

A Guide to MM7 Modding
Part Three
Quest Guide
by
Big Daddy Jim
26 April, 2008

Introduction

This guide is designed to introduce the basic *requirements* for creating a new *Quest* within the Might and Magic VII gaming structure. In this final section of the Modding Guide, a new Quest will be issued by Rathbone to retrieve the *Ring of Rathbone* and return it to him in the Two Palms Tavern. The Ring will be placed in a 'locked' *crate* on Emerald Island. Rathbone will give the crate key to the party upon issuing the Quest. In order to generate this Quest, the following activities will be performed in this guide.

1. Create two new items – *Crate Key* and *Rathbone's Ring*.
2. Add *Rathbone's Ring* to crate (chest).
3. Modify *open chest event* to open crate only if key present (CodeSnippet3).
4. Complete *Global Quest Event* so that Rathbone will (1) issue the *Quest*, (2) give crate key, and (3) provide rewards upon quest completion (*CodeSnippet4*).
5. *Parse and comment CodeSnippet4* and make the necessary changes to correct several event 'bugs'.

Orientation

Quests are a combination of *local* and *global events* that constitute the primary game *instrument* used to direct, equip, and guide the party towards game completion. A quest may be a simple, single-task event or may consist of a complex series of activities leading towards quest completion. Quest completion may be evaluated through the *possession* of a *Quest Item*, the *status* of a *Quest Bit*, by *triggering* a *local event* that indicates reaching a given map-area location or map feature, or similar accomplishments.

Quest Item *possession* is the most common means used to determine quest completion. The quest *task* directs the party to retrieve a given item and return to the quest-giver. The *Quest Code* must evaluate the entire party to determine if the item is present and proceed appropriately. The following code excerpt is normally used for this evaluation.

```
05xxxxxx 2305 Modify next by member 5 [evaluate entire party]
0Bxxxxxx 0E11 00yyyy00 zz Branch to zz if item yy present
```

Quest Bit *status* may be used to determine quest completion. The quest *task* directs the party to pray at an altar, to talk with a specific NPC, to clear an area of *hostiles*, or similar tasks. The task 'activity' is 'coded' to set a specific QBit which is evaluated by the quest-giver to determine quest completion.

Quest Bits, or QBits, may be *silent* or *announced*. An *announced* QBit makes a Quest Log entry; a *silent* QBit does not. *Silent Qbits* are used to keep track of *game progress*.

Local Event *triggering* may be used to indicate quest completion. The party may be directed to locate a given local 'feature' such as a pedestal, map coordinate, or other local sprite/graphic. When the party reaches the destination or selects the 'feature', the quest-giver 'mysteriously' appears and grants quest completion.

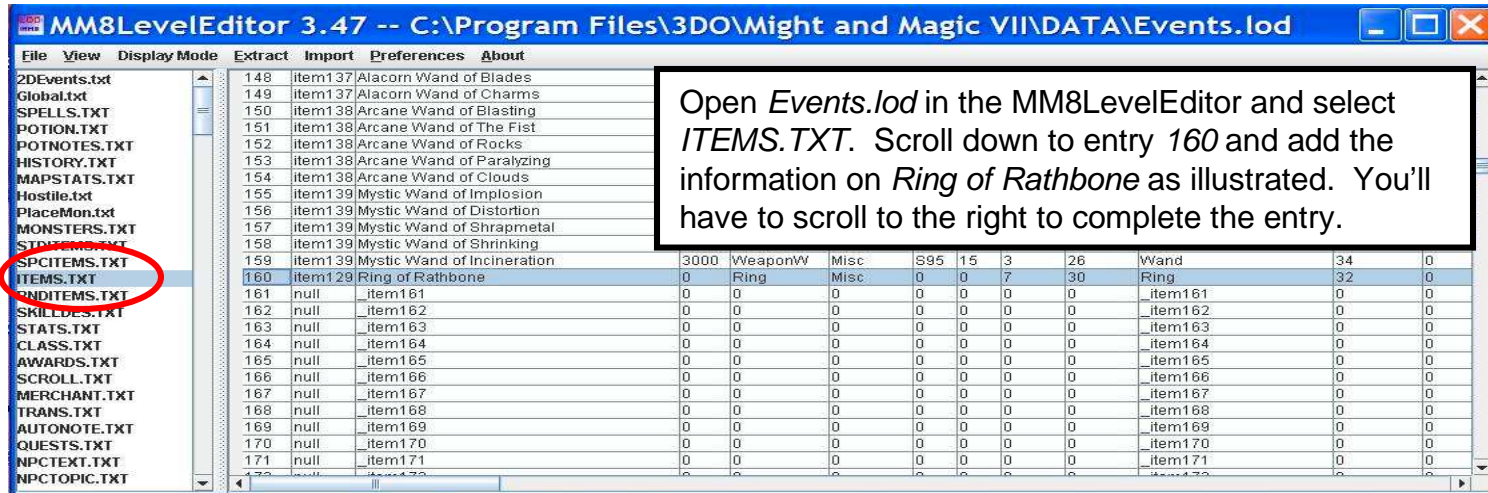
Orientation (concluded)

A Quest consists of at least one *global event* and may include one-or-more *local events* and/or quest items. The global event(s) must, as a minimum, accomplish the following goals.

- (1) Set an *announced QBit* for Quest Log entry.
- (2) Add or set all *quest enablers* such as a chest key, an item of entry (Ring of Unwarding), setting a *silent Qbit* and the-like, as appropriate.
- (3) A means to determine quest completion (normally a conditional *Branch evaluation*).
- (4) Delete all *quest enablers* and/or *quest items* upon quest completion, as appropriate.
- (5) Delete the *announced QBit* (Quest Log entry) upon quest completion.
- (6) Set a Quest Complete *announcement* to party *Awards*.
- (7) Add party *Rewards* for quest completion
- (8) Delete the *Quest Topic* from the quest-giver.
- (9) Change the quest-giver *Greeting*, as appropriate.

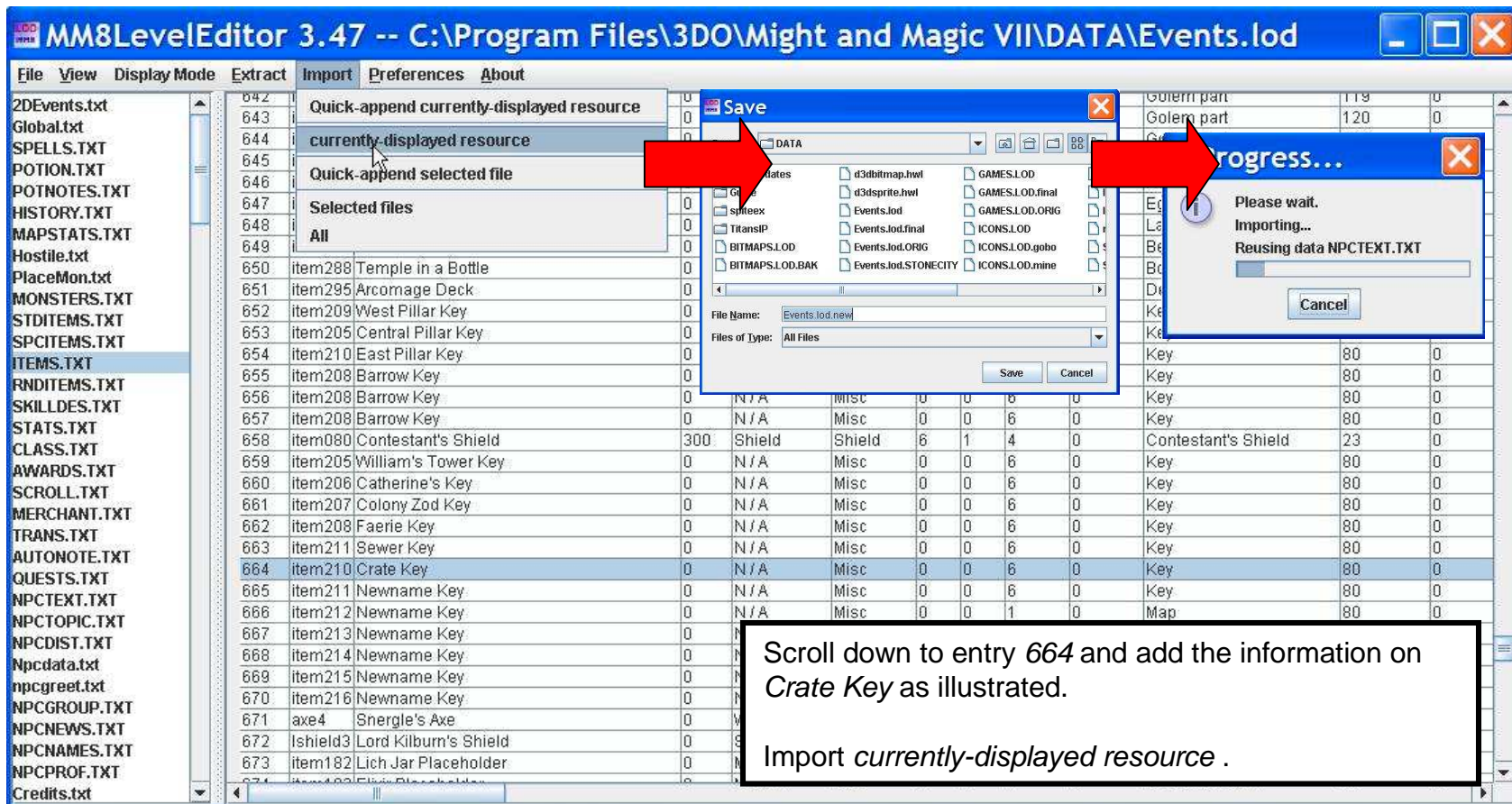
Activity 1

Create Quest Items.



Activity 1 (continued)

Create Quest Items (concluded).



Activity 1 (concluded)

Clean up files.

1. Exit the MM8LevelEditor.
2. Delete the files *Events.lod*.
3. Rename file *Events.lod.new* to *Events.lod*.
4. Proceed to Activity 2.

Activity 2

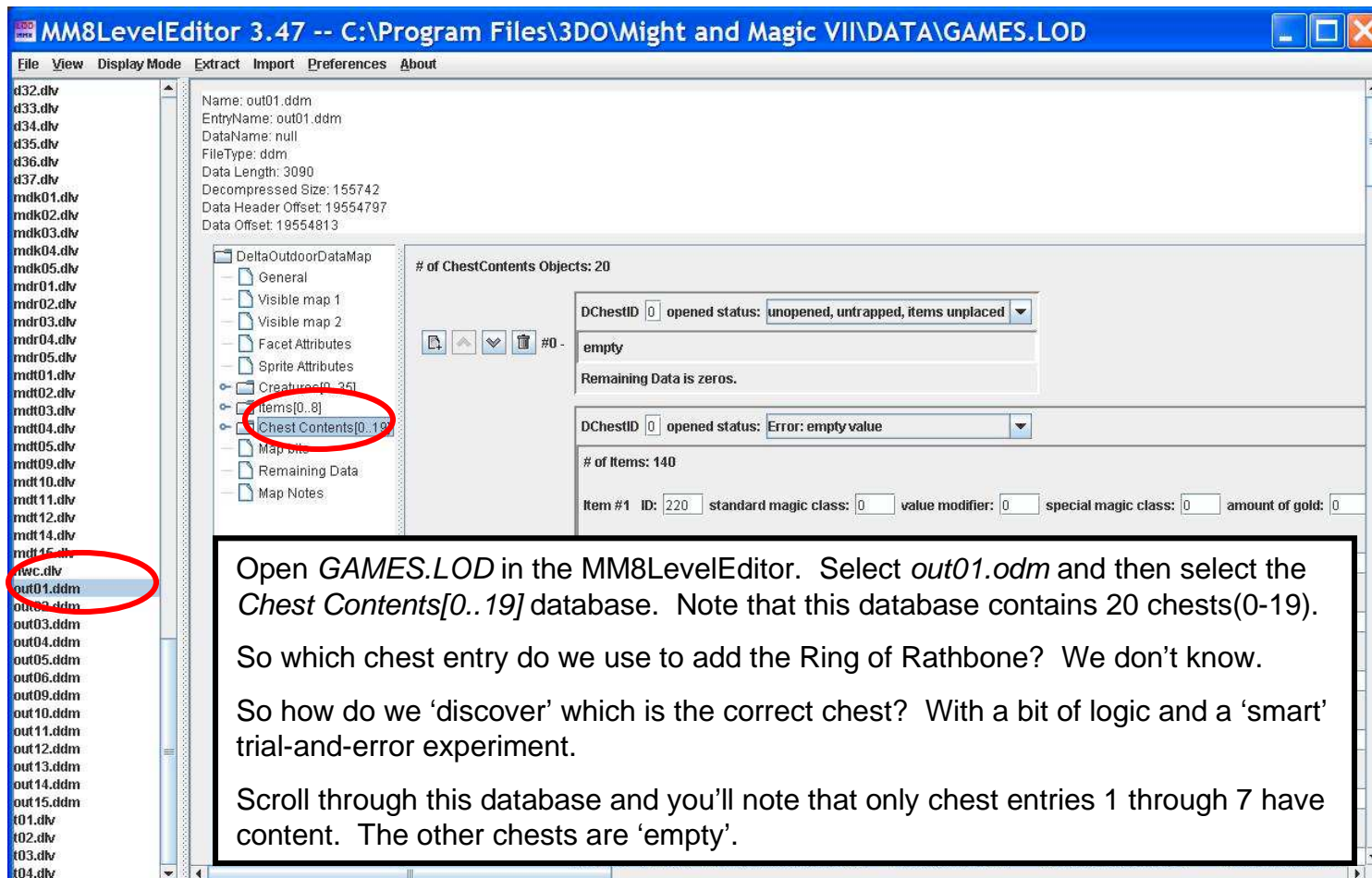
Add Ring to Crate (chest).

