Ruby master - Bug #12981
Date.parse raises an Argument error under a specific condition
11/26/2016 01:33 PM - kenta-s (Kenta SHIRAI)

Status: Closed
Priority: Normal
Assignee: 
Target version: 
ruby -v: 2.3.3p222 (2016-11-21 revision 56859) [x86_64-linux]
Backport: 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN

Description
Date.parse cannot accept incomplete strings whose delimiter is a hyphen like: "2016-12", although it can accept if a delimiter is a slash like: "2016/12"

I'm not really sure if this is a bug or an expected behavior, but a maintainer of rails/rails recommended me to report this to Ruby team when I issued a PR( https://github.com/rails/rails/pull/27181 ) to them. So I'd appreciate if this issue is looked into.

steps to reproduce:

```ruby
require "date"
true
Date.parse("2016/12/01")
#<Date: 2016-12-01 ((2457724j,0s,0n),+0s,2299161j)>
Date.parse("2016-12-01")
#<Date: 2016-12-01 ((2457724j,0s,0n),+0s,2299161j)>
Date.parse("2016/12")
#<Date: 2016-12-01 ((2457724j,0s,0n),+0s,2299161j)>
Date.parse("2016-12")
ArgumentError: invalid date
  from (irb):3:in `parse'
  from (irb):3
  from /usr/local/bin/irb:11:in `<main>'
```

Related issues:
Is duplicate of Ruby master - Bug #12285: Date.iso8601 does not properly hand...

History

#1 - 11/26/2016 01:35 PM - kenta-s (Kenta SHIRAI)
- Description updated

#2 - 12/25/2016 08:21 AM - alfiemax (Alfred Dominic)
I see a similar inconsistency in the Date._parse method. Everything works fine as expected as long as the / delimiter is used.
I think it has something to do with _parse being able to parse strings with delimiter and one without it.

```ruby
Date._parse("2016/12/01")
=> {:year=>2016, :mon=>12, :mday=>1}
Date._parse("2016-12-01")
=> {:year=>2016, :mon=>12, :mday=>1}
Date._parse("2016/12")
=> {:year=>2016, :mon=>12}
Date._parse("2016-12")
=> {:mon=>20, :mday=>16, :zone=>"-12", :offset=>-43200}
```

#3 - 06/24/2019 10:50 PM - jeremyevans0 (Jeremy Evans)
- Is duplicate of Bug #12285: Date.iso8601 does not properly handle partial date strings added

#4 - 07/16/2019 12:41 AM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Closed

Applied in changeset git/75fb0a9afad1b85cedee9c7665a7f30ec95068fc.

Allow mday in Date.iso8601 to be omitted

[Bug #12285]