

A Newbie View of T_EX

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All the Math I know

- Not a mathematician
- Not the son of a mathematician
- My wife balances the checkbook
- Logarithms are exponential

The Employer

The screenshot shows a web browser window with the title "MDaemon Mail Server, RelayFax, LDaemon, and WebAdmin". The address bar shows "http://www.altn.com/". The browser's toolbar includes navigation buttons and a search bar. The website header features the alt-n technologies logo and the slogan "Helping the World Communicate!". A blue navigation bar contains links for Home, Products, Purchase, Upgrade, Download, Support, Beta, Partners, and Company. The main content area is divided into several sections:

- Left Sidebar:** Contains links for MDaemon, GroupWare, AntiVirus, LDaemon, WebAdmin, and RelayFax. It also includes a "Login" section with links for "New user" and "Lost Password?", a message stating "Your basket is empty.", and a "Technical Support?" link. At the bottom, there is a "Site Map" section with links for "Contact Us", "Legal Notices", and "Privacy Policy", followed by a copyright notice for 2003.
- Home Section:** Features a "Home" link and two main product highlights. The first highlight is for "alt-n MDAEMON", described as a standards-based SMTP/POP/IMAP mail server with features like spam protection and virus security. The second highlight is for "alt-n MDAEMON GroupWare", which integrates with Microsoft Outlook. Both highlights mention "Upgrade Protection".
- Worldwide Partners:** A section with a world map showing various regions highlighted in different colors.
- Reviews:** A section listing reviews from "PCW Recommends GroupWare" and "PC PRO Rates MDAEMON 5 Stars", with a "More..." link.
- Press Center:** A section listing a press release titled "'Value-for-Money' Earns MDAEMON Five Stars from PC PRO".

