

- *δοιᾶδῶP εἰεδοῖνᾱβά (compatibility mode)*: Ἀεἰῡνῶος οῖο Ἀβῶεῖο πῶα ἰά Ὑ ÷ ᾱε Ὑἰ ὀβῖᾱεᾱ οἰπῖᾱοῖ (slice table) εᾱε ἰά ἰδῖᾱᾱ ἰά ÷ ᾱεῖοῖεῖεᾱ ὀᾱᾱῖεῖεᾱ ᾱοῖ Ὑεᾱ εᾱεοῖοᾱεῖῖ ὀοῖοπῖᾱῶ.
- *ᾱῖεεᾱεῖεῖP εἰεδοῖνᾱβά (dedicated mode)*, ἰᾱεῖῖ ὀῖᾱῖ ὀῖῖῖ ὀῖῖῖ ᾱᾱῶεᾱ εᾱε ᾱῖεῖῖᾱῖᾱ ᾱῖεεᾱεῖεῖP εἰεδοῖνᾱβά: Ἀεἰῡνῶος ᾱῖο Ἀβῶεῖο ÷ ῡᾱῖ ὀβῖᾱεᾱ partitions. Ἀοῖ ὀῖᾱε ὀεῖ ᾱᾱᾱεᾱῶᾱ ὀεῖ ὀῖῖῖῖῖῖ Ἀβῶεῖο ᾱῖεῖῖῖῖ ᾱᾱῖ Ὑἰ ἰε-FreeBSD εᾱεοῖᾱεῖῖ ὀῖῖῖᾱ ὀῖεᾱῖῖ ἰά ἰε ἰδῖᾱᾱ ἰά ᾱᾱ ὀῖ Ἀβῶεῖ. C Ὑῖῖῖῖ ᾱῖεῖῖᾱῖᾱ ᾱῖῖῖᾱῖ ὀῖῖ ὀῖῖᾱῖ ὀῖ ὀῖῖῖᾱ ἰδῖᾱᾱ ἰά ἰεῖ ᾱῖᾱῖῖῖῖῖ Ὑἰᾱ Ἀβῶεῖ ῖῖῖῖῖῖῖῖ Ὑἰ ὀᾱῖ ὀῖῖ ὀῖῖῖ.

[illegible]

ÐÝíá áðí ðçí áðééíáÐ ðíððíð éäéðíðíðíð ððÛí÷íð áýí ìÝéíáíé ððçðíðíððíð ðíð áðéíð. Ì ðíððíð ÷íçðéíðíéáð ðí
 áíáééáíí áäéáðÛððáçðð ðíð ððððíðíðð /stand/sysinstall. Áðí ðí 2.1.7-RELEASE éäé íäðÛ ç sysinstall
 áðéíðíéáð ðí ðððéíð ðíð áðéíð áðäéáÐ áðéðíÝðäé ðçí áðíðéáíð äééáÐ ððí label (ðððéíð) éäé ððá ðíðíðá
 (partitions) ðíð áðéíð. ÁðéðéÝíð óáð áðéðíÝðäé íá áðéçéäýðáðá ðéð äééáÝð ìíðí ððíð ððäéäéíéÝíð áðéí ÷íðíð
 íá áðçíáÛäé ðíðð ððéíéðíðð. Ì áýðáííð ðíððíð áííáé íá äéðäéÝðáðá äéÛíðíð áíðéÝð ìá ðí ÷Ýíé áðí ðçí áíáíð
 áíðéíð ùð root. Áí áðééÝíðá ðçí áðíéäéáððééÐ éäéðíðíðíð ÷íðäéÛäéðá íá äéðäéÝðáðá ìíðí 2-3 áíðéÝð áíð ìá ðí
 sysinstall ðíÝðäé áíðéÝðáðá ééáÛéé ðáíáðÛíð.

1.2 Ĩnéóìïß

Ç áéá÷âßñéóç äßöêùí òôí UNIX® Ý÷áé äþóáé íÝá Ýíñíá óá òðŨñ÷íõóáð ëÝíáéð. Ôí ðáñáéŨòù èáíéëüäéí áíçääß òçí íñíëüäß ðíõ ÷ñçóéíðíëíüíá óá áóòù òí èáßíáíí éáé òòí FreeBSD äáíééŨ (ðñíõóáðð).