It's now time to locate the *crate*.

1. Launch MM7 and Start a New Game.
2. Move your party down off the dock, turn left and follow the seashore until you reach the crate (coordinates 8611, 5495).
3. It is this crate that will contain the Ring of Rathbone.
4. Exit the game and proceed to the next page.

Activity 2 (continued)

Locate *Chest Contents*.

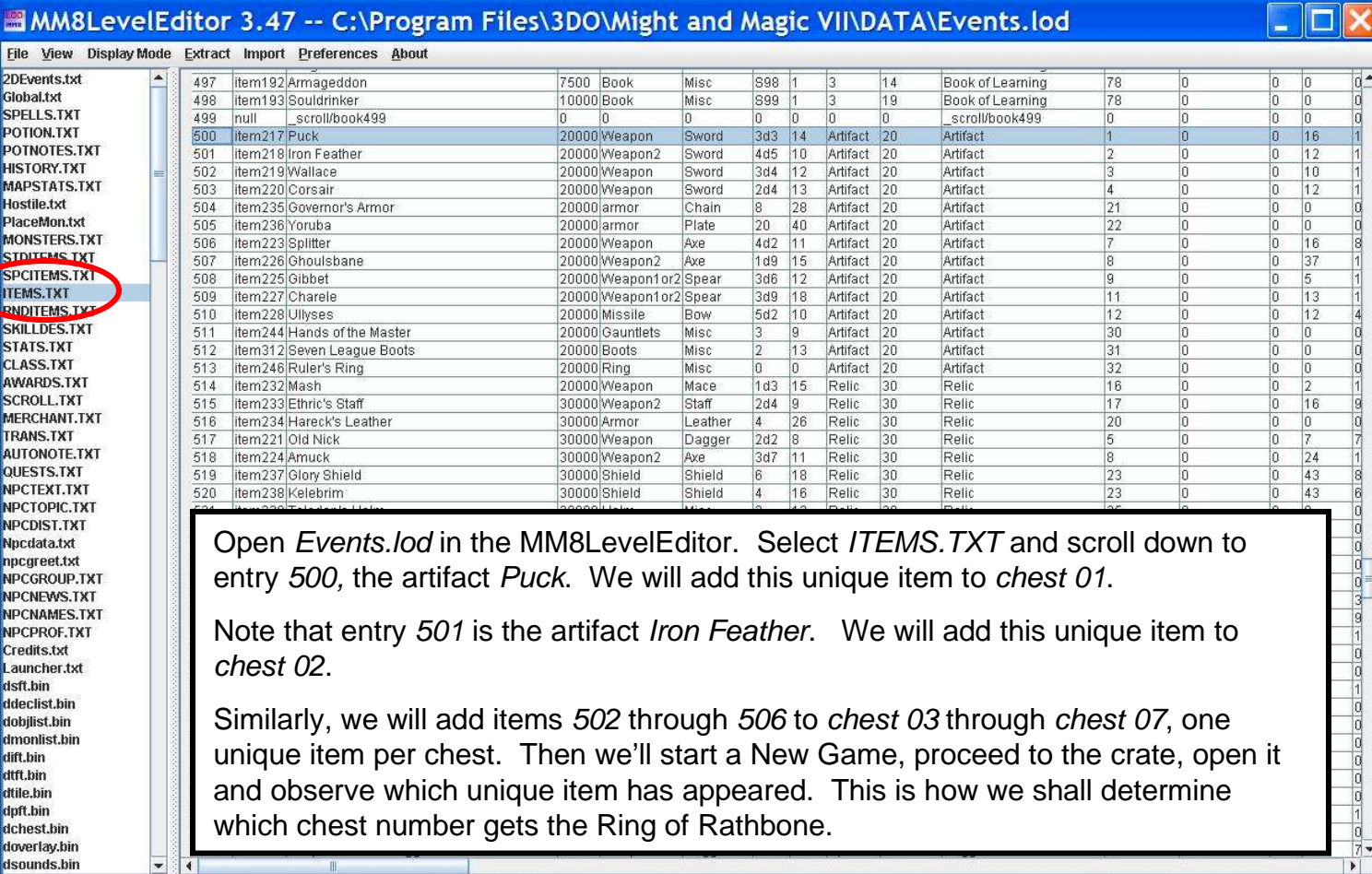


The screenshot shows the MM8LevelEditor 3.47 interface. The title bar reads "MM8LevelEditor 3.47 -- C:\Program Files\3DO\Might and Magic VII\DATA\GAMES.LOD". The menu bar includes File, View, Display Mode, Extract, Import, Preferences, and About. On the left, a file list shows various .dlv and .ddm files. The file "out01.ddm" is highlighted with a red circle. In the center, the "DeltaOutdoorDataMap" tree is visible, with "Chest Contents[0..19]" selected and circled in red. The right pane displays the properties for the selected database, showing "# of ChestContents Objects: 20". It includes fields for "DChestID", "opened status", and "empty". Below, it shows "# of Items: 140" and a table of items with columns for ID, standard magic class, value modifier, special magic class, and amount of gold.

Open *GAMES.LOD* in the MM8LevelEditor. Select *out01.odm* and then select the *Chest Contents[0..19]* database. Note that this database contains 20 chests(0-19). So which chest entry do we use to add the Ring of Rathbone? We don't know. So how do we 'discover' which is the correct chest? With a bit of logic and a 'smart' trial-and-error experiment. Scroll through this database and you'll note that only chest entries 1 through 7 have content. The other chests are 'empty'.

Activity 2 (continued)

Determine unique items.



MM8LevelEditor 3.47 -- C:\Program Files\3DOWight and Magic VII\DATA\Events lod

File View Display Mode Extract Import Preferences About

2DEvents.txt
Global.txt
SPELLS.TXT
POTION.TXT
POTNOTES.TXT
HISTORY.TXT
MAPSTATS.TXT
Hostile.txt
PlaceMon.txt
MONSTERS.TXT
STDTITEMS.TXT
SPCITEMS.TXT
ITEMS.TXT
RNDITEMS.TXT
SKILLDES.TXT
STATS.TXT
CLASS.TXT
AWARDS.TXT
SCROLL.TXT
MERCHANT.TXT
TRANS.TXT
AUTONOTE.TXT
QUESTS.TXT
NPCTEXT.TXT
NPCTOPIC.TXT
NPCDIST.TXT
Npcdata.txt
npcgreet.txt
NPCGROUP.TXT
NPCNEWS.TXT
NPCNAMES.TXT
NPCPROF.TXT
Credits.txt
Launcher.txt
dsft.bin
ddeclist.bin
dobjlist.bin
dmonlist.bin
diff.bin
dtftl.bin
dtile.bin
dpftl.bin
dchest.bin
doverlay.bin
dsounds.bin

497	item192	Armageddon	7500	Book	Misc	S98	1	3	14	Book of Learning	78	0	0	0	0
498	item193	Souldrinker	10000	Book	Misc	S99	1	3	19	Book of Learning	78	0	0	0	0
499	null	_scroll/book499	0	0	0	0	0	0	0	_scroll/book499	0	0	0	0	0
500	item217	Puck	20000	Weapon	Sword	3d3	14	Artifact	20	Artifact	1	0	0	16	1
501	item218	Iron Feather	20000	Weapon2	Sword	4d5	10	Artifact	20	Artifact	2	0	0	12	1
502	item219	Wallace	20000	Weapon	Sword	3d4	12	Artifact	20	Artifact	3	0	0	10	1
503	item220	Corsair	20000	Weapon	Sword	2d4	13	Artifact	20	Artifact	4	0	0	12	1
504	item235	Governor's Armor	20000	armor	Chain	8	28	Artifact	20	Artifact	21	0	0	0	0
505	item236	Yoruba	20000	armor	Plate	20	40	Artifact	20	Artifact	22	0	0	0	0
506	item223	Splitter	20000	Weapon	Axe	4d2	11	Artifact	20	Artifact	7	0	0	16	8
507	item226	Ghoulsbane	20000	Weapon2	Axe	1d9	15	Artifact	20	Artifact	8	0	0	37	1
508	item225	Gibbet	20000	Weapon1 or2	Spear	3d6	12	Artifact	20	Artifact	9	0	0	5	1
509	item227	Charele	20000	Weapon1 or2	Spear	3d9	18	Artifact	20	Artifact	11	0	0	13	1
510	item228	Ulyses	20000	Missile	Bow	5d2	10	Artifact	20	Artifact	12	0	0	12	4
511	item244	Hands of the Master	20000	Gauntlets	Misc	3	9	Artifact	20	Artifact	30	0	0	0	0
512	item312	Seven League Boots	20000	Boots	Misc	2	13	Artifact	20	Artifact	31	0	0	0	0
513	item246	Ruler's Ring	20000	Ring	Misc	0	0	Artifact	20	Artifact	32	0	0	0	0
514	item232	Mash	20000	Weapon	Mace	1d3	15	Relic	30	Relic	16	0	0	2	1
515	item233	Ethric's Staff	30000	Weapon2	Staff	2d4	9	Relic	30	Relic	17	0	0	16	9
516	item234	Hareck's Leather	30000	Armor	Leather	4	26	Relic	30	Relic	20	0	0	0	0
517	item221	Old Nick	30000	Weapon	Dagger	2d2	8	Relic	30	Relic	5	0	0	7	7
518	item224	Amuck	30000	Weapon2	Axe	3d7	11	Relic	30	Relic	8	0	0	24	1
519	item237	Glory Shield	30000	Shield	Shield	6	18	Relic	30	Relic	23	0	0	43	8
520	item238	Kelebrim	30000	Shield	Shield	4	16	Relic	30	Relic	23	0	0	43	8

Open *Events.lod* in the MM8LevelEditor. Select *ITEMS.TXT* and scroll down to entry 500, the artifact *Puck*. We will add this unique item to *chest 01*.

Note that entry 501 is the artifact *Iron Feather*. We will add this unique item to *chest 02*.

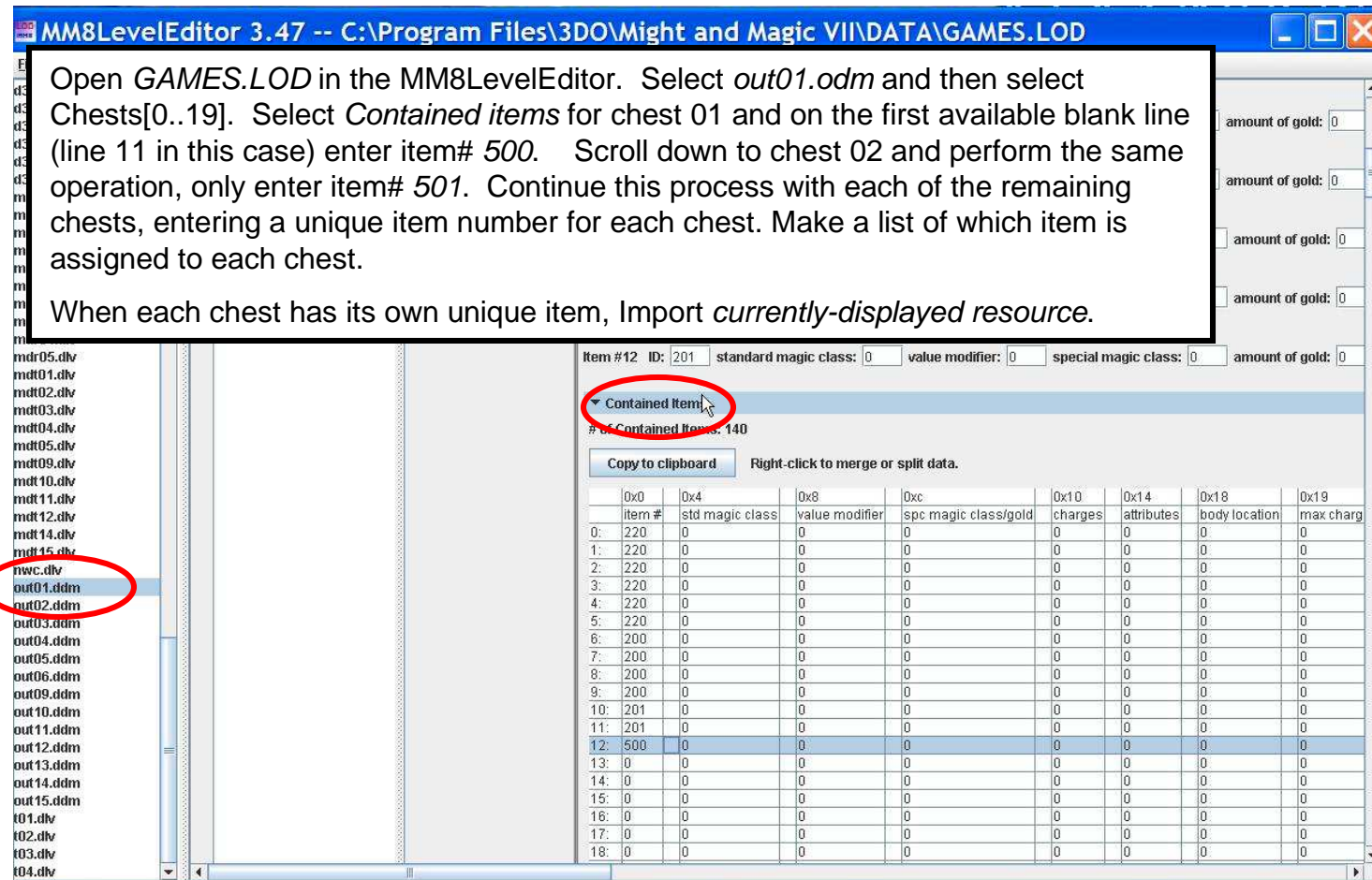
Similarly, we will add items 502 through 506 to *chest 03* through *chest 07*, one unique item per chest. Then we'll start a New Game, proceed to the crate, open it and observe which unique item has appeared. This is how we shall determine which chest number gets the Ring of Rathbone.

