empty range in String#tr causes unexpected behavior

08/18/2009 11:54 PM - mame (Yusuke Endoh)

<table>
<thead>
<tr>
<th>Status</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee</td>
<td>matz (Yukihiro Matsumoto)</td>
</tr>
<tr>
<td>Target version</td>
<td>2.0.0</td>
</tr>
<tr>
<td>ruby -v</td>
<td>ruby 1.9.2dev (2009-08-18 trunk 24578) [i686-linux]</td>
</tr>
</tbody>
</table>

**Description**

Are these intentional?

```
"ABC".tr(“ABC”, “pq-a”) #=> “pqq”
"ABC".tr(“ABC”, “pq-ar”) #=> “prr”
"ABC".tr(“ABC”, “pq-ars”) #=> “prs”
"ABC".tr(“ABC”, “pq-arst”) #=> “prs”
```

I expect that an exception is raised or that "p-a" equals to "ponmlk...cba" (descending order).

For reference, empty range is rejected in Perl:

```
$ perl -e "A" =~ tr/A/q-a/;
Invalid range "q-a" in transliteration operator at -e line 1.
```

---

Yusuke ENDOH mame@tsg.ne.jp

---

**History**

### #1 - 10/30/2009 09:50 AM - naruse (Yui NARUSE)

- Category set to core
- Status changed from Open to Assigned
- Assignee set to matz (Yukihiro Matsumoto)

### #2 - 10/30/2009 07:07 PM - matz (Yukihiro Matsumoto)

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r25576.

Yusuke, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.