- **οἰαῖαδὸρ** (compatibility mode): ς ἀεῖαῦνῶος $\delta\iota\omicron$ ἀβόειῶ πὸδᾶ ἰά $\acute{\Upsilon} \div \acute{\alpha}\epsilon$ $\acute{\Upsilon}$ ἰά $\delta\beta\acute{\iota}\acute{\alpha}\epsilon\acute{\alpha}$ $\delta\iota$ πιάδῳῖ (slice table) ἐὰς ἰά ἰδῖνᾶβ ἰά \div $\eta\varsigma$ οείῖδῖε ς ᾶβ $\delta\alpha\eta$ ὔεε ς ᾶ ἰά ὔεεᾶ ἐὰε $\delta\iota$ ῖνᾶε ϵ ὔ $\omicron\omicron\omicron$ πιάδᾶ. $\acute{\Alpha}$ ἰβεᾶ $\delta\iota$ $\omicron\varsigma$ δ $\acute{\alpha}\delta\iota$ εᾶε $\omicron\omicron\epsilon$ ἔβ ϵ ᾶε $\delta\iota$ ῖνᾶβᾶδ.
- ($\acute{\alpha}\delta\epsilon\epsilon$ βῖα $\delta\iota$ ᾶ) $\acute{\alpha}\delta\iota$ εᾶε $\omicron\omicron\epsilon$ ἔβ ϵ ᾶε $\delta\iota$ ῖνᾶβᾶ: ς ἀεῖαῦνῶος $\delta\iota\omicron$ ἀβόειῶ ἐὰδὔ $\omicron\acute{\Upsilon}$ ἰεῖῖ $\delta\eta$ υ $\delta\iota$ π ὸδᾶ ἰά ἰ ς ἰ $\delta\alpha\eta$ ἔ $\acute{\Upsilon} \div \acute{\alpha}\epsilon$ $\delta\beta\acute{\iota}\acute{\alpha}\epsilon\acute{\alpha}$ $\delta\iota$ çἰὔ $\delta\iota$ (slice table). $\acute{\Alpha}$ βῖᾶ $\delta\epsilon$ ῖ $\acute{\alpha}\gamma\epsilon$ ῖ ς ἀεᾶᾶεᾶ \omicron βᾶ $\acute{\alpha}\epsilon$ ὔ ἰ ἀβόειῶ ἰδῖνᾶβ ἰά ἰ ς $\acute{\alpha}\iota$ εᾶᾶ $\omicron\acute{\alpha}$ ἰ ς -FreeBSD ϵ ᾶε $\delta\iota$ ῖνᾶε ϵ ὔ $\omicron\omicron\omicron$ πιάδᾶ. $\acute{\Alpha}$ ἰβεᾶ $\delta\iota$ $\omicron\varsigma$ δ $\omicron\iota$ ᾶ δ ὸρ ϵ ᾶε $\delta\iota$ ῖνᾶβᾶδ.
- **ἀβόειῶ**: Ἴε $\omicron\epsilon\epsilon$ çῖβ $\acute{\alpha}\beta\omicron$ εῖ, $\omicron\acute{\alpha}$ CDROM, ἰε ἰᾶῖç $\delta\iota$ -ἰδ $\omicron\epsilon$ ἔ $\acute{\Upsilon}$ $\omicron\omicron\omicron$ εᾶ δ ᾶ $\acute{\Upsilon}$ ϵ ᾶς $\omicron\acute{\alpha}$ $\acute{\alpha}\omicron$ ᾶ ϵ ῖῖἰᾶἰᾶ ἰὔ $\acute{\alpha}$ Zip®/Jaz® $\acute{\alpha}\beta\acute{\iota}\acute{\alpha}$ ἰᾶ η εἔ $\acute{\Upsilon}$ $\acute{\alpha}$ δῡ $\omicron\epsilon$ δ $\omicron\omicron\omicron$ εᾶ δ ᾶ $\acute{\Upsilon}$ ἰᾶε ϵ ἔβ $\acute{\alpha}\delta\iota$ ε π εᾶ $\omicron\omicron$ ς $\acute{\alpha}\acute{\alpha}$ ῖῖ $\acute{\Upsilon}$ ῖ $\delta\iota\omicron$ \div $\eta\varsigma$ οείῖδῖεῖῖ $\acute{\alpha}$ \omicron πᾶᾶ. ς $\acute{\alpha}\omicron$ ε ϵ ἔβ $\acute{\alpha}$ ᾦ \div π ϵ ᾶε $\delta\iota$ ῖνᾶβᾶδ $\acute{\alpha}\omicron$ ἔἰ $\delta\iota$ ἰὔ $\delta\iota$ $\acute{\alpha}\delta\iota$ ε π εᾶ $\omicron\omicron$ ς $\acute{\Upsilon}$ ἰᾶδ π $\delta\alpha\eta$ ε $\omicron\omicron$ ῡᾶῖ $\acute{\alpha}\beta\omicron$ εῖ ἰε ἰ $\delta\iota$ βῖε $\delta\alpha\eta$ ε $\omicron\omicron$ ῖ $\acute{\Upsilon}$ ἰῖ $\acute{\alpha}$ $\acute{\alpha}$ δῡ $\acute{\Upsilon}$ ἰᾶ ἰῖ $\acute{\Upsilon}$ ᾦ, $\acute{\alpha}\pi$ ἰεᾶ ϵ ᾶ \omicron ᾶ π ϵ εῖᾶ δ ᾶς $\omicron\acute{\alpha}$ $\acute{\Upsilon}$ ἰᾶ ἰῖῖ δ ὔ ϵ δ ὔῖ $\omicron\delta$ çἰ $\acute{\alpha}\epsilon$ ḡἰᾶ $\delta\iota\omicron$ ἀβόειῶ ϵ ᾶς $\acute{\alpha}\epsilon$ ᾶὔ $\acute{\Upsilon}$ ᾶ $\acute{\alpha}$ δῡ $\delta\iota$ ἀβόει π $\acute{\alpha}$ ὔ \omicron ᾶ $\acute{\alpha}\acute{\alpha}$ ῖῖ $\acute{\Upsilon}$ ᾶ $\omicron\acute{\alpha}$ $\acute{\alpha}\omicron$ ῡῖ. $\delta\iota$ $\acute{\alpha}$ ὔ π εῖῖ $\acute{\alpha}$ βῖᾶ δ ᾶς ἰᾶ ἰᾶ \omicron ᾶῖ π ϵ ὔ δ εῖῖ $\omicron\omicron\omicron$ εῖῖ \div $\acute{\alpha}$ ᾦᾶ ϵ ḡ η ε $\omicron\omicron$ εῖῖ $\delta\iota\omicron$ ἀβόειῶ (ἰᾶῖç \omicron ε ϵ ἔβ π ῖ π , $\acute{\alpha}$ ἰεᾶ $\acute{\alpha}\omicron$ ε \omicron ῡ δ ᾶ, ϵ ἔ δ .) $\acute{\alpha}\pi$ $\delta\iota$ $\acute{\alpha}\epsilon$ ὔᾶ \omicron ἰᾶ $\acute{\alpha}$ βῖᾶ δ ᾶς ἰᾶ “ᾶἰβ \div ἰᾶ \omicron ç” $\acute{\alpha}\epsilon$ ᾶ π ὁçἰ β ᾶᾶ $\omicron\omicron\omicron$ ε ϵ ἔβ ϵ ᾶῡ δ ᾶ $\delta\iota\omicron$ ἀβόειῶ.
- **ἰπᾶ** (slice): Ἰβᾶ $\delta\delta\iota$ ᾶεᾶβᾦ $\acute{\alpha}$ ς $\acute{\alpha}$ ῡḡ $\acute{\alpha}\beta\omicron$ ειῶ. $\acute{\omicron}$ ῡῖῡἰᾶ ἰᾶ $\omicron\acute{\alpha}$ $\delta\eta$ υ $\delta\iota$ δ ῡῖ PC ἰδῖῖῖ ἰᾶ $\delta\delta$ ὔ \div ἰ \omicron ἰ $\acute{\Upsilon} \div \eta$ 4 ἰπᾶ \omicron ᾶ $\omicron\acute{\alpha}$ $\acute{\Upsilon}$ ἰᾶ $\acute{\alpha}\beta\omicron$ ει. $\acute{\omicron}$ ᾶ ἰπᾶ \omicron ᾶ $\acute{\alpha}\delta\iota$ ḡᾶῖῖ $\acute{\alpha}$ $\acute{\alpha}$ ἰ \omicron ῡᾶ \div ῡᾶῖ δ \omicron ῖᾶ δ (sectors). $\delta\delta$ ὔ \div $\acute{\alpha}\epsilon$ $\acute{\Upsilon}$ ἰᾶ “ $\delta\beta\acute{\iota}\acute{\alpha}\epsilon\acute{\alpha}$ $\delta\iota$ çἰὔ $\delta\iota$ ” (slice table) $\delta\iota\omicron$ $\delta\alpha\eta$ ἔ $\acute{\Upsilon} \div \acute{\alpha}\epsilon$ $\delta\epsilon$ çῖῖῖᾦ β ᾶ $\acute{\alpha}$ ᾶ $\omicron\acute{\alpha}$ ἰπᾶ \omicron ᾶ ϵ ᾶς \div $\eta\varsigma$ οείῖδῖεᾶ δ ᾶς $\acute{\alpha}$ δῡ $\delta\iota$ BIOS $\acute{\alpha}$ ᾶ ἰᾶ ᾦᾦᾶ $\acute{\alpha}$ δῡ $\delta\iota$ ῖ η ῖᾦᾦᾶ ἰᾶ ἰᾶεῖ π ᾶ $\delta\iota$ \omicron ῡ \omicron çἰᾶ. Ἰ $\delta\beta\acute{\iota}\acute{\alpha}\epsilon\acute{\alpha}$ $\delta\iota$ çἰὔ $\delta\iota$ ϵ ὔᾶ \omicron ᾶς ϵ ᾶς “ $\delta\beta\acute{\iota}\acute{\alpha}\epsilon\acute{\alpha}$ ϵ ῖᾦᾶ ϵ ἔἔἔ” (partition table) $\omicron\acute{\alpha}$ ἰῖῖῖᾦᾶ DOS $\delta\iota\omicron$ $\omicron\delta$ ὔ \div ἰᾶ \omicron ᾶ $\acute{\alpha}$ ἰ $\delta\eta$ ῡᾦᾦᾦᾦ δ disk.
- **εῖῡ δ ε** (partition): Ἰβᾶ $\delta\delta\iota$ ᾶεᾶβᾦ $\acute{\alpha}$ ς $\acute{\alpha}$ ῡḡ $\delta\iota$ πᾶ $\delta\iota$ ῖ. $\acute{\omicron}$ ῡῖ π Ổ \div