The Job

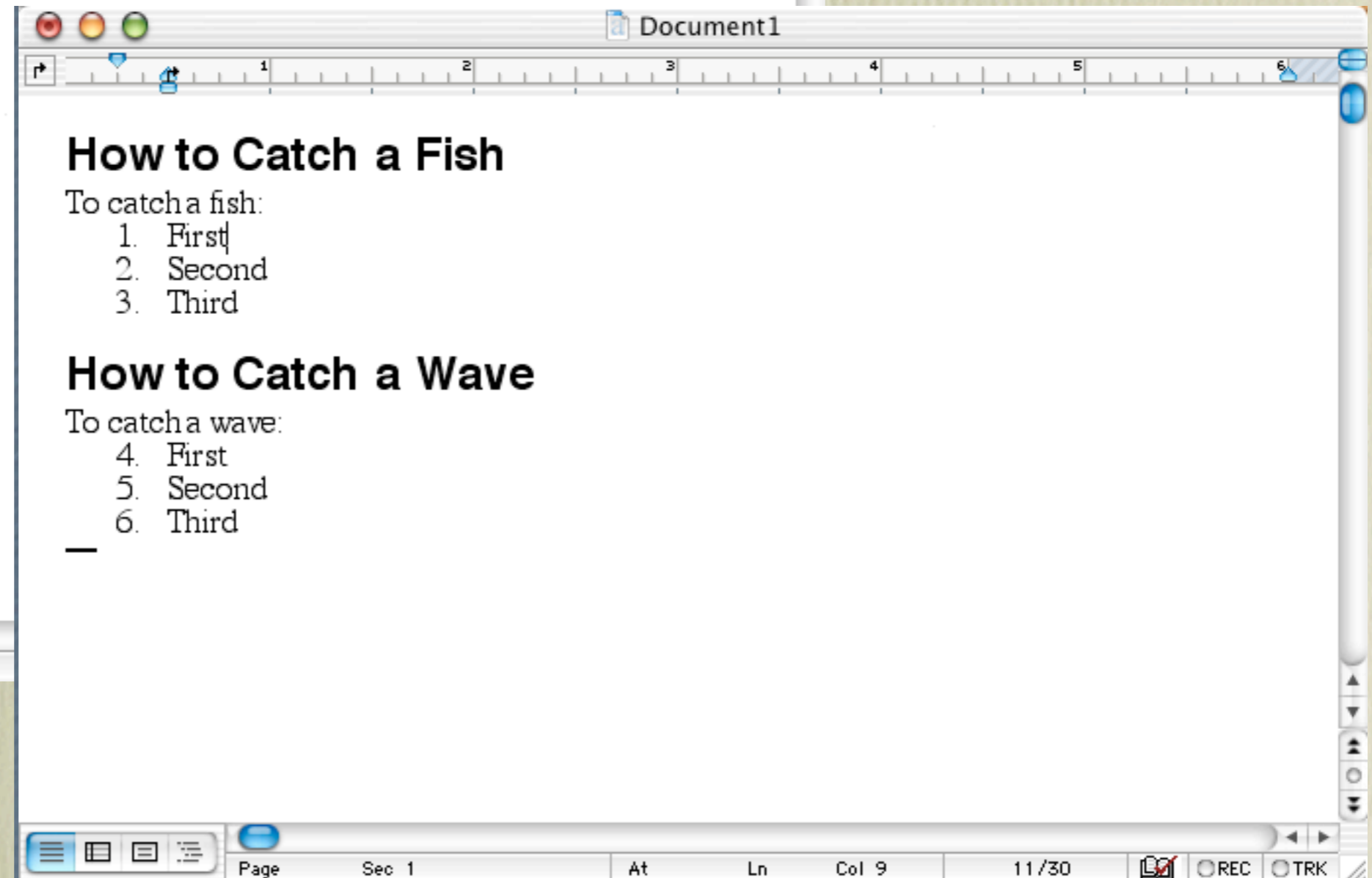
