D0 86 98 2C

00024A70: 3F 6F 63 34 7C 29 81 79|B7 00 FE 26 70 21 7C 8B

00024A80: 68 38 75 1E A5 A1 14 5A|4D 18 CB 1B FC 96 00 4A

00024A90: 52 AC E5 13 84 51 F9 FF|E5 4D 4E DD D8 D5 92 14

00024AA0: 1B B8 1C A2 E3 DF 27 20|44 B2 86 A0 EC 1D DD 9E

00024AB0: B4 42 28 F2 D4 89 DE 90|77 34 DF BA 4E 70 C4 EA

00024AC0: 3F 5C 6D 43 07 C4 8C 78|47 56 76 10 3D 30 29 B3

00024AD0: 5B 8E 40 EE 2A 60 B5 F0|A2 57 F5 5E DC 28 63 6A

00024AE0: AD B2 70 22 1C D9 48 2F|65 70 9E A5 D9 7A 94 BB

00024AF0: 73 FF 2C 2E D4 30 9E 7A|1A 86 03 17 50 90 C9 C0

00024B00: 69 04 7E 10 12 CD C5 60|48 1E 9B 68 83 D7 A5 AB

00024B10: 36 3E 65 E2 81 73 18 8A|49 29 E9 7B BA 91 4D A4

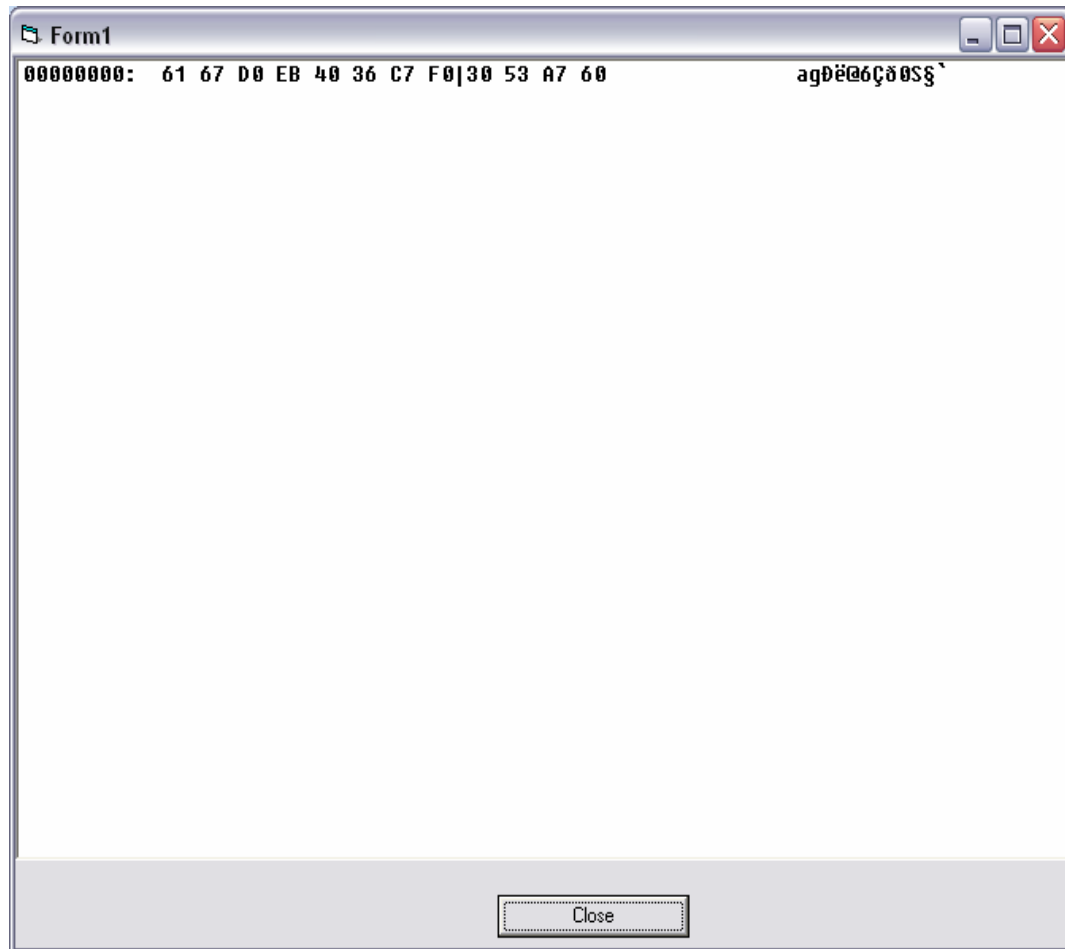
00024B20: 30 9B 9F

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0ïäöï;ë■;■äâ`■
D■0;U6úx■Í■°õ6ý
+ç■*■7üö■3■■■ñö
'ïæ,æB%vé=m■öUö`
íyæ■g■§■ñïôç;µ§S'
D§~ö■■ D0É■1;^■æ
■2■áo\■■8■ñ;~Uæ¥
'■b■>'■cçY;Y■■bP
■`■æ»p=■f'6■QBé
È■■á■■«B8:vó°}á'0
■8■[â'■äâEr?■Ü*
■áDöYQ÷*■>■æÉ■īn■
.æī■ōī■■ü1L■¥µW{
'ī■èg³'■D■æīN§■■T
■ō■â~(ūm-7wυ§■.p
â.§■E8}ä'âñ°â}²■
■µhk■■■'■E''?D■■,
?oc4|)■y-■p&p!|■
h8u■¥;■ZM■É■ü■■J
R~ä■■QüÿäMNYöō'■
■,■çäö' D²■ īY■
'B(ò0■b■w40²Npâê
?\\mC■â■xGUv■=0)³
[■æī*`µðçWõ^ü(cj
~²p''■ÜH/ep■¥Üz■»
sij,.ō0■z■■■P■Éâ
i■~■■īâ`H■■h■x¥«
6>eâ■s■■I)é{²'M■
0■■

Close

C-9

6. test6.DMC



7. test7.DMC

Form1

00000000:	61 88 46 DB CD 4E 08 D1	A9 79 36 0F 85 DB 9E B5	aFÜÍÑÑyóÜμ
00000010:	0A DA 3A 4D FC 74 88 72	18 1F 6C AD 25 6D 3F F6	Ú:MütR1-%m?ó
00000020:	CE A2 D0 D4 E1 58 92 17	11 7B 96 DC 79 60 6A 08	İçðôáx'{}üý`j