1.3 ΟçἰᾱḂᾱ ðῖò ðñÝðᾱέ ἰᾱ ðñῖóÝἰᾱðᾱ ἑᾱέ ðᾱᾱḂᾱð

Ἀþóðᾱ ἰᾱᾱÜêç ðñῖóῖ÷þ ðóç ᾱέᾱᾱέἑᾱóḂᾱ, ᾱῖ ᾱᾱῖ èÜᾱᾱðᾱ ðᾱ ἰÝðñᾱ óᾱð ἑᾱέ ᾱḂἰᾱέ èÜêῖð ἰðῖñᾱḂ ἰᾱ ἑᾱᾱóðñÝðᾱðᾱ ðᾱ ðᾱñéᾱ÷ῖᾱῖᾱ Üêêῖῖ ᾱḂóêῖῖ ðῖò ðóððῖᾱðῖð.

ðñῖóÝἰðᾱ ðé èÜἰᾱðᾱ. ἈḂἰᾱέ ðῖéý ᾱýêῖῖῖ ἰᾱ ἑᾱᾱóðñÝðᾱðᾱ èÜêῖð ᾱḂóêῖῖ ᾱῖðéᾱýῖῖðᾱð ἰᾱ ᾱððÝð ðéð ᾱῖðῖéÝð. Ἀῖ Ý÷ᾱðᾱ ᾱῖðéᾱῖḂᾱð ᾱéÝᾱἰðᾱ ðᾱ ἰçῖýἰᾱðᾱ ðῖò ððñῖᾱ ἑᾱðÜ ðç ᾱέᾱᾱέἑᾱóḂᾱ ᾱéêḂῖçóçð ᾱéᾱ ἰᾱ ᾱñᾱḂᾱ ðç óùóðþ ððóéᾱðþ ᾱḂóêῖῖ.

ÖðóéèÜ ᾱᾱῖ Ý÷ῖðἰᾱ ἑᾱἰḂᾱ ᾱðéýῖç ᾱéᾱ æçῖéÝð ðῖò ἰðῖñᾱḂ ἰᾱ ðñῖéççêῖῖῖ. Ç ᾱðéýῖç ᾱḂἰᾱέ ᾱéèþ óᾱð!