Activity 2 (continued)

Add a unique item to each chest.

Open *GAMES.LOD* in the MM8LevelEditor. Select *out01.odm* and then select Chests[0..19]. Select *Contained items* for chest 01 and on the first available blank line (line 11 in this case) enter item# 500. Scroll down to chest 02 and perform the same operation, only enter item# 501. Continue this process with each of the remaining chests, entering a unique item number for each chest. Make a list of which item is assigned to each chest.

When each chest has its own unique item, Import *currently-displayed resource*.



The screenshot shows the MM8LevelEditor interface. On the left, a list of files is displayed, with 'out01.ddm' highlighted. The main window shows the 'Contained Items' table for chest 01. The table has columns for Item #, ID, standard magic class, value modifier, special magic class, and amount of gold. The table is currently empty, with only the header row visible. The 'Contained Items' button is circled in red.

Item #	ID	standard magic class	value modifier	special magic class	amount of gold
0	220	0	0	0	0
1	220	0	0	0	0
2	220	0	0	0	0
3	220	0	0	0	0
4	220	0	0	0	0
5	220	0	0	0	0
6	200	0	0	0	0
7	200	0	0	0	0
8	200	0	0	0	0
9	200	0	0	0	0
10	201	0	0	0	0
11	201	0	0	0	0
12	500	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0

Activity 2 (continued)

Locate the chest number of the 'crate'.

It's now time to determine the crate *chest number*.

1. Exit the MM8LevelEditor.
2. Delete the current *GAMES.LOD* and *Events.lod* files.
3. Rename the *GAMES.LOD.new* file to *GAMES.LOD*.
4. Rename the *Events.lod.new* file to *Events.lod*.
5. Launch MM7 and Start a New Game.
6. Move your party to the crate and open it. Note which unique item is in the chest and check the item against your list, You now know the crate *chest number*.
7. Exit the game and proceed to the next page.

Activity 2 (concluded)

Add the *Ring of Rathbone* and verify changes.

Open *GAMES.LOD* in the MM8LevelEditor. Select *out01.odm* and then select Chests[0..19]. Scroll down to the chest number discovered on the preceding page. Select *Contained items* for this chest and replace the artifact item# with 160, the item number for the *Ring of Rathbone*.

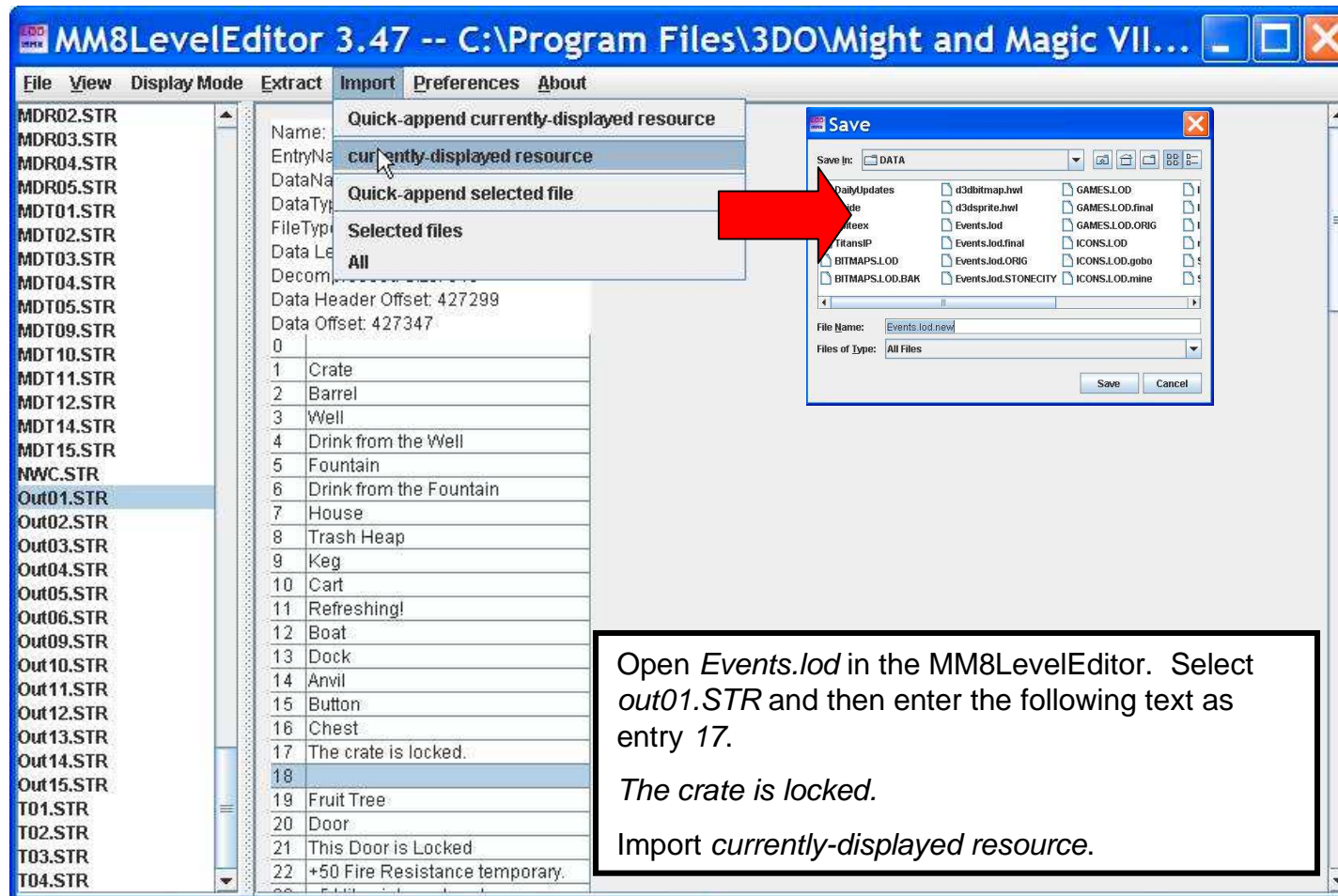
Delete the added artifact numbers for the other six chests and then Import *currently-displayed resource*.

It's now time to verify the file changes.

1. Exit the MM8LevelEditor.
2. Delete the current *GAMES.LOD* file.
3. Rename the *GAMES.LOD.new* file to *GAMES.LOD*.
4. Launch MM7 and Start a New Game.
5. Move your party to the crate and open it. Visually verify that the crate contains the *Ring of Rathbone*.
6. Exit the game and proceed to Activity 3.

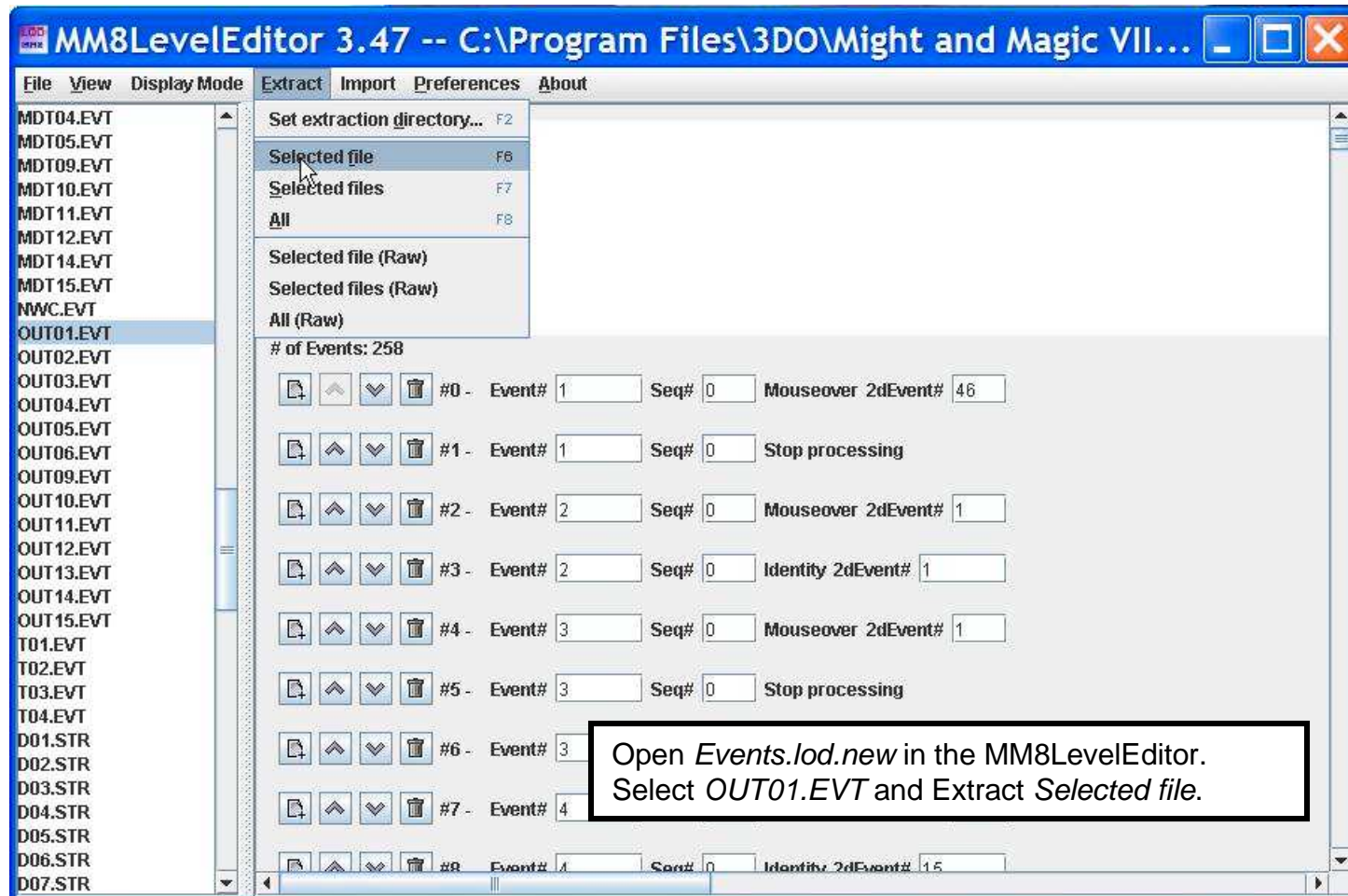
Activity 3

Lock the Crate.