00000030:	85 0D BD 0F 37 20 CC 87	5C 1C 69 6F 6E 48 5B 52	%7 i\ionH[R
00000040:	2D F1 CF FB 8B 61 81 E0	C9 8E BC D3 80 71 84 01	-ñİÜaàÉ%óq
00000050:	7C 10 C9 38 00 41 69 B4	D0 3D D7 E0 4C 4C 89 27	É8Aai'ð=xàLL'
00000060:	A2 7C 41 25 70 9A BF 9D	7F EA 3B 18 6A 77 F3 21	ç A%p;ê;jwó!
00000070:	0A 4D 43 10 48 C5 FC 0F	DE 8E 3C 78 80 68 57 09	MCĤĤüĤ<xhw
00000080:	57 54 0E 49 13 5C 5D CF	80 71 78 C2 5F D0 23 BD	WTI\]İqxA_ð#%
00000090:	59 04 AE 9B 4A EA 7D B8	D6 26 CE 04 09 54 A6 90	Y@Jê} ð&İTT;
000000A0:	97 78 81 DE D5 D1 F6 CE	BA DC D5 7A A9 4D 1A 1B	xĤpÜÑöİºÜÖz@M
000000B0:	39 D6 BB 84 9B E4 7A 6E	A9 44 EC 37 FD 67 B3 D3	9Ü»ñzn@Dİ7ýg³ó
000000C0:	A6 21 65 C6 85 0A 59 4E	C3 BE D2 D2 DE 07 7E 96	!eĤYMA%òÜĤ~
000000D0:	A3 99 7C 86 D9 D7 A6 C7	EB 15 17 6F 05 52 C2 9B	£ĤÜ×!çĤoRRĤ
000000E0:	78 BC 4B A7 D4 37 39 8C	10 74 96 C7 9E D4 27 00	x%K\$079ttçÜ'
000000F0:	E3 65 28 F1 9F E3 98 C8	97 22 03 EE 8F CE BD E2	ãe(ñãĤĤ'İİ%â
00000100:	C3 2C 42 18 7C 16 18 44	8B 06 00 5E 97 A8 91 2A	Ĥ,B DDĤĤ'^''*
00000110:	39 5F F2 28 66 B6 EA C1	E1 C0 95 9F 3E A9 A2 45	9_ò(FqêĤĤĤ>@çE
00000120:	D0 A8 8A EC 9F 9F		ð''İ

Close

8. test8.DMC

[illegible]

Form1

000007D0:

C7 2A 32 35 AE DF BE 16 29 02 35 F6 D8 AF 0E 81

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000007E0:

BA 7B DA FA D7 75 30 90 C8 A9 1E FA 15 EB 3A 4F

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000007F0:

7D FF AC 83 34 80 22 20 DA B0 C0 97 B1 16 70 D1

>ÿ-4" °À±pÑ

00000800:

24 02 7B FC 80 F3 66 F8 E4 C1 BB 7C 8F B9 60 3D

\$üóföá»|'`=

00000810:

7E DE A9 DD A0 79 55 42 AA 19 77 A0 EE 26 2C EE

~póÿ yUB±w î&,î

00000820:

36 CB 92 78 BF DA C6 37 F9 EC A4 BF 79 B6 8A 9B

6Ë'x;úæ7ùìx;ÿ

00000830:

3E 14 18 4E 74 59 34 A7 1E D7 11 81 E7 7C 5E EF

>NtY4\$×ç|^ÿ

00000840:

BE DE 1D 48 59 C4 05 F4 EC E6 56 99 0A 03 E6 17

±pHvÄöîæU±æ

00000850:

23 F3 90 DA BA 2F E3 45 8E 94 48 01 79 94 94 C7

#óú°/æHMyç

00000860:

5C 1D 8D 30 51 45 A4 E3 B4 51 3C B1 F7 2B 04 D0

\0QE±ä'Q<±+±0

00000870:

FA C9 66 4F 42 0C 46 01 CB 69 16 9E 88 7E A9 52

úÉfOBFFëi±0R

00000880:

27 8E BB E6 CF A1 F0 52 83 35 46 C4 A1 D7 44 C8

'±æÿ;öR±5Fâ;×DË

00000890:

C4 19 CE 59 D0 43 ED 4B BC A1 E1 23 22 28 95 A1

ÄÿöCíK%;á#'(±;

000008A0:

3F 9F D1 B0 88 7B EA A1 63 B8 16 FD 2A 11 81 F0

?N°{ê;c,ÿ*±ö

000008B0:

D3 ED F7 EB 00 17 AF A1 A1 A5 53 11 9B 48 F6 99

Óí÷ë± ;;±S±H0

000008C0:

AD 93 5B 22 67 2B F0 27 5F B2 A8 C7 39 B9 51 BA

-['g+ö' ±'Ç9'Q°

000008D0:

EA 62 2B 12 0B 1A FC 0E 5F 56 87 74 E4 8A 60 A5

êb+±±ü _U±t±ä±¥

000008E0:

76 C5 93 04 E4 62 6B 81 AB 88 C3 6E B1 FD 37 A3

vÄ±±äbk±«Än±ÿ7E

000008F0:

13 9E 85 3F 06 6F C1 13 FC 67 B5 03 4F 72 2A 2E

±±±?±oÄ±ügm0r*.

00000900:

D7 4D 73 D0 DA 6E D7 3B F9 44 46 9C 5F 3C EC E6

×Ms0Únx;ùDF±_<îæ

00000910:

C6 00 98 4C B8 9F 24 64 C7 5E E4 09 FE C8 A7 4D

æ±±L,±\$dÇ^±ä±pË\$M

00000920:

10 4F F4 EA 70 A7 C2 00 C9 C2 C1 B9 E3 54 69 D9

±0ôêp\$Ä±EÄÄ'±TiÜ

00000930:

1F 1F 22 78 37 E0 33 14 50 5F C0 74 D0 24 44 6E

±±'x7â3±P_Ät0\$Dn

00000940:

42 CE A7 DB 74 22 6E 5E C5 BE 16 91 B9 44 B4 57

Bÿ\$Üt''n^Ä±'±D'W

00000950:

07 E8 B2 CD 26 91 22 77 E4 DD 75 7A A5 A4 43 9D

±è±í&'±'wäÿuz¥±C±

00000960:

4F D1 2D E7 FC 1B 6A 96 12 01 38 E0 D6 25 DE 75

0Ñ-çÜ±j±±±±8ä0%pu

00000970:

F7 2F 3B 6F E4 1B C2 6C CB 8F 64 E9 1B A9 89 6B

÷/;oä±Ä1Ë±dê±0k

00000980:

4E 85 5E 2D EF A2 45 05 4C 68 99 AF 33 C4 0B C9

N±^±ÿÇE±Lh±_3Ä±É

00000990:

C9 BE 8D BE A9 56 3D 6A 9B EC 3B 8D 4B 70 5B 55

É±±±0V=±j±ì;±Kp[U

000009A0:

C0 5C 86 03

Ä\±±

Close

9. test9.DMC

Form1

00000000:	71 82 47 0A 8A B4 8F 84	CD 7F D5 2F 66 02 F6 41	qG'''IÖ/föA
00000010:	3A 38 6A B3 A4 88 4C BB	C6 E8 D7 66 01 D3 FE A0	:8j³»L»Æè×fööp
00000020:	5D A6 51 94 3A FE 50 94	72 E7 67 F3 23 8E 31 E9	]!Q:þPrcgó#1é
00000030:	3B 40 89 68 8D FD 04 DA	06 EA 8F B3 10 CA 6B D1	;@hñýÜÜê»Ækñ
00000040:	1E 65 1B 00 E0 F5 7F 53	33 00 40 72 56 F7 AD 34	■e■àö■S3■@rV÷-4
00000050:	1E 91 DD 55 AC C6 6B 71	EB 6F EF A9 80 C0 AF 71	■'YU-ÆkqëoY@Ä-q
00000060:	8E 0E 3B C7 87 5C 5E 80	D4 16 19 E8 4E ED 5F 22	■;Ç\`"Ö■èNí "
00000070:	3A 64 A8 70 9B FA 1B 9B	B5 25 01 4A 6A D6 E4 90	:d"püüµ%Jjüä
00000080:	C5 BA 80 E3 CE F0 48 F7	C3 3B 65 23 9B 63 C8 93	ñºñäIðH÷ñ;e#ñcÈ
00000090:	F3 FF 14 D4 55 F7 62 14	57 AB 6E 75 EE 1E B3 0E	óÿÜU÷bW«nuí»■
000000A0:	7D 0C 65 26 D9 4A E6 E4	B4 9C 2B E7 50 B7 1A EC	>■e&ÜJæä'■+çP-■ì
000000B0:	0D 92 CD 6A EC 6B 49 FA	79 4B 1A 47 CF FA 80 27	■'IjìkÍúyKñGÍú'
000000C0:	5F 87 30 8E D2 5D 29 8A	5E 44 E2 1C 04 98 36 10	■0Üj)■^Dâ■6■
000000D0:	21 49 C6 0F 33 48 DB 7F	4F 55 D4 17 B9 02 7E 85	?IÆ#3HÜÜOUÜÜ'■~■
000000E0:	42 8E DE 0A 81 1A E0 A5	20 0D EC C1 57 35 7C EA	B■b■à¥ ■ìÁW5 ê
000000F0:	FF 5A AF 82 D4 EA FE A2	C3 8D CE DD C9 7C AB 58	ÿZ'ÜêþçÄIYÉ «X
00000100:	9B C4 B2 2A 13 0A D9 C9	8E 54 8D 35 9F B1 C5 9D	■ñ²*■ÜÉ■T■5■±ñ
00000110:	09 16 BD 01 7F 9A 8D 87	00 8C 73 8B 75 D5 2D F0	■%■s■uÖ-ð
00000120:	B3 8E 6C 98 37 5C 70 AC	21 31 38 5C 8C C8 B7 0F	³■l7\p-?18\È-■
00000130:	93 56 90 CE 66 7C 54 ED	AC 9A B9 A4 D9 0D 69 8B	■U■I F Tí-■'»Üi■
00000140:	4A DC C0 14 94 B3 D6 61	FB 10 C3 9F 1F 20 13 8E	JÜÄ■³ÜaÜÄ■ ■
00000150:	9D C3 A1 BB 5E 8E 77 D3	BA 7D 0A 47 19 85 99 32	■ñ;»^"wÜº}■G■2
00000160:	E4 BE 1D 97 BF 3C DA F4	76 D5 22 1B C3 A3 53 2C	ä%■; <ÜöüÜ'"ÄES,
00000170:	5C 84 E0 2E 0F 65 37 35	57 83 A0 5E 14 0B 89 0E	\■ä.■e75W■ ^■
00000180:	FE AE BF C5 17 F0 EB E1	46 1F 5F D9 B1 95 E3 78	þ@;ñ³ððäF■ Ü±■äx
00000190:	DA 0E D1 DF 08 2A 3C 3E	86 A2 BD EF 8C E2 65 A5	Ü■ñÜ* < > ■ç½Yäe¥
000001A0:	7A A3 14 75 DE 75 3A A8	99 A8 BD A6 3E E1 C4 80	zEÜbu: "'½ >äñ
000001B0:	69 BD C7 30 6A F5 B8 1F	33 B1 28 36 A6 39 4E 7B	i½Ç0jÖ, ■3±(6 9N{
000001C0:	EE E8 0F 72 2D E5 67 D2	10 EC 23 E6 F4 EE 28 C8	îè■r-äqÜüi#æôî(È
000001D0:	08 93 F9 FD 96 3A D2 3C	6E 9B 39 4E F1 1F B1 EB	■Üý:Ü<n9ññ±ð
000001E0:	5F 5A 60 AA 56 6B 52 E8	8B 4F 6E 8B EC 3A 1C 08	Z`aUkRèÜnñì:■