1.4 Zip, Jazz, ἑᾱέ Üêéᾱ ᾱóᾱéñῖῖἰᾱῖᾱ ἰÝóᾱ

Ἰé ᾱóᾱéñῖῖᾱñé ᾱḂóêῖῖ ἰðῖñῖῖ ἰᾱ ᾱéᾱῖñòùêῖῖῖ óᾱῖ ἑᾱñῖéῖḂ ᾱḂóêῖῖ. Õῖ óçἰᾱῖðéèü ᾱḂἰᾱέ ἰᾱ ᾱḂἰᾱέ óðᾱᾱἰÝñð ἰ ῖᾱçᾱüð ðῖò ᾱḂóêῖῖ ἑᾱðÜ ðçῖ ᾱéêḂῖçóç ðῖò ðóððῖᾱðῖð ἑᾱέ ἰᾱ ᾱéóéÝðᾱ ἰÝóᾱ þóðᾱ ἰᾱ ἰðῖñÝóᾱé ἰ ððñῖᾱð ἰᾱ ᾱᾱḂ óùóðÜ ðçῖ ᾱᾱῖᾱðñḂᾱ ðῖò ᾱḂóêῖῖ. ÈῖéðÜἰðᾱ ðé èÝᾱé ç ᾱῖðῖèþ dmesg ᾱéᾱ ἰᾱ ᾱᾱḂᾱ ᾱῖ ç ððóéᾱðþ ᾱḂἰᾱέ óðçῖ èḂóðᾱ. Ἀéᾱ ðᾱñÜᾱᾱéᾱῖᾱ ᾱῖ ἰ ððñῖᾱð ᾱñÜðᾱé:

```
Can't get the size
```

òùðᾱ ᾱᾱῖ ððÜñ÷ᾱé ᾱéóéÝðᾱ óðῖῖ ῖᾱçᾱü. Ἀῖ ᾱḂἰᾱέ ᾱððü ἑᾱ ðñÝðᾱέ ἰᾱ ᾱðᾱῖᾱéèéῖþóᾱðᾱ òῖ ἰç÷Üῖçἰᾱ ðñéῖ ᾱῖéèῖÜóᾱðᾱ ἰᾱ ᾱéᾱῖñòþóᾱðᾱ ðçῖ ᾱéóéÝðᾱ.

2 Ἀéἰῖñòþῖῖἰᾱðᾱ ᾱḂóêῖῖð ᾱéᾱ ᾱðῖèèᾱéóðéèþ èᾱéòῖðñᾱḂᾱ

2.1 Ἀéóᾱᾱüᾱþ

Ἀððþ ç ðᾱñÜᾱñᾱðῖð ðᾱñéᾱñÜóᾱé ðþð ἰᾱ ððéÜἰᾱðᾱ ᾱḂóêῖῖð ἰüñῖ ᾱéᾱ òῖ FreeBSD. ÈðῖçèᾱḂᾱ üðé ἰé ᾱḂóêῖῖ ᾱðῖèèᾱéóðéèþð èᾱéòῖðñᾱḂᾱð ᾱᾱῖ ἰðῖñῖῖ ἰᾱ ᾱéᾱᾱóðῖῖῖ ᾱðü Üêéᾱ èᾱéòῖðñᾱéèÜ, ῖýðᾱ ἰᾱ èÜñῖῖ boot.

2.2 Ðþð ἰᾱ ððéÜἰᾱðᾱ ᾱḂóêῖῖð ᾱðῖèèᾱéóðéèþð èᾱéòῖðñᾱḂᾱð ἰᾱ òῖ Sysinstall

To /stand/sysinstall, òῖ ðñüᾱñᾱῖᾱ ᾱᾱéᾱðÜóðᾱóçð ðῖò ðóððῖᾱðῖð, Ý÷ᾱé ᾱðᾱéðᾱéᾱḂ óðéð ðᾱéᾱððᾱḂð ðῖò ᾱéᾱüóᾱéð þóðᾱ ἰᾱ ᾱðῖῖðῖᾱḂ ðçῖ ᾱéᾱᾱéἑᾱóḂᾱ ÷ññéóῖῖý ðüῖ ᾱḂóêῖῖ ἑᾱέ ἰᾱ ᾱðᾱéðᾱḂ èéᾱüðᾱñç ðñῖððÜèᾱéᾱ. Õᾱ ðñῖᾱñÜἰᾱðᾱ fdisk ἑᾱé disklabel ðῖò ððÜñ÷ῖῖ ðῖò ðῖò sysinstall ᾱḂἰᾱέ ᾱñᾱðéèῖý ðᾱñéᾱÜêῖῖðῖð (GUI - Graphical User Interface) ἑᾱέ ἰᾱéþῖῖῖ òῖ ἰðÝñᾱᾱῖᾱ ðῖò èῖðḂἰᾱðῖð ðüῖ ᾱḂóêῖῖ. ἈḂἰᾱέ ðñῖῖᾱῖþð ἰ ᾱðéῖῖüðᾱñῖð ðñüðῖð ἰᾱ èüðᾱðᾱ ᾱḂóêῖῖð ᾱðü ðçῖ Ýéᾱῖóç 2.1.7 ἑᾱέ ἰᾱðÜ ðῖò FreeBSD.

1. Ἰᾱééῖþóðᾱ òῖ sysinstall þð root ᾱñÜῖῖῖðᾱð

```
# /stand/sysinstall
```

óðçῖ ᾱñᾱῖḂ ᾱῖðῖèþῖ.

2. ἈðééÝἰðᾱ Index.
3. ἈðééÝἰðᾱ Partition.
4. ἈðééÝἰðᾱ òῖ ᾱḂóêῖῖ ðῖò èÝéᾱðᾱ ἰᾱ ᾱᾱéᾱóᾱóðþóᾱðᾱ ÷ñçóéῖῖðῖῖῖðᾱð ðᾱ ᾱᾱéÜéᾱ ἑᾱέ ἰᾱðÜ **SPACE**.