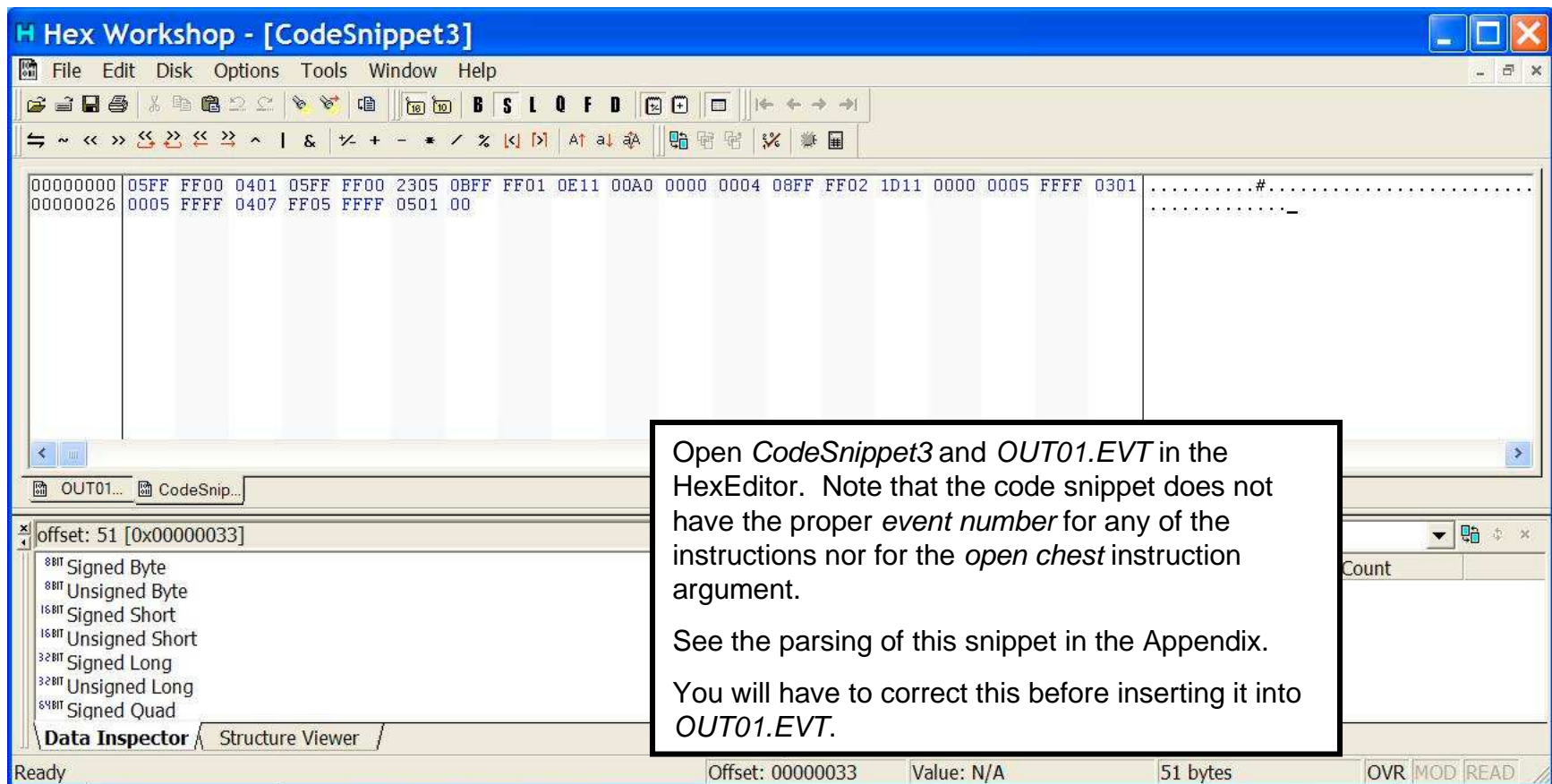
Activity 3 (continued)

Export file.



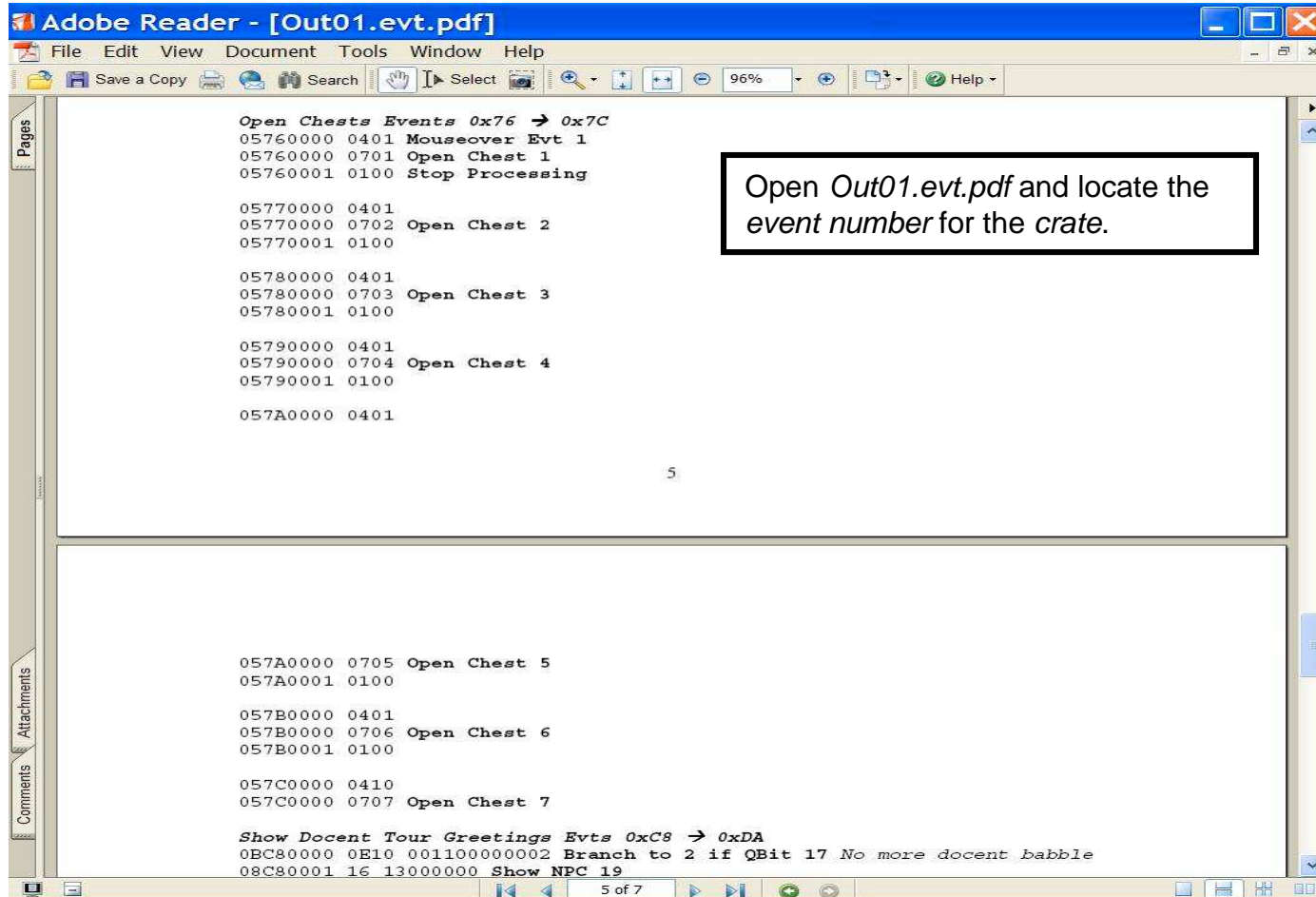
Activity 3 (continued)

Load files in Hex Editor.



Activity 3 (continued)

Locate the proper *Event Number*.



Activity 3 (continued)

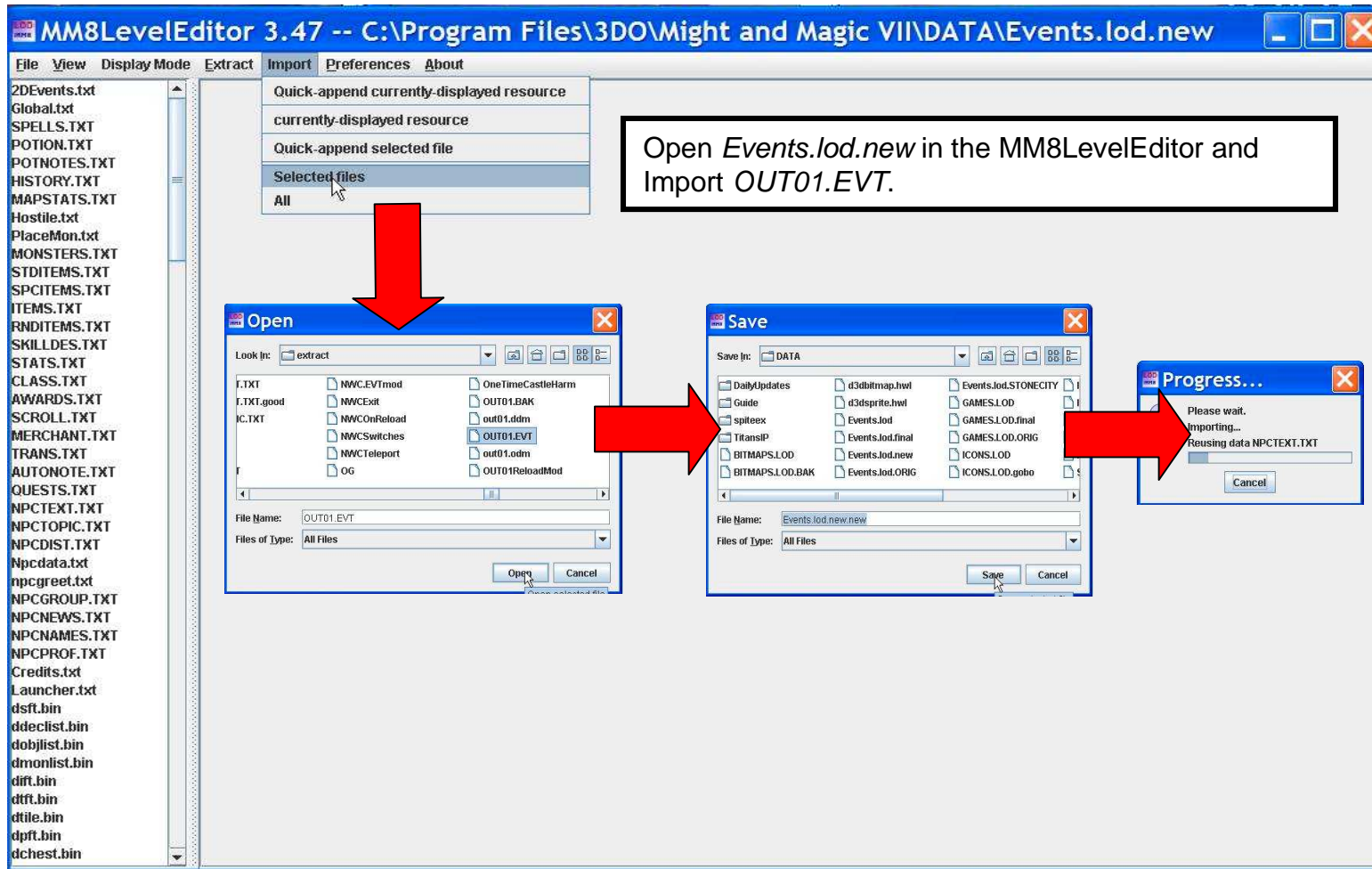
Change *OUT01.EVT*.

Using the Hex Editor, change the code in *CodeSnippet3* to reflect the correct *event number* and correct the *open chest* number,

Using the Hex Editor, replace the original *open chest* code in *OUT01.EVT* with the corrected *CodeSnippet1* code and SAVE the files. See MM7 Modding Guide Part 2, pages 11-15, for an example of this process.

Activity 3 (continued)

Import *OUT01.EVT*.



Activity 3 (concluded)

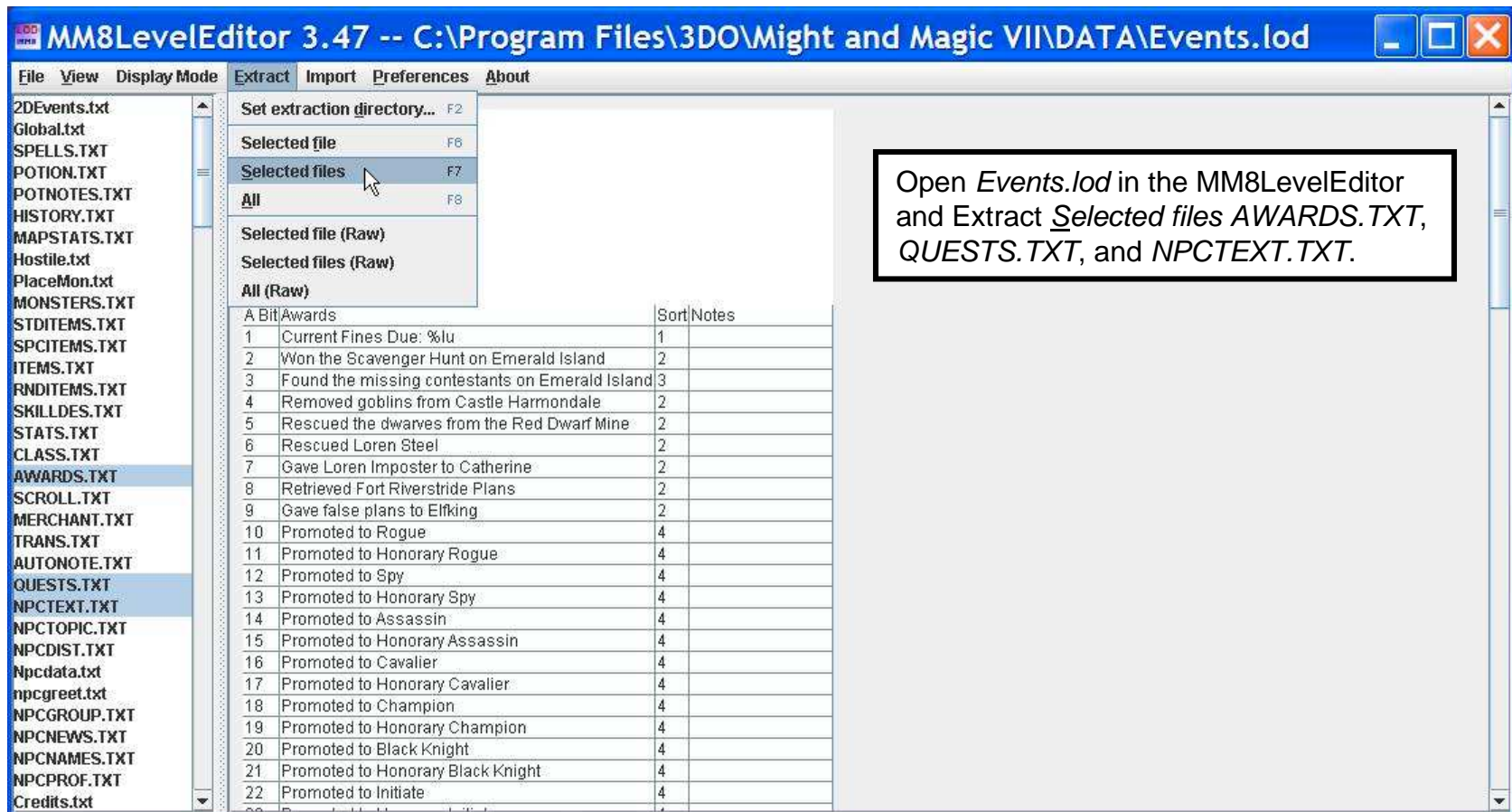
Verify changes.

