Sieve Date and Index

Ned Freed (presented by Chris Newman)

Date Extension

1. date test

    Similar to address but tests RFC 2822 datetime values.

    Looks for values at the end of a header field. This works on Received: and Date: fields (and X400-Received:!)

2. currentdate test

    Tests current date/time.

Date "Part" Tests

"year"   => the current year, "0000" .. "9999"
"month"   => the current month, "01" .. "12"
"day"   => the current day, "01" .. "31"
"julian"   => the Julian date, that is, the date expressed
                as an integer number of days since
                January 1, 4713 BCE (on the Julian calendar).
"hour"   => the current hour, "00" .. "23"
"minute"   => the current hour, "00" .. "59"
"second"   => the current second, "00" .. "59"
"iso8601"   => the current date and time in restricted ISO
                8601 format defined in RFC 3339.
"timezone"   => the time zone in use.

Index Extension

1. Adds :index and :last parameters to header, address, and date tests.

2. Semantics are the same as editheader's :index and :last

Examples: (require clauses omitted)

Internet-drafts cutoff:

```
if date :zone "-04:00" :value "gt" "Received" "iso8601"
      "2005-07-11T09:00:00-04:00"
 { fileinto "aftercutoff"; }
```

(Index might be useful here to pick the right Received: field.)

Page outside of business hours:

```
if anyof(currentdate :value "lt" "hour" "09",
       currentdate :value "gt" "hour" "04")
 { redirect "pagernumber@example.com"; }
```

File to month/year folder:

```
if currentdate :matches "month" "*" { set "month" "${1}"; }
if currentdate :matches "year" "*" { set "year" "${1}"; }
fileinto "${month}-${year}";
```