5. Ἀί ἑᾶ ÷ ñçóéíðìéþᾱᾱ ùèí òí ᾗðᾱéí ᾗέᾶ òí FreeBSD, ᾗðéé ῲíᾱ Ἀ.
6. Ἰùèéð ᾱᾱ ñòþᾱᾱ ᾱí ṽíòùð è ῲéᾱᾱ ἱᾱ òí èῲíᾱᾱ ᾱðòü (Do you still want to do this) ᾱðáíðþᾱᾱ Yes.
7. Ἀðéé ῲíᾱ Write.
8. Ἐᾶ ᾱᾱ ᾗῲéᾱ ἱᾱ ðñíᾱéᾱíðìþçóç ᾱ÷ᾱðééῲ ἱᾱ ᾱçí ᾗᾗñᾱðþ ᾱᾱ ððῲñ÷ííᾱ ᾱᾱðᾱþíᾱᾱ ᾱðáíðþᾱᾱ Yes.
9. Ἰùèéð ᾱᾱ ñòþᾱᾱ ᾱí è ῲéᾱᾱ ἱᾱ ᾗᾗᾱᾱᾱðᾱᾱ ῲíᾱ ῲíᾱ boot loader, ᾗðéé ῲíᾱ None ᾗέᾶ ἱᾱ ᾱðìöῲᾱᾱ ἱðìᾱᾱþðìᾱ ᾱᾱᾱᾱþ ᾱᾱ Master Boot Record. Ç ᾗᾗᾱᾱᾱᾱᾱᾱ ᾱíᾱð boot loader ÷ ñᾱᾱῲᾱᾱᾱᾱ ἱᾱí ᾱᾱ ἑᾱᾱíῲῲᾱᾱ ᾗᾗᾱᾱᾱᾱᾱᾱᾱ ᾱᾱ FreeBSD þ ᾱí ᾱ÷ᾱᾱῲᾱᾱᾱ ἱᾱ ᾱᾱᾱᾱᾱᾱᾱᾱ ᾱᾱ ᾱðᾱᾱ ᾱᾱ èῲðìᾱᾱ ῲᾱᾱ ἱç÷ῲíçᾱ.
10. Ḑᾱðþᾱᾱ **ENTER** ᾱᾱ ᾱçíᾱñòðééü ἱþíᾱᾱ ðìᾱ è ῲᾱᾱ “Wrote FDISK partition information out successfully”.
11. Ἀðéé ῲíᾱ Quit ᾗέᾶ ἱᾱ ᾗᾗᾱᾱᾱ ᾱðü òí FDISK Editor ἑᾱᾱ ἱᾱðῲ **ESCAPE** ᾗέᾶ ἱᾱ ᾱðéᾱᾱᾱῲᾱᾱ ᾱᾱ Index menu.
12. Ἀðéé ῲíᾱ Label ᾱðü òí Index menu.
13. Ἰñῲᾱᾱ ᾱᾱ ᾱðᾱᾱ ᾱᾱ ṽðùð è ῲéᾱᾱ (ᾱᾱþ ἱñþᾱᾱᾱ ᾱᾱ partitions). Ἀí è ῲéᾱᾱ ἱᾱí ῲíᾱ partition Ḑᾱðþᾱᾱ ᾱᾱ c ᾗέᾶ ἱᾱ ᾱçíᾱᾱᾱᾱᾱᾱ ᾱᾱ partition. Ἰᾱðῲ ᾱðᾱᾱ ᾗᾱ÷ᾱᾱᾱᾱ ᾱᾱ Ḑñíᾱðᾱᾱᾱᾱ ῲᾱ ᾗᾱ ᾱᾱᾱᾱᾱᾱᾱᾱᾱ ῲíᾱ size, partition type Filesystem, ἑᾱᾱ mountpoint (ᾱᾱ ἱðìþí ᾗᾱí ÷ ñçóéíðìᾱᾱᾱᾱᾱ).
14. Ḑᾱðþᾱᾱ w ἱᾱèð ᾱᾱᾱᾱᾱᾱᾱ ἑᾱᾱ ᾱðᾱᾱᾱᾱᾱᾱ ᾱᾱ ᾱᾱᾱᾱᾱᾱ ᾗᾱ ᾱᾱ ᾱᾱᾱᾱᾱᾱᾱᾱᾱ. ᾱᾱ ᾱᾱᾱᾱᾱᾱᾱᾱ. ᾱᾱ filesystem ἑᾱ Ḑᾱñᾱᾱᾱᾱ ᾱᾱᾱᾱᾱᾱ ᾱðü ᾱçí ᾱᾱᾱᾱᾱᾱᾱ ᾱᾱᾱᾱ ᾱí ᾱðᾱᾱᾱᾱ ᾱᾱ ᾱᾱᾱᾱᾱᾱᾱ. (Ἀí ᾱῲᾱᾱᾱ ἑᾱᾱíῲῲᾱᾱᾱᾱᾱ partition ᾱᾱ ᾱᾱᾱᾱᾱᾱ ἱᾱ ᾱᾱ èῲíᾱᾱ!). Ἐᾶ ᾱᾱ ᾱþᾱᾱ ᾱᾱ èῲᾱᾱ:

```
Error mounting /mnt/dev/ad2s1e on /mnt/blah : No such file or directory
```

Ἀᾱñþᾱᾱ ᾱᾱ.

15. Ḑᾱðþᾱᾱ ᾱᾱᾱᾱᾱᾱ ᾱᾱ **ESCAPE** ᾗέᾶ ἱᾱ ᾗᾗᾱᾱᾱ.

2.3 Ḑùð ἱᾱ ᾱᾱᾱᾱᾱᾱ ᾱðᾱᾱᾱᾱ ᾱðìᾱᾱᾱᾱᾱᾱᾱᾱᾱᾱᾱ ᾱᾱᾱᾱᾱᾱᾱᾱᾱ ἱῲᾱ ᾱðü ᾱçí ᾗᾱᾱᾱþ ᾱᾱᾱᾱᾱ

Ἀᾱᾱᾱᾱᾱᾱ ᾱᾱ Ḑᾱñᾱᾱᾱᾱ ᾱᾱᾱᾱᾱᾱ ᾱᾱᾱᾱᾱᾱᾱᾱᾱᾱᾱ ᾱᾱ ad2 ἱᾱ ᾱᾱ ἱᾱᾱᾱ ᾱçð ᾱᾱᾱᾱᾱᾱᾱ ᾱᾱ ᾱðᾱᾱᾱ (ᾱñῲᾱᾱ dmesg ἱᾱ ᾱᾱῲᾱᾱᾱ ᾱᾱ ᾱᾱᾱᾱ ᾱᾱᾱᾱ).

```
# dd if=/dev/zero of=/dev/ad2 count=2
# disklabel /dev/ad2 | disklabel -B -R -r ad2 /dev/stdin
Ἐῲᾱᾱᾱ ἱᾱí ῲíᾱ partition, ἱðùᾱ ἱðìῲῲᾱ ἱᾱ ÷ ñçóéíðìᾱᾱᾱᾱ ᾱᾱ èñῲᾱᾱ 'c':
# newfs /dev/ad2c
```