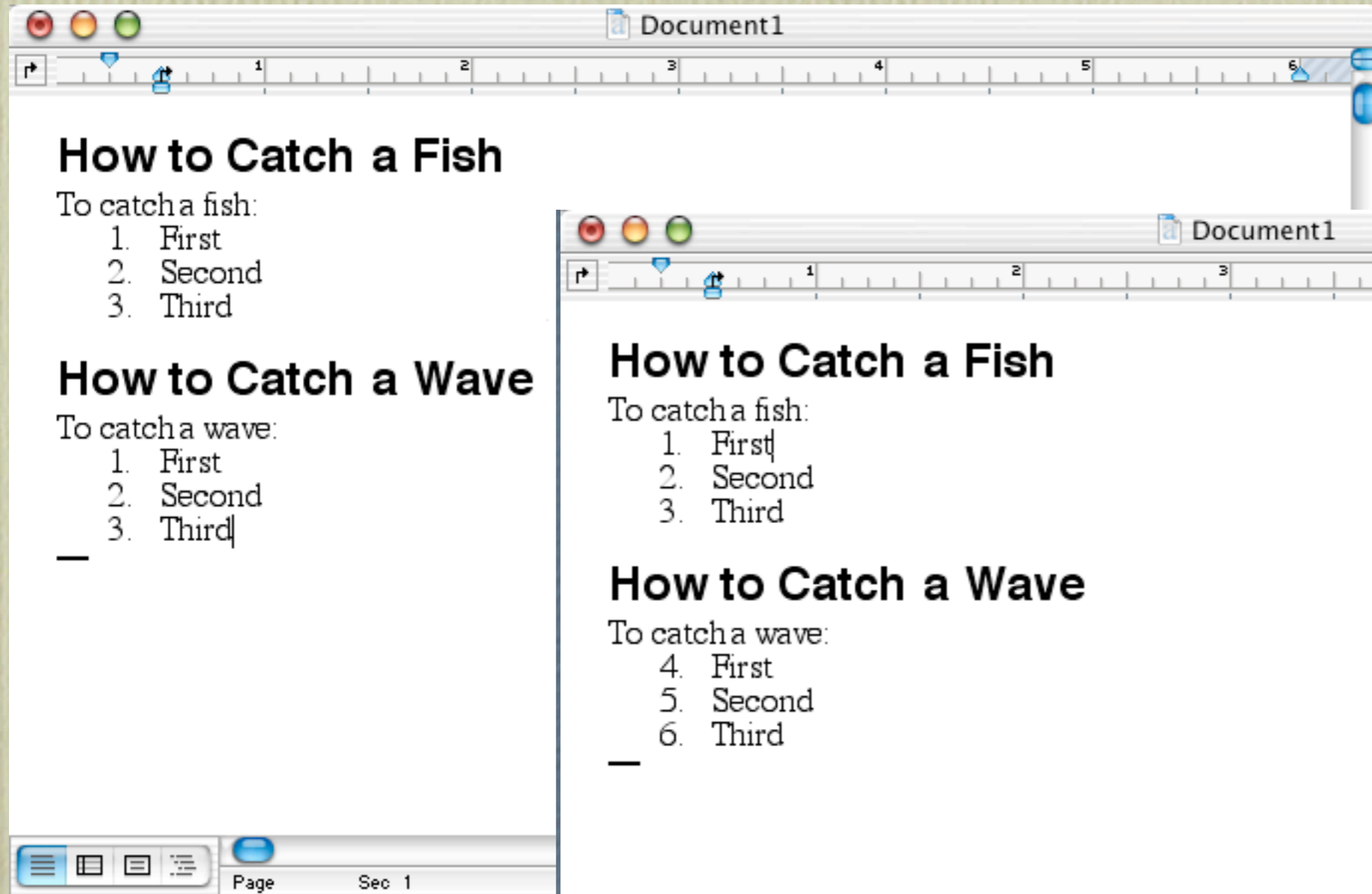
The Need