Close

10. test10.DMC

Form1

00000000:	49 1D 07 FA A9 EA B3 8F	87 28 A9 FF B0 25 D3 E5	I███úôê³██(ôj°%0đ
00000010:	56 6B 25 BF 8C 71 0E 55	B1 7C 44 71 7E E9 B4 1B	Uk%¿██q██U± Dq~é'██
00000020:	EF 17 6C B6 31 F7 B7 80	F6 C9 B4 F3 26 78 15 EE	ÿ██1¶1÷·██öE'ô&x██î
00000030:	2E 4A A5 73 FD 3D 97 35	69 D7 F4 30 41 04 48 1A	.J¥sý=██5i×ô0A██H██
00000040:	27 A2 23 E8 C4 FD 51 8E	5C F3 A5 B5 B9 3D A8 E7	'ç#èÁýQ██\ó¥µ'="ç
00000050:	42 E9 AA 99 55 59 25 9D	C4 D4 D1 0C 9A 7F D3 73	Béä██UY%██ÁôN██0s
00000060:	2A C9 B8 9C 28 38 6A 78	F7 3D 9B 76 87 82 87 C1	*É,██(8j×÷=██u███Á
00000070:	E9 8C 70 DF D6 08 F1 87	AB 32 47 A9 9E BB 9E C8	é██p00███"██2G@██»██È
00000080:	CF 56 59 9B FF B0 1A 47	E4 8A 5E DD 68 EB 12 55	ÿU¥██j°██Gä██^Vhè██U
00000090:	2B F8 95 65 EA B8 E5 27	6A EC 1B 9C 29 4D 54 CD	+ø██eê,ä'jì██)MTí
000000A0:	29 AF CE 74 DC 7A 10 4A	59 20 B3 55 0D 2F A9 97	) ÿtÛz██JY °U██/@██
000000B0:	65 72 21 FC 2D 90 E8 92	48 BA 36 27 5C 25 49 C0	er†ü-██è'H96'\%IÄ
000000C0:	84 E9 43 A6 E1 96 F4 AC	F6 E9 15 F2 6F 99 81 8B	██éC;á██ô-ôé██òo███
000000D0:	D3 65 85 A6 33 99 7A C0	1D 61 D8 00 4D 11 CD DD	óe██!3██zÄ██aÜ██H██ÍY
000000E0:	28 47 10 E8 C5 44 8C F7	27 3F 3F B7 F4 7F DB 11	(G██èÄD██÷'??-ô██Ü██
000000F0:	69 D3 05 83 44 A2 B8 16	E4 62 5E DC DE 4E E8 68	i0██Dç,██äb^ÛpNèh
00000100:	AA D2 B3 E2 A1 E7 06 88	DD 30 6A 59 D5 2D EF C7	ä0³ä;ç██Y0jY0-ÿç
00000110:	F0 B6 33 9D 6A 3F CF 65	23 FC D0 8C 20 6B 64 52	ð¶3██j?ÿe██ü0██ kdR
00000120:	E4 E4 57 4F DC 16 F0 8B	27 BF 49 59 69 C3 87 4C	ääw0Ü██ö██';IYiÄ██L
00000130:	16 B8 FA 9B 6C 96 C5 32	E3 F8 BF 9B F6 1B E3 69	██,ú██l██Ä2äö;██ö██Äi
00000140:	43 C6 98 52 FD 2A 28 2A	4C AA C9 E6 E9 CE EA B4	CÄ██Rý*(LäEæéîê'
00000150:	D8 F1 93 B6 FC F2 8F EC	19 82 F4 90 6C 53 70 9B	ø████¶üò██ì███ô██lSp██
00000160:	D5 7F C6 25 DC 70 66 8D	8B 91 4F C3 9D EB 04 BE	õ██Ä%Ûpf███'0Ä██ë██%
00000170:	49 85 AF 84 D0 FB D3 89	44 BA A8 D3 1B DC EE 97	I██"██Y00██D°"0██Ü██î██
00000180:	FA 9C 6F B3 0D 53 92 17	36 66 A9 65 C6 93 EB 84	ú██o³██S'██6F@e██Ä██è██
00000190:	D5 6A 27 94 C9 F2 FD CF	1B D2 F0 9C 22 E0 25 FC	Ûj'██Éòýÿ██òö██"à%ü
000001A0:	09 7F AC 0C 8E C8 29 D2	41 BC CC 8A AE 09 37 F5	███-███É)0A%î██@██7ö
000001B0:	5D BA A5 9F 30 69 49 A8	9B DE BF 35 2C 15 5E A0	j°¥██0iï'██b;5,██^
000001C0:	CD 94 EF 15 EB 04 F7 92	20 90 E2 24 F4 C5 23 3F	I██ÿ██è██÷'██ä\$ôÄ#?
000001D0:	44 C0 3C 57 9D 64 53 02	67 0E 34 37 AB 5D F6 A7	DÄ<W██dS██g██47<<Jö§
000001E0:	A2 12 8D E2 CE 6F 27 A2	49 B0 84 52 46 83 CA D0	ç██Äïo'çI°██RF██ÈD