Ἀí ÷ ñᾱᾱῲᾱᾱᾱᾱ ἱᾱ ᾱᾱῲᾱᾱᾱ ᾱᾱ disklabel ᾗᾱ ἱᾱ ÷ ñçóéíðìᾱᾱᾱᾱ Ḑᾱᾱᾱᾱᾱᾱ partitions (ᾗᾱ Ḑᾱñῲᾱᾱᾱᾱ ᾱᾱ è ῲéᾱᾱ swap) ᾱᾱᾱ èῲíᾱᾱ:

```
# dd if=/dev/zero of=/dev/ad2 count=2
# disklabel /dev/ad2 > /tmp/label
Ἀñþᾱᾱ ᾱᾱ disklabel ᾗᾱ ἱᾱ Ḑñíᾱᾱᾱᾱᾱᾱ partitions:
# vi /tmp/label
# disklabel -B -R -r ad2 /tmp/label
ᾱᾱᾱᾱᾱᾱᾱ ᾱçí ᾱᾱᾱᾱᾱᾱᾱ newfs ᾱᾱᾱ partitions ἱðùð Ḑñῲᾱᾱ
```

Ἰ ᾱðᾱᾱᾱ ᾱᾱ ᾱᾱᾱᾱ ῲᾱᾱᾱᾱ Ḑñᾱ ÷ ñþóç.

3 Äéàìĩñöþííîàò äßóêîĩò ãéá óõîàáôÐ ëäéôîĩñãßá

3.1 ÁéóáñùñÐ

Ç añāñiḤ āśīōēḥḥi āśīāēē īāśī ī āōēēuōāññīō ññūḍñō āēā īā ōōēŪīāōā āśōēīōō āḍīēēāēōōēēḥḥō ēāēōīōñāḥāō āēēŪ āśīāē ēāē ī āōōēēuōāññīō āēā īā ōōēŪīāōā ōōīāāōīōyō āśōēīōō. Ōī _{fdisk} āḍū ōçſ añāñiḤ āśīōēḥḥi ēŸēāē ḍāñēōōūōñāñāō āḥḥōāēō īāēçīāōēēḥḥi ēāē ḍīēēŸō āḥḥōāēō ò÷āōēēŪ īā ōīī ḍḥīāēā ēñīāōēḥḥi, ēŪōē ḍīō ḍñīōāḥḥō āāī ÷ñāēŪāōāēē īā īŪēāōā. Āē āḍōū ÷ñçōēīīḍīēēḥḥōāō ōī sysinstall āēā īā ōōēŪīāōā ōōīāāōīōyō āśōēīōō āēēīōēḥḥiāōāō ḍēō īāçāḥāō ḍāñāēŪōū.

3.2 Ðò à ööÜîâöä äßóêîõò óõîááòÐò ääéôîõñãßàò à öî Sysinstall

1. ÎâêíÐóâ ôï sysinstall þò root ãñÜöííôáò

```
# /stand/sysinstall
```

óôçí ãñáììÐ áíôïëþí.

2. Ἀδελφὸς Ἰωάννης Index.
3. Ἀδελφὸς Ἰωάννης Partition.
4. Ἀδελφὸς Ἰωάννης οἱ ἀβελεῖς διὸ ἐΥχέσθαι ἵνα ἀναεὶ ἀποδόσθαι ὁ ÷ ἡγοῦνται ἐπὶ τὸ ὅτι ἀνεῖται ἐὰν ἴσῃ **SPACE**.
5. Αἱ ἐὰ ÷ ἡγοῦνται ἐπὶ τὸ ὅτι ἡμεῖς οἱ ἀβελεῖς ἀεὶ οἱ FreeBSD, Ἀδελφὸς Ἰωάννης A.
6. ¼ὁ αἱ ὁὰν ἀποδοῦναι:

Do you want to do this with a true partition entry so as to remain cooperative with any future possible operating systems on the drive(s)?

(ÈYēāōā īā ōī ēŬīāōā āōōū īā ðñāāīāōēēŬ ēmŬōēā āēā īā ðāñāīāBīāē ōōīāāōūō īā Ŭēēā ēāēōīōñāēēŬ ōōōōPīāōā?) ÁðāīōPōōā y_{es} .

7. **ΆδεέΎίοά Write.**
8. **¼οάί οάο æçðçëåß íá ääëáóáóðßóåðå öíí boot manager, áðëëΎίοά None íà öí **SPACE** éáé íåðÛ **ENTER** äéá OK.**
9. **Quit (ääåßðå) áðu öí FDISK Editor.**
10. **Èá óáo ñùðßóåé èÛðé ó÷åðëü íà öíí boot manager ðÛëé, áðëëΎίοå None íáfÛ.**
11. **ΆδεέΎίοå Label áðí öí Index menu.**
12. **ÍñÛóóå öí äßöëí üðüð èΎëåðå (ääß éå ïñßóåðå óå partitions). Áí èΎëåðå íüíí Ύía partition áðëßð äå÷ëåßåð óéð ðñíäëëëíΎð äéå óå ðñíëåñëíóíΎía size, partition type filesystem, éáé mountpoint (öí íðíßí äåí ÷ñçóéíðíëåßóåé).**
13. **Öí filesystem éå ðñåáóóåß áóðüüåóå áðu öçí áíöíëß newfs åëüüð áí áðëëΎίòå öí áíóðëåöí. Áí åÛæåðå éåéñññåéí partition óáo óöíöΎñåé íå öí èÛíåðå! Èå óáo äßóåé öí èÛëð:**

```
Error mounting /mnt/dev/ad2s1e on /mnt/blah : No such file or directory
```

ÁãíîÞóôâ ôï.

14. ÐáôÞóôâ óõíá÷üìáíá ôï **ESCAPE** ãéá íá âãâðâ.