- PDF output for web
- HTML segment output for web
- Documents that can be localized by our distributors -- that is MS Word
- Easy maintenance source

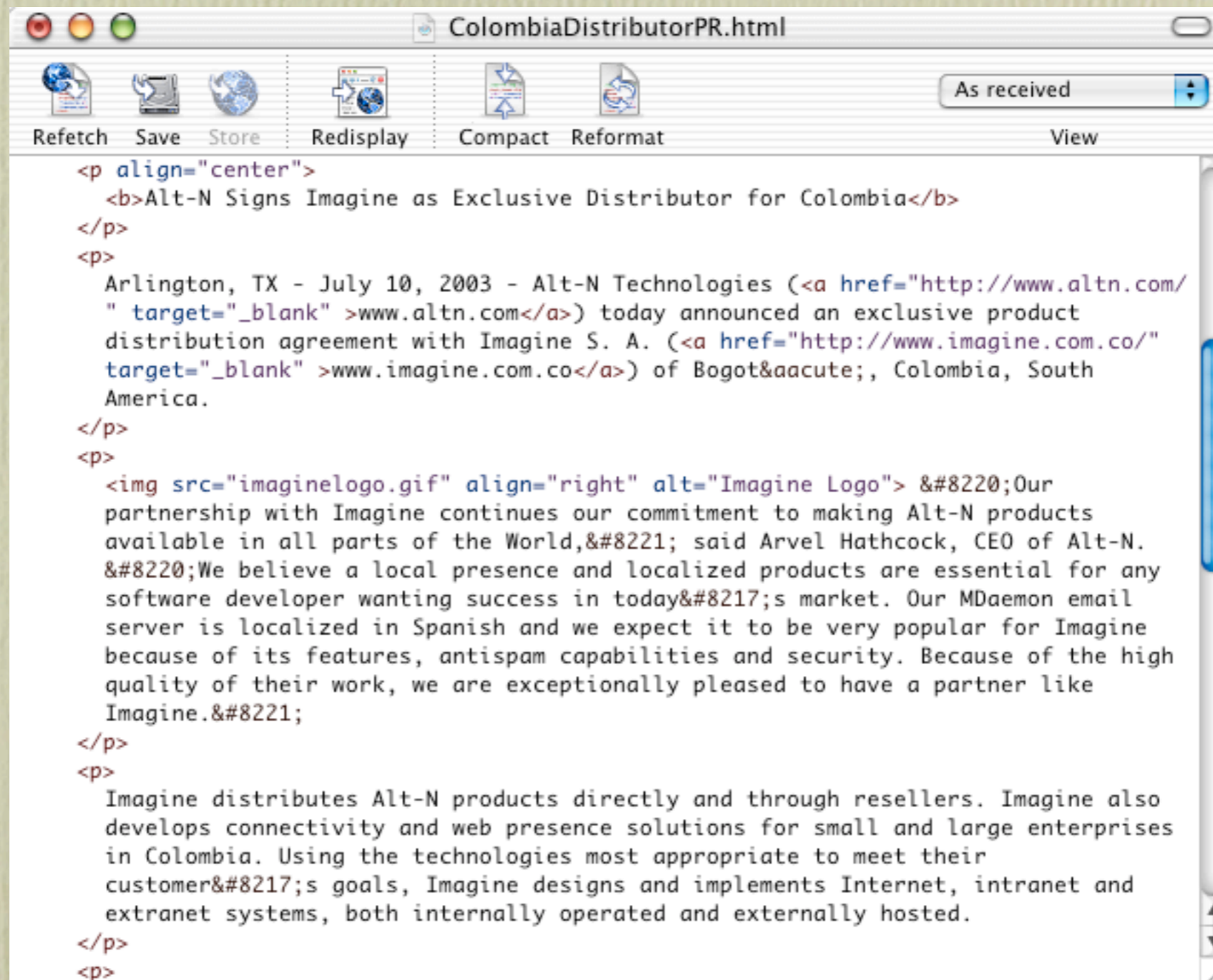
The Common Solution

- Microsoft Word
 - Print as PDF, innate to Mac OS X
 - Export to HTML (Ugh!)
 - Styles that don't work
 - Numbered lists, for example, work inconsistently
- Too Much Like Work