Close

The screenshot shows a hex editor window titled "Form1". The main area is divided into two columns. The left column contains hexadecimal data, and the right column contains the corresponding ASCII characters. The data is organized in rows, with the left column showing memory addresses (e.g., 000014C10:, 000014C20:, etc.) and the right column showing the characters represented by those bytes. The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

Hex Address	Hex Data	ASCII Data
000014C10:	76 AE 86 BF 85 EC 87 49 6C DB 42 25 85 79 9C 9F	v000014C10B%y000
000014C20:	62 AC FE 42 E5 E5 C0 31 82 36 39 C0 07 80 EB 46	b-b000014C10B%y000
000014C30:	FF 78 6D CE 89 40 DA 3A 33 CC B7 80 78 37 FB 4E	000014C10B%y000
000014C40:	54 92 91 97 9A C2 A9 11 C9 CF 06 9D DE 10 D4 72	T'000014C10B%y000
000014C50:	6D CD 56 20 E8 3B 73 EF 8B 2E 13 8C DD AF 04 4B	mIV 000014C10B%y000
000014C60:	15 93 16 60 28 F5 B7 E2 50 CF 43 21 30 E6 75 A8	000014C10B%y000
000014C70:	99 CE 11 AD AC 2D BE 08 DB 31 AE 42 FD BE 4F 4A	000014C10B%y000
000014C80:	43 BB 04 A1 80 8C 3A 3E 87 4E C8 B4 E6 12 53 85	C000014C10B%y000
000014C90:	11 A3 A4 BA 84 4F 83 B8 20 F4 A7 8B 29 C8 BC 1D	000014C10B%y000
000014CA0:	D9 CD BB 58 9F C6 F9 1A 3D 21 CC 60 49 BF AA 99	000014C10B%y000
000014CB0:	68 08 28 06 AA 39 8A 1A 9C 5A B4 3E 2A F6 AF 7D	000014C10B%y000
000014CC0:	7A EE 55 12 8E 12 F7 62 50 13 12 F7 F8 34 0D 69	000014C10B%y000
000014CD0:	F4 0A DE 28 03 71 CA 9A F4 AB EA 91 59 29 71 52	000014C10B%y000
000014CE0:	7B D3 60 DE DC 4C 04 6D 2C 7D 66 77 5C 2A 76 6C	000014C10B%y000
000014CF0:	0B DD 6E D9 07 2C 76 A6 F5 6F 59 67 76 60 22 99	000014C10B%y000
000014D00:	0D 48 BA FD FF B1 88 4A 2F 03 52 E7 48 AC 3F 1D	000014C10B%y000
000014D10:	34 50 41 1B 04 A9 4C 64 00 32 34 E1 A8 D6 27 7C	000014C10B%y000
000014D20:	87 9A 9F 1D 41 FF D6 5F DF 04 76 C6 04 2D 88 05	000014C10B%y000
000014D30:	38 AA DC C2 91 8B 0F 82 00 05 2B 54 B3 C5 23 74	000014C10B%y000
000014D40:	6F FB 2F 99 89 62 FE 8F 72 7B F1 8E BD 0B 90	000014C10B%y000
000014D50:	1A CF 84 3B A4 46 7C F2 CF A9 93 3A 1B F1 3E 9B	000014C10B%y000
000014D60:	DE 3A 92 6C B0 CB A3 94 6F 65 E3 75 12 3E D1 4E	000014C10B%y000
000014D70:	6C 24 D0 78 72 37 2F 24 99 6F 5E F2 48 AA D3 9D	000014C10B%y000
000014D80:	50 54 71 61 2F 76 7E F0 A9 40 FA B9 E5 E4 4C 68	000014C10B%y000
000014D90:	21 4F 05 39 20 0C EE E5 F5 DA 41 05 30 5C 7A E7	000014C10B%y000
000014DA0:	0C D4 7C 72 36 B4 6A A3 2E 90 CF A5 13 3B 36 A6	000014C10B%y000
000014DB0:	85 4F E8 52 1E FE 92 3A C1 EE 66 6A 6C DF 05 9D	000014C10B%y000
000014DC0:	BE 92 B3 DC AC E1 0F 10 A9 AC 9F 67 DA 58 2D 6A	000014C10B%y000
000014DD0:	54 2E FD F7 02 FD E3 41 97 AF 93 CB 20 D0 E5 97	000014C10B%y000
000014DE0:	4D F0 A4 43 E1 F3 7F	000014C10B%y000

LAMPIRAN D
Dynamic Markov Compression pada kata “abang”

LAMPIRAN D
Dynamic Markov Compression pada kata “abang”