It's now time to verify the file changes.

1. Exit the MM8LevelEditor.
2. Delete the current *Events.lod* and *Events.lod.new* files.
3. Rename the *Events.lod.new.new* file to *Events.lod*.
4. Launch MM7 and Start a New Game.
5. Move your party to the crate and attempt open it. Verify that you cannot open the crate and that the text *The crate is locked.* appears.
6. Exit the game and proceed to Activity 4.

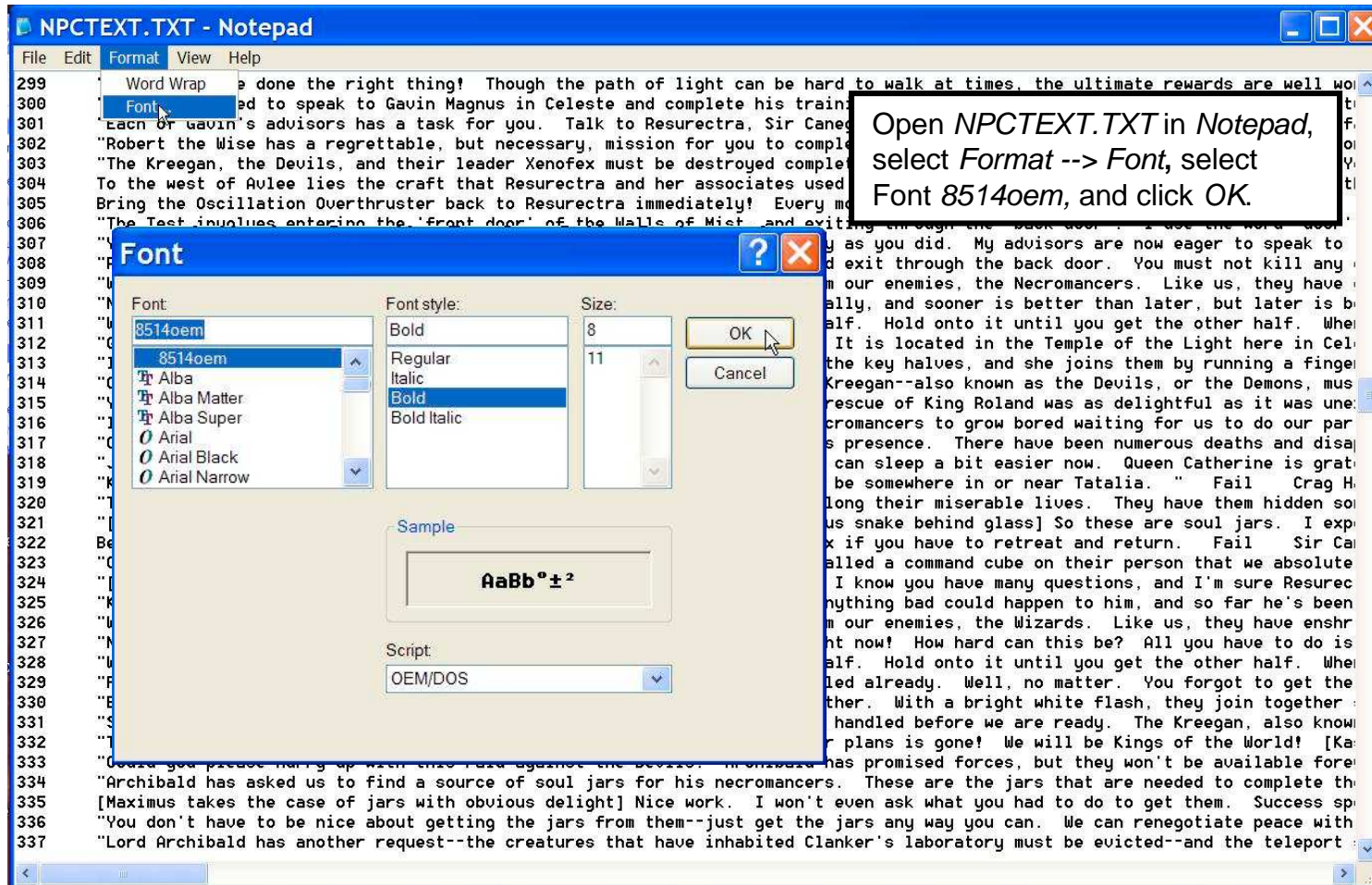
Activity 4

Extract **.TXT** files.



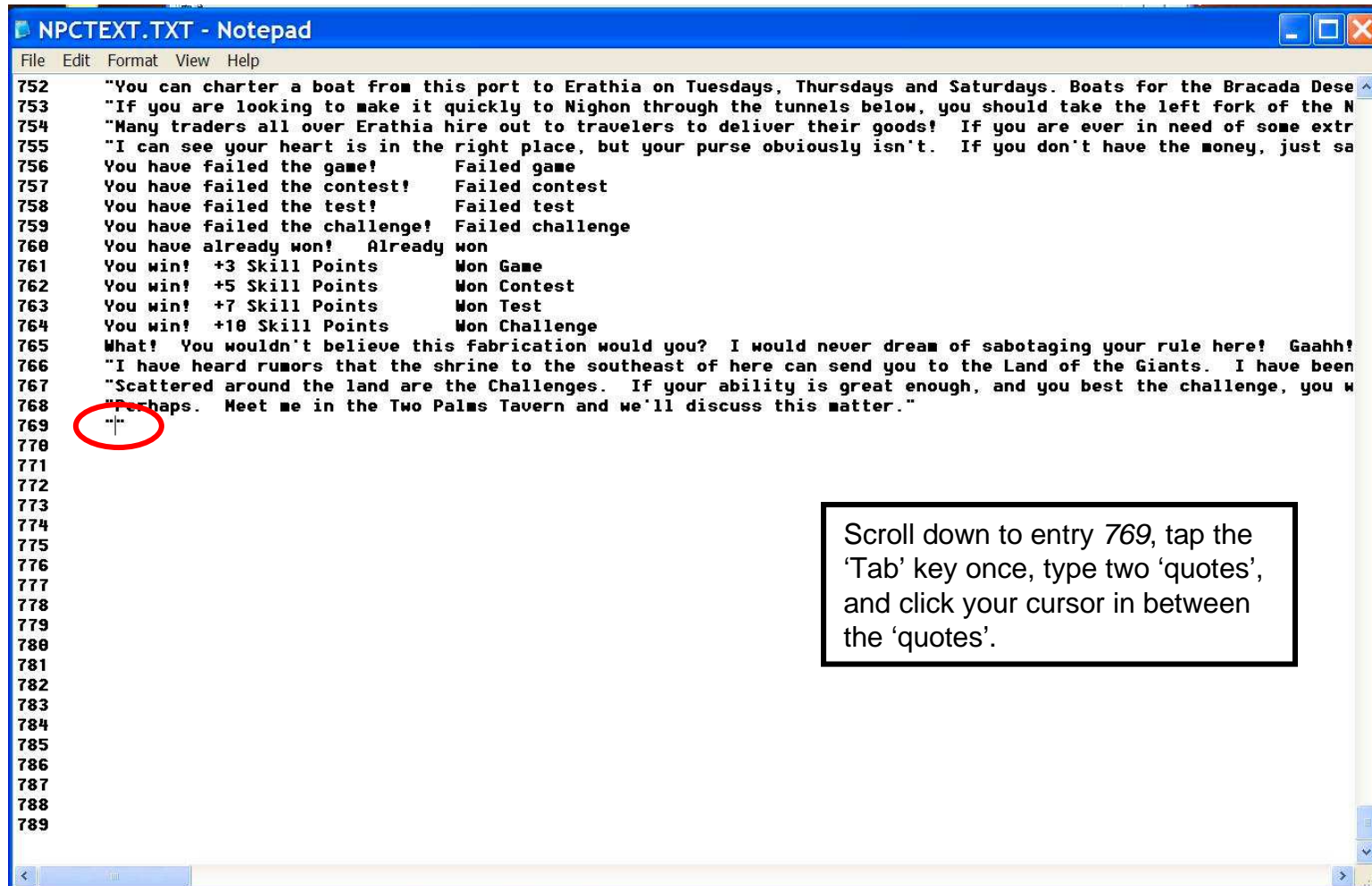
Activity 4 (continued)

NPCTEXT entries.



Activity 4 (continued)

NPCTEXT entries (continued).



NPCTEXT.TXT - Notepad

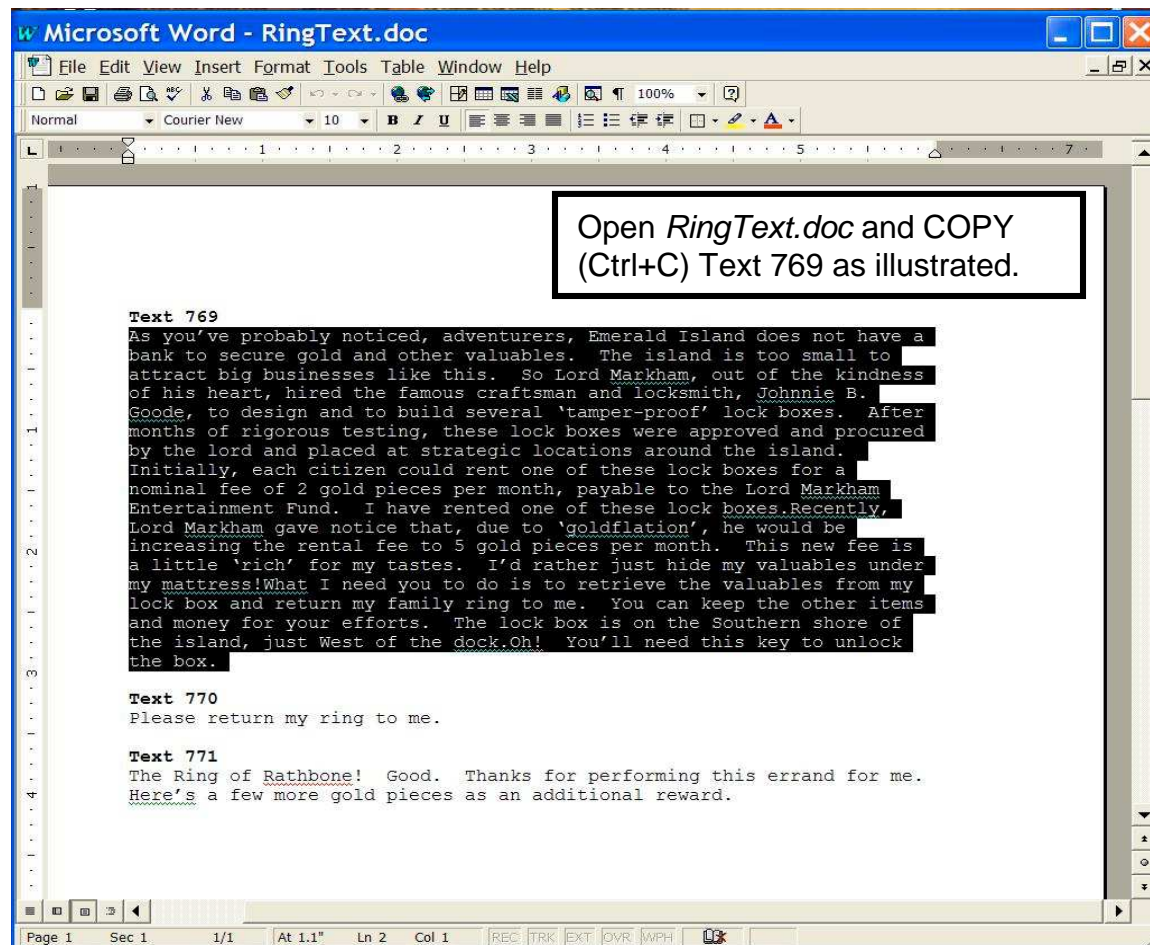
File Edit Format View Help

752 "You can charter a boat from this port to Erathia on Tuesdays, Thursdays and Saturdays. Boats for the Bracada Dese
753 "If you are looking to make it quickly to Nighon through the tunnels below, you should take the left fork of the N
754 "Many traders all over Erathia hire out to travelers to deliver their goods! If you are ever in need of some extr
755 "I can see your heart is in the right place, but your purse obviously isn't. If you don't have the money, just sa
756 You have failed the game! Failed game
757 You have failed the contest! Failed contest
758 You have failed the test! Failed test
759 You have failed the challenge! Failed challenge
760 You have already won! Already won
761 You win! +3 Skill Points Won Game
762 You win! +5 Skill Points Won Contest
763 You win! +7 Skill Points Won Test
764 You win! +10 Skill Points Won Challenge
765 What! You wouldn't believe this fabrication would you? I would never dream of sabotaging your rule here! Gaahh!
766 "I have heard rumors that the shrine to the southeast of here can send you to the Land of the Giants. I have been
767 "Scattered around the land are the Challenges. If your ability is great enough, and you best the challenge, you w
768 "Perhaps. Meet me in the Two Palms Tavern and we'll discuss this matter."
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Scroll down to entry 769, tap the 'Tab' key once, type two 'quotes', and click your cursor in between the 'quotes'.