The “Joy” of Word Numbered Lists



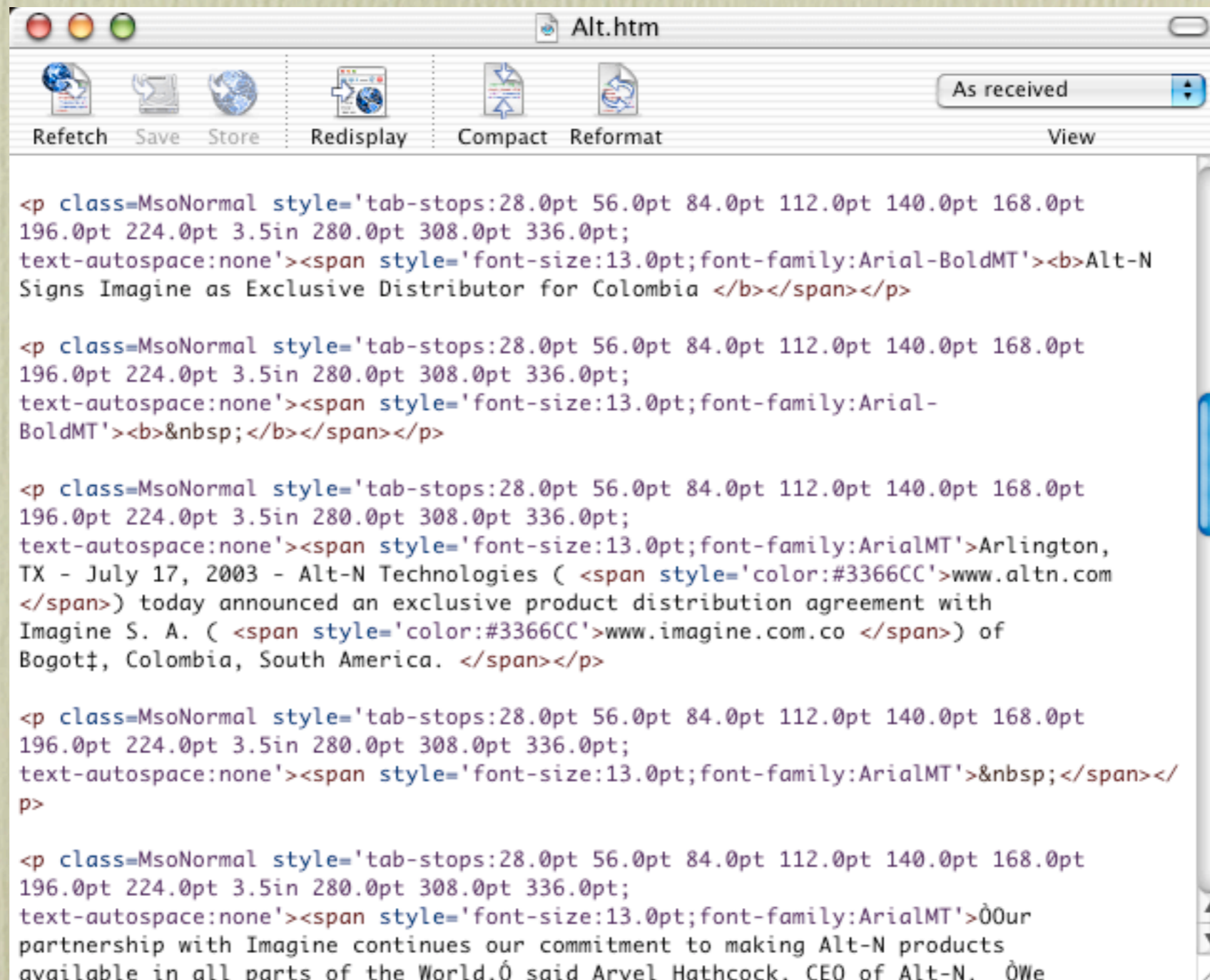
HTML Requirement



The image shows a screenshot of a web browser window displaying the HTML source code for a file named 'ColombiaDistributorPR.html'. The browser's menu bar includes options like 'Refetch', 'Save', 'Store', 'Redisplay', 'Compact', 'Reformat', and 'View'. A dropdown menu is currently set to 'As received'. The source code is displayed in a monospaced font and includes several paragraphs of text and an image tag. The first paragraph is centered and bolded. The second paragraph describes a press release from July 10, 2003, regarding an exclusive distribution agreement between Alt-N Technologies and Imagine S. A. in Bogotacute;, Colombia. The third paragraph contains an image tag for 'Imagine Logo' followed by text about the partnership. The fourth paragraph describes Imagine's services in Colombia.

```
<p align="center">
  <b>Alt-N Signs Imagine as Exclusive Distributor for Colombia</b>
</p>
<p>
  Arlington, TX - July 10, 2003 - Alt-N Technologies (<a href="http://www.altn.com/"
  " target="_blank" >www.altn.com</a>) today announced an exclusive product
  distribution agreement with Imagine S. A. (<a href="http://www.imagine.com.co/"
  target="_blank" >www.imagine.com.co</a>) of Bogotacute;, Colombia, South
  America.
</p>
<p>
   &#8220;Our
  partnership with Imagine continues our commitment to making Alt-N products
  available in all parts of the World,&#8221; said Arvel Hathcock, CEO of Alt-N.
  &#8220;We believe a local presence and localized products are essential for any
  software developer wanting success in today&#8217;s market. Our MDaemon email
  server is localized in Spanish and we expect it to be very popular for Imagine
  because of its features, antispam capabilities and security. Because of the high
  quality of their work, we are exceptionally pleased to have a partner like
  Imagine.&#8221;
</p>
<p>
  Imagine distributes Alt-N products directly and through resellers. Imagine also
  develops connectivity and web presence solutions for small and large enterprises
  in Colombia. Using the technologies most appropriate to meet their
  customer&#8217;s goals, Imagine designs and implements Internet, intranet and
  extranet systems, both internally operated and externally hosted.
</p>
<p>
```