X	char	i	bitset	state	zero	one	lowvalue	midvalue	highvalue	rangevalue	output
							0000 0000 0000 0000 0000 0000		1111 1111 1111 1111 1111 1111	1111 1111 1111 1111 1111 1111	
0	97	0	0	0	1	1	0000 0000 0000 0000 0000 0000	1000 0000 0000 0000 0000 0000	1000 0000 0000 0000 0000 0000	1000 0000 0000 0000 0000 0000	--
		1	1	1	1	1	0100 0000 0000 0000 0000 0000	0100 0000 0000 0000 0000 0000	1000 0000 0000 0000 0000 0000	0100 0000 0000 0000 0000 0000	--
		2	1	4	1	1	0110 0000 0000 0000 0000 0000	0110 0000 0000 0000 0000 0000	1000 0000 0000 0000 0000 0000	0010 0000 0000 0000 0000 0000	--
		3	0	10	1	1	0110 0000 0000 0000 0000 0000	0111 0000 0000 0000 0000 0000	0111 0000 0000 0000 0000 0000	1000 0000 0000 0000 0000 0111	011
		4	0	21	1	1	0000 0000 0000 0000 0000 0000	0100 0000 0000 0000 0000 0100	0100 0000 0000 0000 0000 0100	1000 0000 0000 0000 0000 1001	0110
		5	0	43	1	1	0000 0000 0000 0000 0000 0000	0100 0000 0000 0000 0000 0100	0100 0000 0000 0000 0000 0100	1000 0000 0000 0000 0000 1001	01100
		6	0	87	1	1	0000 0000 0000 0000 0000 0000	0100 0000 0000 0000 0000 0100	0100 0000 0000 0000 0000 0100	1000 0000 0000 0000 0000 1001	011000
		7	1	175	1	1	0100 0000 0000 0000 0000 0100	0100 0000 0000 0000 0000 0100	1000 0000 0000 0000 0000 1001	0100 0000 0000 0000 0000 0101	011000
1	98	0	0	0	2	1	0100 0000 0000 0000 0000 0100	0110 1010 1010 1010 1011 0010	0110 1010 1010 1010 1011 0010	1010 1010 1010 1010 1011 1011	01100001
		1	1	1	1	2	0011 1000 1110 0011 1010 0100	0011 1000 1110 0011 1010 0100	1010 1010 1010 1010 1100 1011	0111 0001 1100 0111 0010 0111	01100001
		2	1	4	1	2	0101 1110 1101 0000 1011 0001	0101 1110 1101 0000 1011 0001	1010 1010 1010 1010 1100 1011	0100 1011 1101 1010 0001 1010	01100001
		3	0	10	2	1	0101 1110 1101 0000 1011 0001	1001 0001 0110 0010 0001 1000	1001 0001 0110 0010 0001 1000	0011 0010 1001 0001 0110 0111	01100001
		4	0	21	2	1	0101 1110 1101 0000 1011 0001	1000 0000 1000 0110 1111 0110	1000 0000 1000 0110 1111 0110	0010 0001 1011 0110 0100 0101	01100001
		5	0	43	2	1	0101 1110 1101 0000 1011 0001	0111 0101 0100 1010 0011 0100	0111 0101 0100 1010 0011 0100	0101 1001 1110 0110 0000 1111	01100001 01
		6	1	87	2	1	1011 0111 0011 0001 0111 1001	1011 0111 0011 0001 0111 1001	1101 0101 0010 1000 1101 0011	0011 1011 1110 1110 1011 0101	01100001 011
		7	0	176	1	1	0110 1110 0110 0010 1111 0010	1000 1100 0101 1010 0100 1100	1000 1100 0101 1010 0100 1100	0001 1101 1111 0111 0101 1010	01100001 011
2	97	0	0	0	3	1	0110 1110 0110 0010 1111 0010	1000 0100 1101 1100 0111 0110	1000 0100 1101 1100 0111 0110	0001 0110 0111 1001 1000 0100	01100001 011
		1	1	1	1	3	0111 0100 0000 0001 0101 0011	0111 0100 0000 0001 0101 0011	1000 0100 1101 1100 0111 0110	0001 0000 1101 1011 0010 0011	01100001 011
		2	1	4	1	3	0111 1000 0011 1000 0001 1100	0111 1000 0011 1000 0001 1100	1000 0100 1101 1100 0111 0110	0000 1100 1010 0100 0101 1010	01100001 011
		3	0	10	3	1	0111 1000 0011 1000 0001 1100	1000 0001 1011 0011 0110 0000	1000 0001 1011 0011 0110 0000	0000 1001 0111 1011 0100 0100	01100001 011
		4	0	21	3	1	0111 1000 0011 1000 0001 1100	0111 1111 0101 0100 1000 1111	0111 1111 0101 0100 1000 1111	1110 0011 1000 1110 0111 1111	01100001 01101111
		5	0	43	3	1	0000 0111 0000 0011 1000 0000	1011 0001 1010 1110 0101 1111	1011 0001 1010 1110 0101 1111	1010 1010 1010 1010 1101 1111	01100001 01101111
		6	0	87	2	2	0000 0111 0000 0011 1000 0000	0101 1100 0101 1000 1111 0000	0101 1100 0101 1000 1111 0000	1010 1010 1010 1010 1110 0001	01100001 01101111 0
		7	1	175	1	2	0100 0110 1110 1010 1010 0000	0100 0110 1110 1010 1010 0000	1011 1000 1011 0001 1110 0001	0111 0001 1100 0111 0100 0001	01100001 01101111 0
3	110	0	0	0	4	1	0100 0110 1110 1010 1010 0000	1010 0001 1111 0000 0110 1110	1010 0001 1111 0000 0110 1110	0101 1011 0000 0101 1100 1110	01100001 01101111 0
		1	1	1	1	4	0101 1001 0001 1110 1111 1100	0101 1001 0001 1110 1111 1100	1010 0001 1111 0000 0110 1110	0100 1000 1101 0001 0111 0010	01100001 01101111 0
		2	1	4	1	4	0110 0111 1010 1111 0100 0110	0110 0111 1010 1111 0100 0110	1010 0001 1111 0000 0110 1110	0011 1010 0100 0001 0010 1000	01100001 01101111 0
		3	0	10	4	1	0110 0111 1010 1111 0100 0110	1001 0110 0100 1001 1100 1100	1001 0110 0100 1001 1100 1100	0010 1110 1001 1010 1000 0110	01100001 01101111 0
		4	1	21	4	1	1000 1100 1111 0111 1011 0001	1000 1100 1111 0111 1011 0001	1001 0110 0100 1001 1100 1100	0100 1010 1001 0000 1101 1111	01100001 01101111 0100