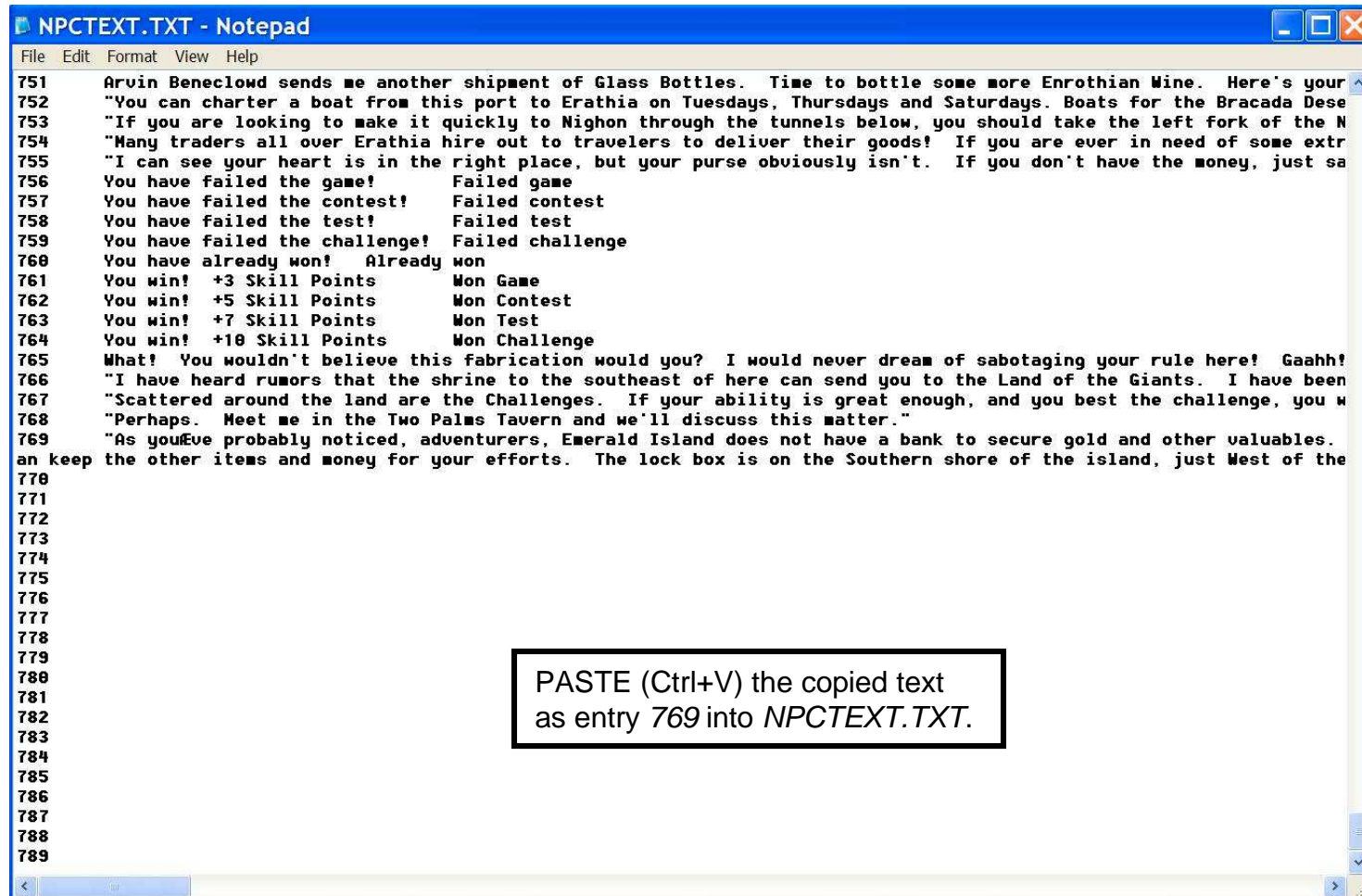
Activity 4 (continued)

NPCTEXT entries (continued).



Activity 4 (continued)

NPCTEXT entries (continued).



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NPCTEXT.TXT - Notepad
File Edit Format View Help
751 Arvin Benecloard sends me another shipment of Glass Bottles. Time to bottle some more Enrothian Wine. Here's your
752 "You can charter a boat from this port to Erathia on Tuesdays, Thursdays and Saturdays. Boats for the Bracada Dese
753 "If you are looking to make it quickly to Nighon through the tunnels below, you should take the left fork of the N
754 "Many traders all over Erathia hire out to travelers to deliver their goods! If you are ever in need of some extr
755 "I can see your heart is in the right place, but your purse obviously isn't. If you don't have the money, just sa
756 You have failed the game! Failed game
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763 You win! +7 Skill Points Won Test
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765 What! You wouldn't believe this fabrication would you? I would never dream of sabotaging your rule here! Gaahh!
766 "I have heard rumors that the shrine to the southeast of here can send you to the Land of the Giants. I have been
767 "Scattered around the land are the Challenges. If your ability is great enough, and you best the challenge, you w
768 "Perhaps. Meet me in the Two Palms Tavern and we'll discuss this matter."
769 "As you've probably noticed, adventurers, Emerald Island does not have a bank to secure gold and other valuables.
an keep the other items and money for your efforts. The lock box is on the Southern shore of the island, just West of the
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PASTE (Ctrl+V) the copied text
as entry 769 into *NPCTEXT.TXT*.

Activity 4 (continued)

NPCTEXT entries (continued).

s ready. Butler Text
t the land that can lend you temporary protection from certain types of magic.
ge:: MyaLords. My name is Archibald Ironfist. You've probably heard of me--it is I who, up until recently, was the ruler
"Archibald contacts party, and party is good (Roland quest)"
ge:: My friends. I know you are working with my old advisors, but I must ask for your help one more time. □ With the aid o
r you now. Go to him, and he will instruct you." Evil advisors (when Tolberti's quest is ready)
job for you now. Go to him, and he will instruct you." Good advisors (when Robert the Wise's quest is ready)
to keeping zombies off the roads. Thank you for your contribution. Ambush gave gold
nce, I think I see some zombies on the roads. Perhaps next time you'll be more inclined to contribute." Ambush didn
rowheads. Pip Hillier in Erathia pays the best prices for these. Be sure to see him! Trading Triangle 1 1 Buy 2
from my friend Robert Belknap. I hope everything is well with him. Here's your payment." Trading Triangle 1 1 Sell
hers. Robert Belknap in the Tularean Forest pays the best prices for these feathers. Be sure to give him my regards when
nt of Arrowheads. Wonderful! Here's your payment. Trading Triangle
d. Be sure to take it to Rydrin in Harmondale. He will pay you well f
t of Griffin Feathers. Here's your payment. Enjoy the day! Trading
nd. Arvin Benecloud in the forsaken Barrow Downs pays well for this Sand
e from Infernon. This will warm the hearts of many! Here's your payment
ss Bottles to Infernon in Avlee. He bottles the finest Enrothian Wine.
indra Goldensight. Here's your payment." Trading Triangle 2 2 Sell
ne. Take this to Calindra Goldensight in Tatalia and she will pay you
shipment of Glass Bottles. Time to bottle some more Enrothian Wine. He
port to Erathia on Tuesdays, Thursdays and Saturdays. Boats for the Br
ickly to Nighon through the tunnels below, you should take the left fork of the Nighon runner. Wang have taken the right
re out to travelers to deliver their goods! If you are ever in need of some extra coin, try finding one of these merchant
ight place, but your purse obviously isn't. If you don't have the money, just say so. In any event, good luck dealing wi
ailed game
ailed contest
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on
on Game
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Fabrication would you? I would never dream of sabotaging your rule here! Gaahh! Prepare to die! Goblin spy (caught)
ine to the southeast of here can send you to the Land of the Giants. I have been to the shrine many times and it has neve
e Challenges. If your ability is great enough, and you best the challenge, you will be award skill points to do with as y
as Tavern and we'll discuss this matter."
nturers, Emerald Island does not have a bank to secure gold and other valuables. The island is too small to attract big b
r efforts. The lock box is on the Southern shore of the island, just West of the dock. Oh! You'll need this key to unlock

Activity 4 (continued)

NPCTEXT entries (continued).

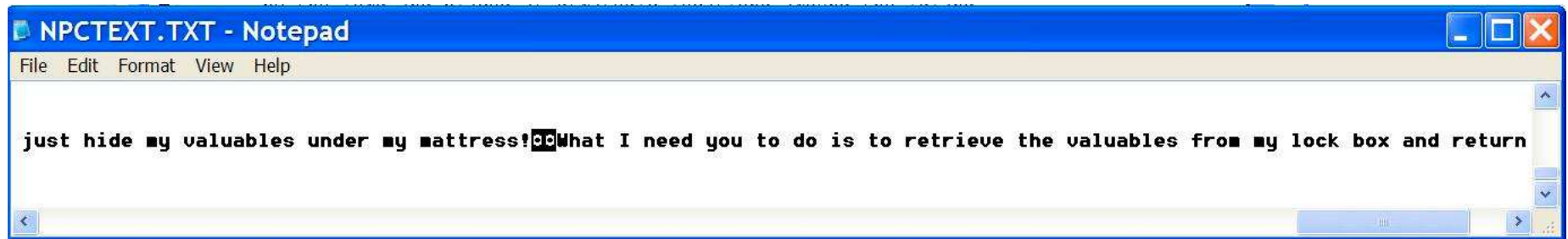
Scroll down to entry 769 and PASTE (Ctrl+V) the control character at the text locations indicated below.



NPCTEXT.TXT - Notepad

File Edit Format View Help

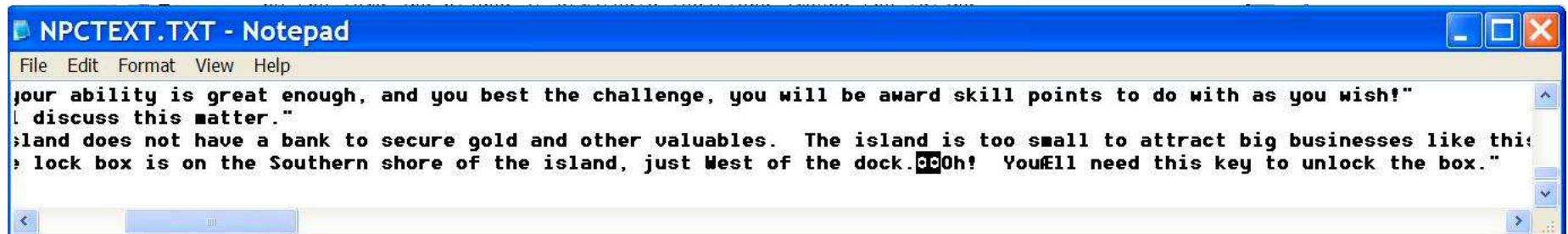
ainment Fund. I have rented one of these lock boxes.☐☐Recently, Lord Markham gave notice that, due to ægoldflationÆ, he w



NPCTEXT.TXT - Notepad

File Edit Format View Help

just hide my valuables under my mattress!☐☐What I need you to do is to retrieve the valuables from my lock box and return



