### Ruby master - Bug #7620

**Incorrect exception for non-square matrix in Matrix::LUPDecomposition#det**

12/25/2012 07:39 AM - pypypy567 (py _)

<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>marcandre (Marc-Andre Lafortune)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 2.0.0dev (2012-11-01) [i386-mswin32_100]</td>
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**Backport:**

**Description**

If m is a non-square matrix , m.lup.det should raise Matrix::ErrDimensionMismatch, but it raises NoMethodError.

```
ruby -rmatrix -e 'Matrix
0, 0
.lup.det'
C:/ruby200/lib/ruby/2.0.0/matrix/lup_decomposition.rb:80:in det': undefined methodsquare? for #Matrix::LUPDecomposition:0xbb4284 (NoMethodError)
from -e:1:in `'
```

**History**

#### #1 - 12/27/2012 01:05 PM - marcandre (Marc-Andre Lafortune)
- Assignee set to marcandre (Marc-Andre Lafortune)

#### #2 - 12/27/2012 01:05 PM - marcandre (Marc-Andre Lafortune)
- Status changed from Open to Assigned

#### #3 - 01/25/2013 12:13 PM - ko1 (Koichi Sasada)
(I'm not sure about this issue)
marcandre, Is this 2.0 issue? High priority? (release blocker?)

#### #4 - 01/25/2013 02:42 PM - marcandre (Marc-Andre Lafortune)
- Category set to lib
- Status changed from Assigned to Closed
- Target version set to 2.0.0

Oh, I already fixed it with r38807, just forgot to reference the bug report in the commit log.

Thanks pypypy for the bug report

**Files**

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>lup_decomposition.rb.det.patch</td>
<td>474 Bytes</td>
<td>12/25/2012</td>
</tr>
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</table>