		5	1	44	1	1	1000 1101 0000 0101 1111 1000	1000 1101 0000 0101 1111 1000	1011 0010 0100 1110 0110 0111	1001 0101 0010 0001 1011 1111	01100001 01101111 010010
		6	1	90	1	1	0111 1110 1010 1000 1100 0000	0111 1110 1010 1000 1100 0000	1100 1001 0011 1001 1001 1111	0100 1010 1001 0000 1101 1111	01100001 01101111 010010
		7	0	182	1	1	0111 1110 1010 1000 1100 0000	1010 0011 1111 0001 0011 0000	1010 0011 1111 0001 0011 0000	0010 0101 0100 1000 0111 0000	01100001 01101111 010010
4	103	0	0	0	5	1	0111 1110 1010 1000 1100 0000	1001 1101 1011 1010 0111 0011	1001 1101 1011 1010 0111 0011	0001 1111 0001 0001 1011 0011	01100001 01101111 010010
		1	1	1	1	5	1000 0011 1101 0110 0101 1110	1000 0011 1101 0110 0101 1110	1001 1101 1011 1010 0111 0011	1100 1111 0010 0000 1010 1111	01100001 01101111 01001010 0
		2	1	4	1	5	0100 0001 0011 1000 0110 0010	0100 0001 0011 1000 0110 0010	1110 1101 1101 0011 1001 1111	1010 1100 1001 1011 0011 1101	01100001 01101111 01001010 0
		3	0	10	5	1	0100 0001 0011 1000 0110 0010	1101 0001 0000 1111 0001 0101	1101 0001 0000 1111 0001 0101	1000 1111 1101 0110 1011 0011	01100001 01101111 01001010 0
		4	0	21	4	2	0100 0001 0011 1000 0110 0010	1010 0001 0001 1100 1101 1001	1010 0001 0001 1100 1101 1001	0101 1111 1110 0100 0111 0111	01100001 01101111 01001010 0
		5	1	43	4	1	1000 1101 1110 1111 0010 1000	1000 1101 1110 1111 0010 1000	1010 0001 0001 1100 1101 1001	0100 1100 1011 0110 1100 0111	01100001 01101111 01001010 010
		6	1	88	1	1	0101 1110 0001 1000 0000 0100	0101 1110 0001 1000 0000 0100	1000 0100 0111 0011 0110 0111	0010 0110 0101 1011 0110 0011	01100001 01101111 01001010 010
		7	1	178	1	1	0111 0001 0100 0101 1011 0110	0111 0001 0100 0101 1011 0110	1000 0100 0111 0011 0110 0111	01100001 01101111 01001010 0	1001110 00101000 10110110 11011111