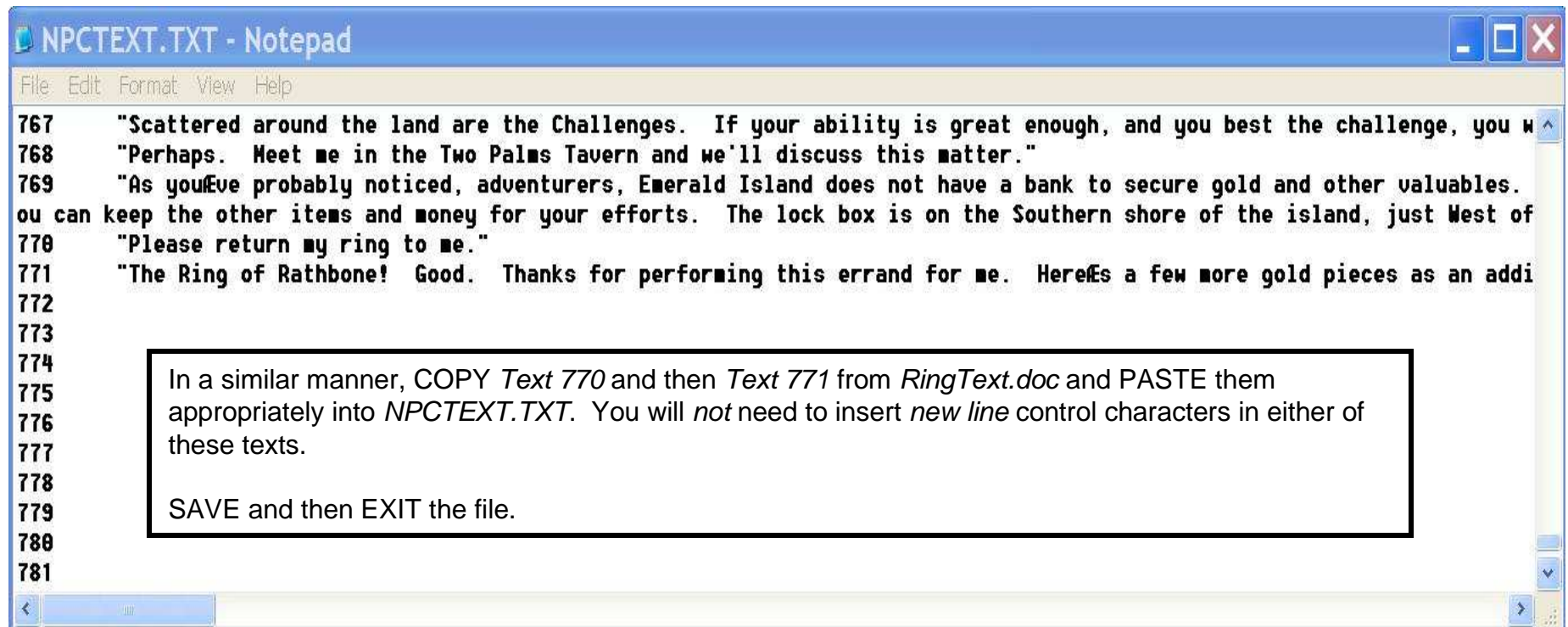
NPCTEXT.TXT - Notepad

File Edit Format View Help

your ability is great enough, and you best the challenge, you will be award skill points to do with as you wish!"
I discuss this matter."
Island does not have a bank to secure gold and other valuables. The island is too small to attract big businesses like this.
A lock box is on the Southern shore of the island, just West of the dock.☐☐Oh! YouÆll need this key to unlock the box."

Activity 4 (continued)

NPCTEXT entries (concluded).



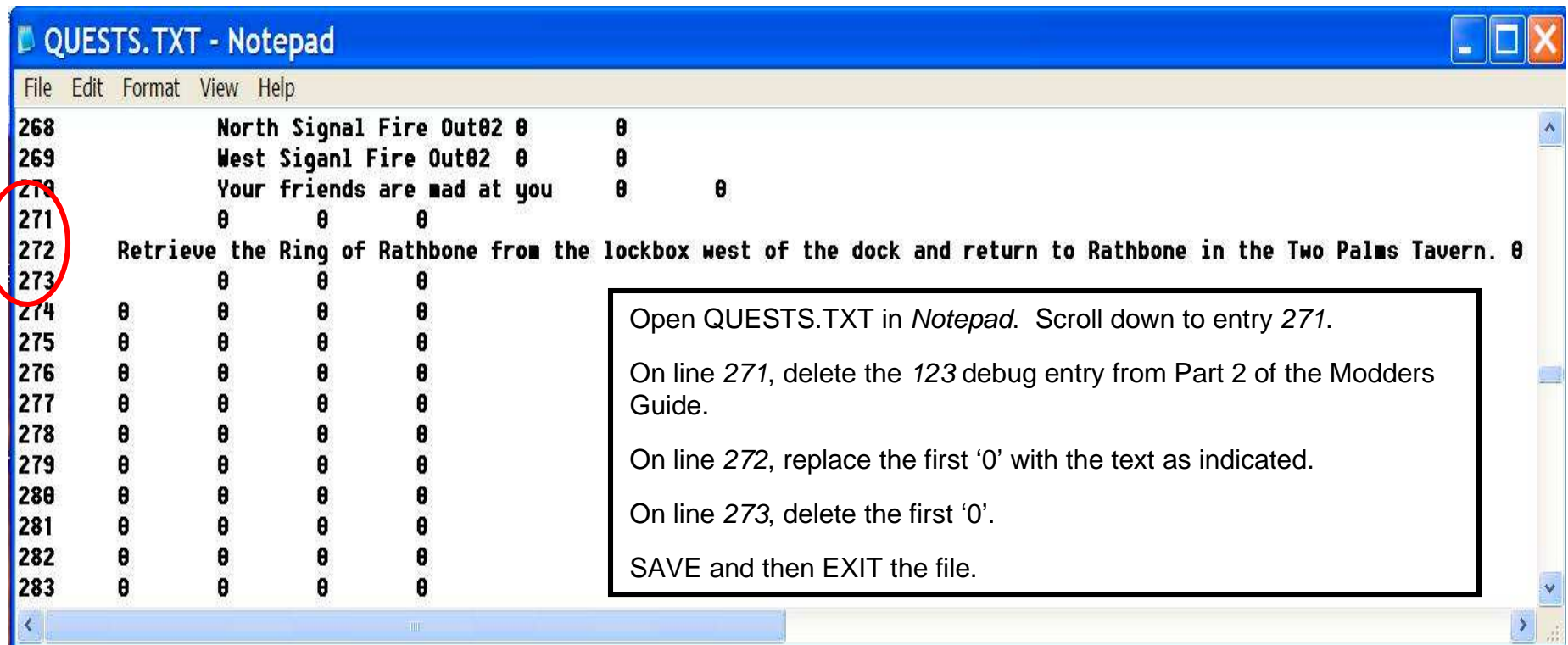
```
NPCTEXT.TXT - Notepad
File Edit Format View Help
767 "Scattered around the land are the Challenges. If your ability is great enough, and you best the challenge, you w
768 "Perhaps. Meet me in the Two Palms Tavern and we'll discuss this matter."
769 "As you've probably noticed, adventurers, Emerald Island does not have a bank to secure gold and other valuables.
ou can keep the other items and money for your efforts. The lock box is on the Southern shore of the island, just West of
770 "Please return my ring to me."
771 "The Ring of Rathbone! Good. Thanks for performing this errand for me. Here's a few more gold pieces as an addi
772
773
774
775
776
777
778
779
780
781
```

In a similar manner, COPY *Text 770* and then *Text 771* from *RingText.doc* and PASTE them appropriately into *NPCTEXT.TXT*. You will *not* need to insert *new line* control characters in either of these texts.

SAVE and then EXIT the file.

Activity 4 (continued)

QUESTS entries.



QUESTS.TXT - Notepad

File Edit Format View Help

```
268      North Signal Fire Out02 0      0
269      West Siganl Fire Out02 0      0
270      Your friends are mad at you 0      0
271      0      0      0
272      Retrieve the Ring of Rathbone from the lockbox west of the dock and return to Rathbone in the Two Palms Tavern. 0
273      0      0      0
274      0      0      0      0
275      0      0      0      0
276      0      0      0      0
277      0      0      0      0
278      0      0      0      0
279      0      0      0      0
280      0      0      0      0
281      0      0      0      0
282      0      0      0      0
283      0      0      0      0
```

Open QUESTS.TXT in *Notepad*. Scroll down to entry 271.

On line 271, delete the 123 debug entry from Part 2 of the Modders Guide.

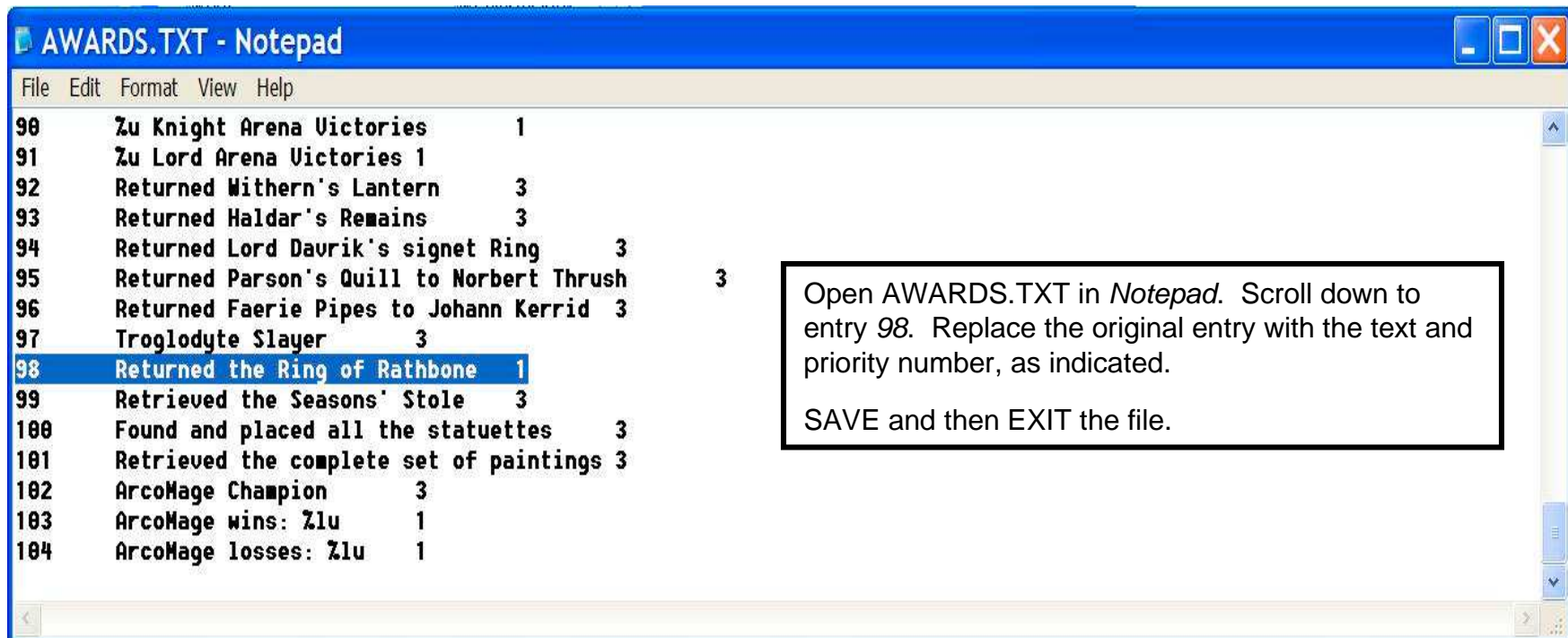
On line 272, replace the first '0' with the text as indicated.

On line 273, delete the first '0'.

SAVE and then EXIT the file.

Activity 4 (continued)

AWARDS entry.



The screenshot shows a Notepad window with the following text:

```
90 Zu Knight Arena Victories 1
91 Zu Lord Arena Victories 1
92 Returned Withern's Lantern 3
93 Returned Halдар's Remains 3
94 Returned Lord Davrik's signet Ring 3
95 Returned Parson's Quill to Norbert Thrush 3
96 Returned Faerie Pipes to Johann Kerrid 3
97 Troglodyte Slayer 3
98 Returned the Ring of Rathbone 1
99 Retrieved the Seasons' Stole 3
100 Found and placed all the statuettes 3
101 Retrieved the complete set of paintings 3
102 ArcoMage Champion 3
103 ArcoMage wins: Zlu 1
104 ArcoMage losses: Zlu 1
```