Ἰ ᾱβóêῖð óᾱð ᾱβῖᾱέ Ὠῖêῖð ðñῖð ÷ñῖóç.

4 ¶ēēᾱò ēᾱéôῖñᾱḂᾱò ἰᾱ ôῖð ᾱβóêῖð

4.1 ḂñῖóēΨôῖῖᾱò swap.

Ἐᾱêῖð Ὠῖᾱ óýóçῖᾱ ᾱðᾱêðᾱβῖᾱðᾱέ, ç ᾱῖῖᾱêç ᾱέᾱ ἰᾱᾱᾱýôᾱñῖ swap ᾱβῖᾱðᾱέ ἡῖῖ ἔᾱέ ðéῖ ᾱðéóᾱéðéêῖῖ. Ḃᾱñῖῖῖ ðῖð òῖ ἰᾱ ḂñῖóðᾱêᾱḂ swap óᾱ Ὠῖᾱῖ ððῖñ ÷ῖῖᾱ ᾱβóêῖῖ ᾱβῖᾱέ ðññᾱñῖ ᾱýóêῖῖ, Ὠῖᾱð ἔᾱéῖῖñᾱéῖð ᾱβóêῖð ἰðῖñᾱḂ ἰᾱ ἱñῖῖðῖéçᾱḂ Ὠðóé ῖóðᾱ ἰᾱ ḂᾱñéΨ ÷ᾱέ òῖ ᾱðéðēΨῖ swap ðῖð óᾱð ēᾱḂðᾱέ.

Ἄέᾱ ἰᾱ ḂñῖóēΨóᾱð swap ἔᾱêῖð ᾱῖᾱᾱðᾱ Ὠῖᾱ ᾱβóêῖῖ óῖῖ óýóçῖᾱ:

1. Ἐᾱêῖð ēῖᾱᾱðᾱ òῖ ᾱβóêῖῖ (partitioning) ᾱēῖῖᾱ òῖ disklabel ἔᾱέ ἱñḂóðᾱ ÷ῖñῖ ᾱέᾱ swap óῖῖ ēñῖῖðé (partition) ‘b’ ἔᾱέ ᾱῖῖðᾱ òῖῖ ððῖῖῖῖðῖ ÷ῖñῖ óᾱ ēῖḂῖῖῖ ῖῖῖῖ ēñῖῖðé, Ḃ.÷. óῖῖ ‘a’ ῖ óῖῖ ‘e’. Ὀῖ ἰΨᾱᾱῖð ðῖð ᾱβῖᾱðᾱ ᾱβῖᾱέ óᾱ blocks òῖῖ 512 bytes.
2. ῖᾱᾱῖ ēῖῖᾱðᾱ newfs óῖῖῖ ᾱβóêῖῖ, Ἰçῖ òῖ ēῖῖᾱðᾱ óῖῖ ēñῖῖðé ‘c’. ἈῖðḂᾱᾱᾱ, ēῖῖᾱ òῖ ἰῖῖῖ óῖῖ ēñῖῖðé ðῖð ᾱᾱῖ ᾱβῖᾱέ swap.
3. ḂñῖóēΨóᾱ óῖῖ /etc/fstab òῖ Ḃᾱñᾱēῖðᾱ:

```
/dev/ad0b                                none                swap                sw 0 0
```

Ἀēῖῖᾱ òῖ /dev/ad0b óῖῖ ῖñῖᾱ òçð ἔᾱéῖῖñᾱéᾱð óᾱð óðóéᾱðḂð.

4. Ἄέᾱ ἰᾱ ᾱῖᾱñᾱῖðῖῖῖῖᾱ ῖῖᾱᾱ òῖ ἰΨῖ swap ÷ñçóêῖῖðῖῖῖῖ òçῖ ᾱῖðῖῖῖ swapon

```
# swapon /dev/da0b
swapon:  added /dev/da0b as swap space
```

4.2 Ἀῖðéᾱñῖῖῖῖᾱò ᾱᾱ Ḃᾱñéᾱ ÷ῖῖᾱῖᾱ ᾱβóêῖῖ

Ἀðῖ òῖῖ: Renaud Waldura (<renaud@softway.com>)

Ἄέᾱ ἰᾱ ἰᾱðᾱéῖῖῖῖᾱ ᾱñ ÷ᾱḂᾱ ᾱðῖ ᾱñ ÷éêῖ óᾱð ᾱβóêῖῖ óᾱ Ὠῖᾱῖ ἔᾱéῖῖñᾱéῖ, ēῖῖᾱ:

```
# mount /dev/ad2 /mnt
# pax -r -w -p e /usr/home /mnt
# umount /mnt
# rm -rf /usr/home/*
# mount /dev/ad2 /usr/home
```

4.3 ÖöéÛîôå åíùìÝíĩòò äßóêĩõò ìå ôĩ CCD

Áđĩ ôĩĩ: Stan Brown (<stanb@awod.com>)

Ìà òí Concatenated Disk Driver, Ð àèèèþò CCD, ìðíñáßòá íá Ý÷-àòá ðreerýò uùieréòð àßòéiròð àèèÛ íá òòìðñèòéÝñiróáé uò Ýíàð. Ç àéááééáòá éÝÝñáòáé òòá÷þrìáòóç (striping). Ìà òçí àðéèùèèçòç Ý÷-àòá éáéýòáñá àðiròáéÝíóíáá òóçí òá÷-ýòçòá àðáèäÞ ìèñÛÞæiróáé íé ááññáòÝð éáé íé áíááñþòáéð òóiròð àßòéiròð. ÁéááÛòòá òéð manual pages ccd(4) éáé ccdconfig(8) Ð òçí áñ÷èèÞ òáèßáá òiò CCD (<http://stampede.cs.berkeley.edu/ccd/>) áéá ðñéóóòùòñáð èððòñÝñéáð.

Ἀέα ία ὀñŸíāōā CCD ḑēŸíí āāí ÷ ñāēŸēāōōāā āēāēēū ḑōñŸíā. ĩā ḡçí āíōīēŸ ccdconfig, ōññōŸíāōāē ōí ēāōŸēēçēī
 KLD āōōūīāōā āí ī ḑōñŸíāōā āāí Ÿ ÷ āē Ÿāç ḑōīōōŸñēíç āēā CCD.