The “Joy” of Word HTML



```
<p class=MsoNormal style='tab-stops:28.0pt 56.0pt 84.0pt 112.0pt 140.0pt 168.0pt 196.0pt 224.0pt 3.5in 280.0pt 308.0pt 336.0pt; text-autospace:none'><span style='font-size:13.0pt;font-family:Arial-BoldMT'><b>Alt-N Signs Imagine as Exclusive Distributor for Colombia </b></span></p>

<p class=MsoNormal style='tab-stops:28.0pt 56.0pt 84.0pt 112.0pt 140.0pt 168.0pt 196.0pt 224.0pt 3.5in 280.0pt 308.0pt 336.0pt; text-autospace:none'><span style='font-size:13.0pt;font-family:Arial-BoldMT'><b>&nbsp;</b></span></p>

<p class=MsoNormal style='tab-stops:28.0pt 56.0pt 84.0pt 112.0pt 140.0pt 168.0pt 196.0pt 224.0pt 3.5in 280.0pt 308.0pt 336.0pt; text-autospace:none'><span style='font-size:13.0pt;font-family:ArialMT'>Arlington, TX - July 17, 2003 - Alt-N Technologies ( <span style='color:#3366CC'>www.altn.com </span>) today announced an exclusive product distribution agreement with Imagine S. A. ( <span style='color:#3366CC'>www.imagine.com.co </span>) of Bogotá, Colombia, South America. </span></p>

<p class=MsoNormal style='tab-stops:28.0pt 56.0pt 84.0pt 112.0pt 140.0pt 168.0pt 196.0pt 224.0pt 3.5in 280.0pt 308.0pt 336.0pt; text-autospace:none'><span style='font-size:13.0pt;font-family:ArialMT'>&nbsp;</span></p>

<p class=MsoNormal style='tab-stops:28.0pt 56.0pt 84.0pt 112.0pt 140.0pt 168.0pt 196.0pt 224.0pt 3.5in 280.0pt 308.0pt 336.0pt; text-autospace:none'><span style='font-size:13.0pt;font-family:ArialMT'>ÓOur partnership with Imagine continues our commitment to making Alt-N products available in all parts of the World,Ó said Arvel Hathcock, CEO of Alt-N. ÓWe
```

The Other Solution

- $T_E X$ (Don Knuth)
- $teT_E X$ (Gerben Wierda)
- $LaT_E X$ (Leslie Lamport)
- $T_E X_{4ht}$ (Eitan Gurari)
- $T_E XShop$ (Richard Koch)

Learning T_EX - One

- Document Composition Facility
- nroff, troff
- PC Script
- HTML
- Learning curve for T_EX the same as Word

Learning T_EX - Two

- Read the T_EX Book (Whew!)
- Online LaT_EX tutorials
- Gentle Introduction to T_EX
- Not So Short Intro to LaT_EX
- TeX List <MacOSX-TeX@email.esm.psu.edu>

Packages

- Essential
 - `\usepackage{graphicx}`
 - `\usepackage{here}`
 - `\usepackage{hyperref}`
- Secondary
 - `\usepackage{fancyhdr}`
 - `\usepackage{lettrine}`
 - `\usepackage{makeidx}`

Example

- Source in TeXshop
- PNG Graphics
- LaTeX the source to check for errors
- TeX4ht the source to output HTML
 - Custom config file by Eitan for HTML
 - Standard config file for HTML --> Word
- Edit the output slightly with OmniWeb

Thing I would like to know

- Wrap text around images
 - Hard coding will not work because of maintenance issues
- Convert TeX₄ht XML to HTML, Word, Whatever
- Math :)
- ConTeXt

Thing that could be better

- Wrap text around images
- Documentation and tutorials for the total beginner
- LyX???? I don't know.

The Document Preparation System that Roared