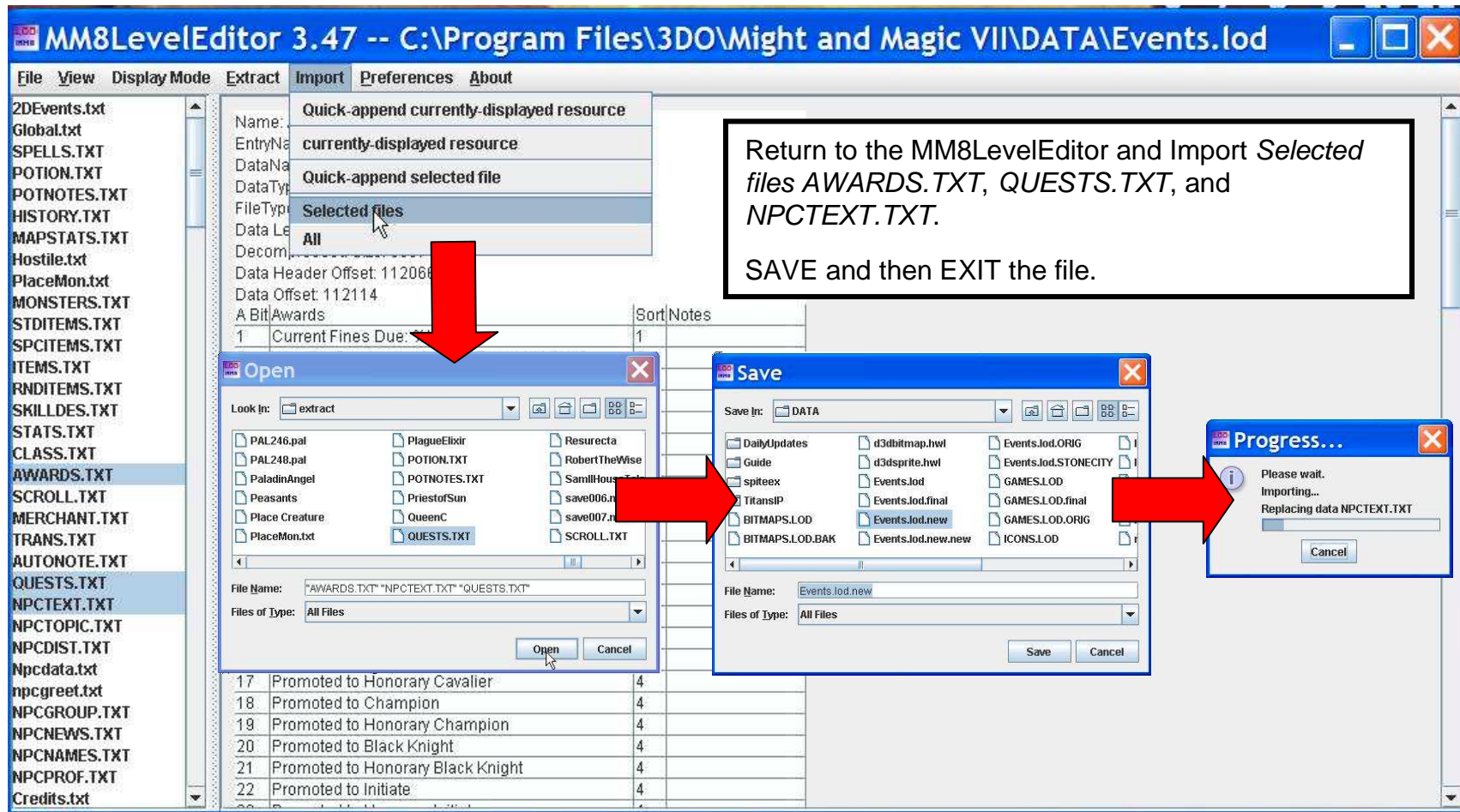
A text box on the right contains the following instructions:

Open AWARDS.TXT in *Notepad*. Scroll down to entry 98. Replace the original entry with the text and priority number, as indicated.

SAVE and then EXIT the file.

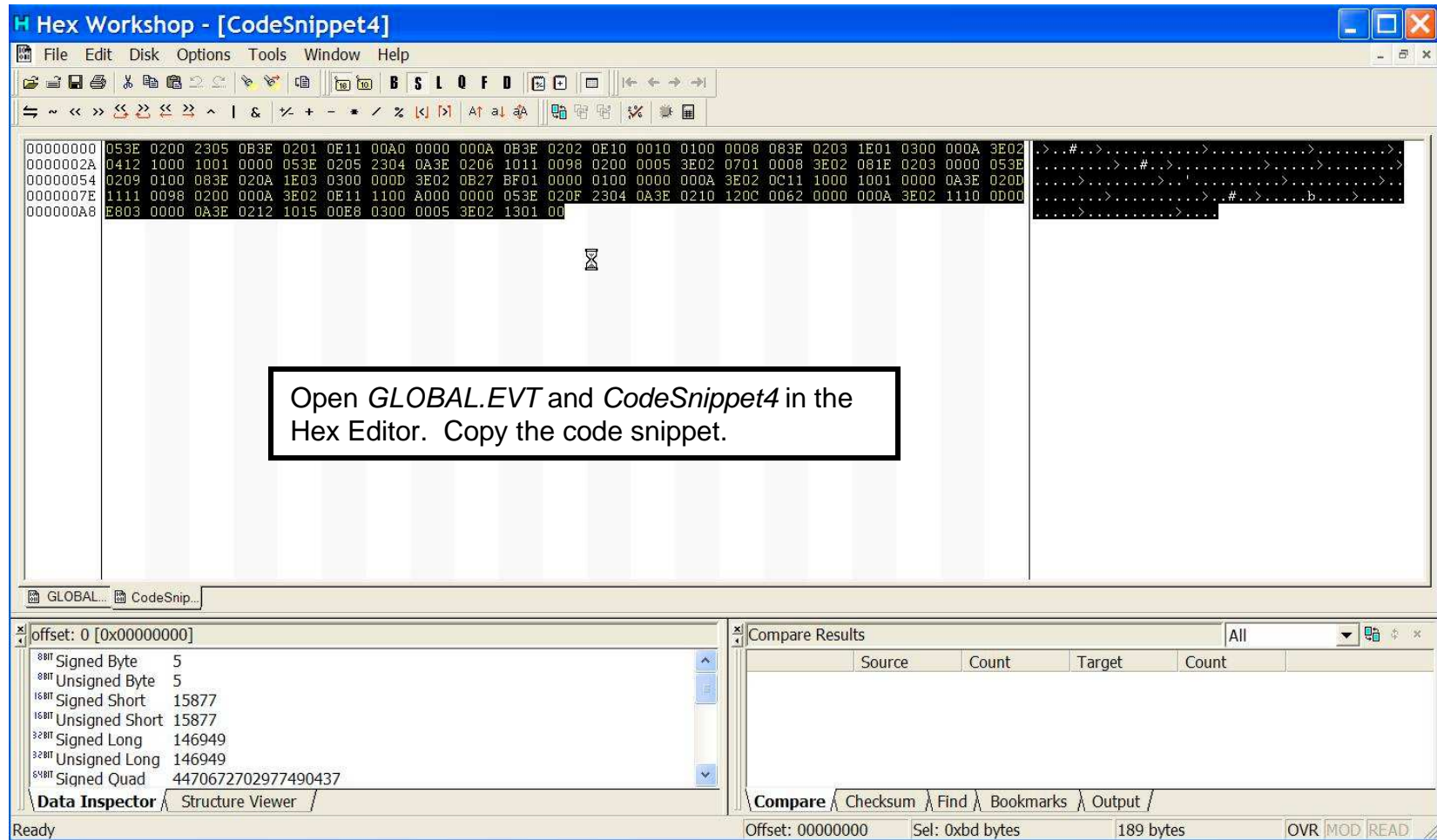
Activity 4 (continued)

Import files.



Activity 4 (continued)

Insert *CodeSnippet4*.



Activity 4 (continued)

Insert *CodeSnippet4* (concluded).

The screenshot shows the Hex Workshop application with the file **GLOBAL.EVT** open. The main window displays a large hex dump of data, with the cursor positioned at the end of the file. The Data Inspector panel at the bottom left shows the current data type as **8BIT Signed Byte**. A text box overlay with a black border contains the following instructions:

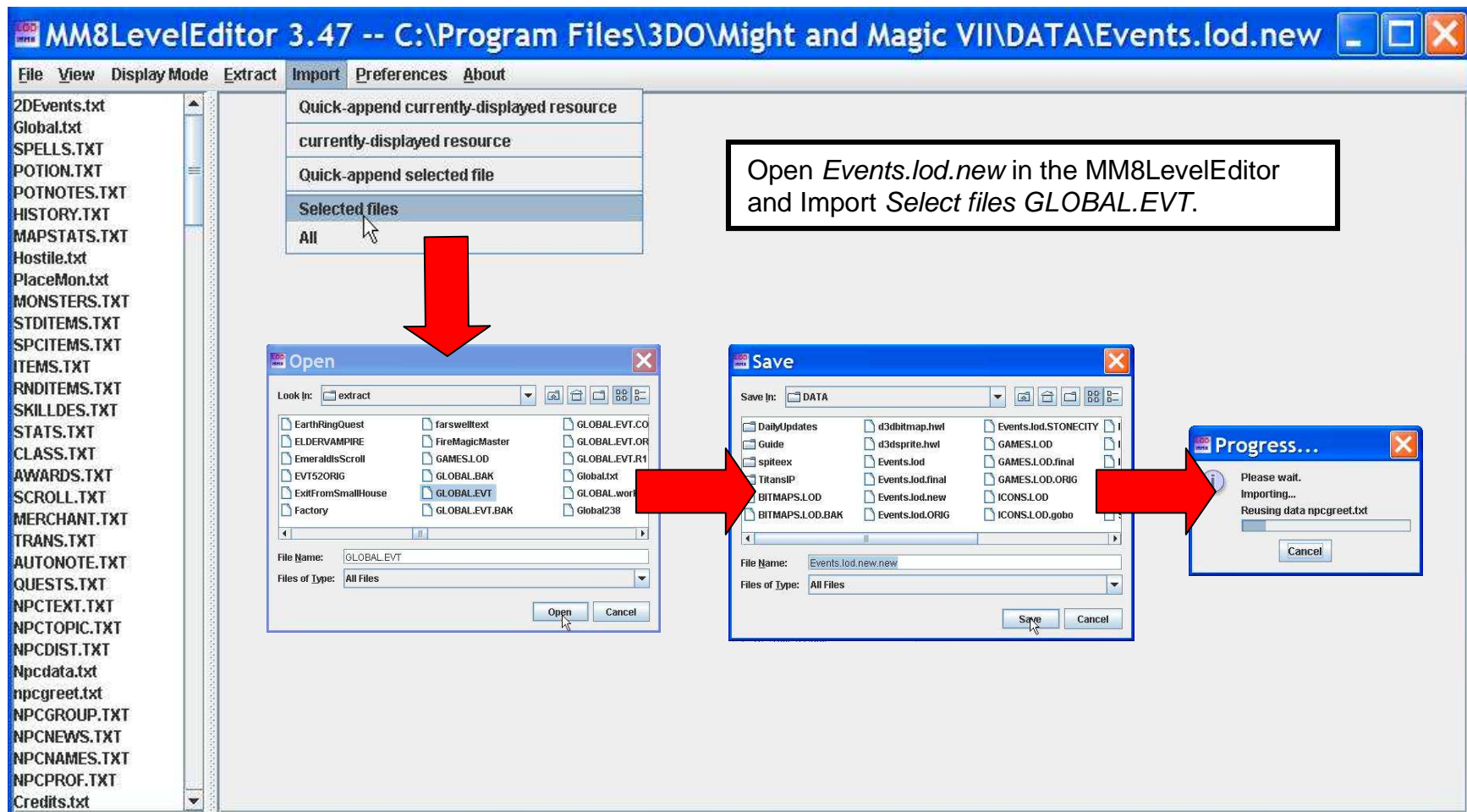
Select *GLOBAL.EVT*, scroll down to the end of the file, click your cursor after the last entry, and PASTE the code snippet.

SAVE the file.

The bottom status bar indicates the current offset is **0000A777**, the value is **N/A**, and the file size is **42871 bytes**.

Activity 4 (continued)

Import file.



Activity 4 (concluded)

Cleanup files.

1. Delete the current *Events.lod* and *Events.lod.new* files.
2. Rename the *Events.lod.new.new* file to *Events.lod*.
3. Proceed to Activity 5.

Activity 5

Observe the changes.

It's now time to start the game and observe the resultant changes.

1. Launch MM7 and Start a New Game.
2. Perform all party activities required to complete the Quest sequence.
3. Visually observe the results of each party action and make a written record that details each action and its result(s).
4. Although your changes will 'execute' without 'crashing' the game, you should discover several 'bugs' as you perform this quest.
5. *Most* of the 'bugs' are caused by poorly written code in *CodeSnippet4*. You will have to *parse* and *comment* this code snippet in order to discover the 'bug' causes and correct them. These Modders Guides have provided you with sufficient *background* to complete this task. You'll have to develop your own *process* to accomplish this.
6. If you are unable to complete this task, then you should probably give up any aspirations of serious game 'modding' involving the *Event Language*.

Good Luck and Happy Modding! BDJ

Epilog

This concludes the three-part Modders Guide series. The author realizes that the information in this guide is basic, at best, and that much detail has been omitted in presenting these topics. The detail omissions were a conscious decision made by the author who believes that game modification involves a challenging and rewarding *Process of Discovery*, a Right of Passage *journey* that can ultimately reward the modder with his own unique MM game mod. For the bright, intelligent, curious, and motivated modder *wannabe*, this ‘journey’ is what modding is all about.

Good Luck on your Journey! BDJ

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Appendix

CodeSnippets

CodeSnippet3

```
05FFFF00 0401 Mouseover Evt 01
05FFFF00 2305 Modify next by member 5
0BFFFF01 0E11 009802000004 Branch to 4 if item 664
08FFFF02 1D 11000000 Show local text The crate is locked.
05FFFF03 0100 Stop Processing
05FFFF04 07FF Open Chest FF
05FFFF05 0100 Stop Processing
```

Note. Replace the *FF* fields with the proper number.

CodeSnippet4

```
053E020023050B3E02010E1100A00000000A0B3E02020E10001001000008083E02031E01
0300000A3E020412100010010000053E020523040A3E020610110098020000053E020701
00083E02081E02030000053E02090100083E020A1E030300000D3E020B27BF0100000100
0000000A3E020C111000100100000A3E020D111100980200000A3E020E111100A0000000
053E020F23040A3E0210120C00620000000A3E0211100D00E80300000A3E0212101500E8
030000053E02130100
```

Note. Parse and comment this code, find the 'bugs', and correct them.