Όά CCD όόεŨ÷ññόάε όά partitions όýđř 4.2BSD. Άí εŸεάόά íá ÷ñçόέíñđíεPόάόά üēř όñř äßóēř έάε đŨεē đñŸđάε íá όόεŨíñάόά Ÿíá íŸí partition. Άέά đánŨüάέäíá, ç ářđřεP **disklabel** -e đřññäß íá ääßíáε:

```
#          size  offset  fstype  [fsize bsize bps/cpg]
c: 60074784      0    unused        0      0      0  # (Cyl.  0 - 59597)
```

Äär iðriñaðöa ía ÷ ñçöéúðriëÐaðöa öi partition c áéá CCD, äöüüíí áðíáé öýðíö *unused*. Áíððèäöä äçìèröñāÐööä Ýíá íÝí partition áéñéäðð Ðæíró iāāÝèíöð äèÛ öýðró 4.2BSD:

```
#          size      offset      fstype    [fsize bsize bps/cpg]
c: 60074784         0      unused         0         0         0 # (Cyl.   0 - 59597)
e: 60074784         0      4.2BSD         0         0         0 # (Cyl.   0 - 59597)
```

[illegible]

```
# cd /dev ; sh MAKEDEV ccd0

# disklabel -r -w da0 auto
# disklabel -r -w da1 auto
# disklabel -r -w da2 auto

# disklabel -e da0
ᐃᑦᑦᑦᑦᑦᑦᑦᑦᑦᑦ ᐃᑦᑦᑦᑦᑦᑦ 4.2BSD
# disklabel -e da1
ᐃᑦᑦᑦᑦᑦᑦᑦᑦᑦᑦ ᐃᑦᑦᑦᑦᑦᑦ 4.2BSD
# disklabel -e da2
ᐃᑦᑦᑦᑦᑦᑦᑦᑦᑦᑦ ᐃᑦᑦᑦᑦᑦᑦ 4.2BSD

# ccdconfig ccd0 273 0 /dev/da0e /dev/dale /dev/da2e

# newfs /dev/ccd0c
```

Ç öειΡ 273 αβίαι öι Υΰααεìò öìò stripe. Άβίαι ι ανέειυò öìυρ sectors (512 bytes ι έαεΰιάò) óα εΰεα block ααανΰíυρ öìò CCD. Έα öñΥðαι ία αβίαι öìρεΰ ÷ έóóιρ 128 kB. έαε ααρ öñΥðαι ία αβίαι άΰíαιç öìò 2.

Ôpñá ìďĩñáßôâ íá êÛíáôâ mount êáé íá ÷ñcôéiĩđiépóáôâ ôi CCD óáo ìÝòù ôcò óóóêãõPò /dev/ccd0c.

ἵά θεῦ ἀοῖάου ἐάε ἀὼΎέέοῖ ἀῖαέεάέοέεῦ ὀῖο CCD ἀῖῖάέ ὀῖ Vinum. Δᾶñέοόῦδᾶñᾶ ὀέçñῖῡῖñḂᾶ ὀῖῖ Vinum Project home page (<http://www.vinumvm.org/>).

5 Ἀð÷ᾗñéóôþâð

Ì óðᾗᾗᾗᾗᾗÝᾗð èᾗ þèᾗᾗᾗ ἰᾗ ᾗð÷ᾗñéóôþâðᾗ òíðð ðᾗᾗᾗᾗᾗᾗᾗ ᾗᾗᾗ ὁçí óðíᾗᾗóðíñᾗᾗ òíðð óᾗ ᾗððþ ὁçí ᾗñᾗᾗóþᾗ òíðð:

- Darryl Okahata (<darrylo@hpnmhjw.sr.hp.com>) ᾗᾗᾗ òᾗð ᾗðᾗÝð ἰᾗçᾗᾗᾗð ᾗᾗᾗᾗᾗᾗᾗᾗᾗᾗ ᾗᾗᾗð ᾗᾗᾗᾗᾗ ὁᾗ ᾗðíᾗᾗᾗᾗᾗᾗ ὁñüðí ᾗᾗᾗᾗᾗᾗᾗᾗᾗᾗ, ὁᾗð ἰðíᾗᾗᾗ ᾗ÷ᾗ ðíᾗᾗÝð ὁíñÝð ÷ñçóᾗñðíᾗᾗᾗᾗ ὁᾗçí FreeBSD-questions.
- Jordan K. Hubbard <jkh@FreeBSD.org> ðíð ᾗᾗᾗᾗ ὁí sysinstall ÷ñþᾗᾗᾗ ᾗᾗᾗ ὁÝᾗᾗᾗᾗ ᾗᾗᾗᾗð ᾗᾗᾗᾗᾗᾗᾗᾗ.
- John Fieber (<jfieber@indiana.edu>) ðíð ᾗᾗᾗᾗ ὁᾗð ðᾗçñíñíñᾗᾗð ᾗᾗᾗ ὁᾗ ᰇᾗᾗᾗᾗᾗᾗᾗᾗᾗ ᾗᾗᾗ ὁí DocBook DTD ðᾗᾗᾗ ὁᾗᾗ ἰðíᾗᾗ ᾗððü ὁí ᾗᾗᾗᾗñ ᾗᾗᾗᾗᾗᾗᾗᾗ.
- Greg Lehey <grog@FreeBSD.org> ðíð ᾗᾗᾗᾗᾗ ὁçí ᾗᾗᾗᾗᾗᾗᾗ ἰᾗð, øᾗ÷ñíᾗᾗð ᾗᾗᾗ ᾗᾗᾗᾗᾗᾗᾗᾗᾗᾗ, ᾗᾗᾗ ᾗᾗᾗ ὁçí ὁðíᾗðþñᾗᾗ ὁíð ὁᾗ ᾗᾗᾗᾗñᾗ ἔÝᾗᾗᾗᾗ.