Redmine - Defect #18792

wrong bar length in PDF gantt chart

2015-01-09 15:54 - Kazmi Iwasa

Status:	New	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Gantt	**Estimated time:**	0.00 hour
Target version:			
Resolution:		**Affected version:**	

Description

In my pdf gantt chart, some task bars which have small progress percentage are painted with wrong length.
They must have short green rectangle, but the results is long green rectangle.

In lib/redmine/helpers/gantt.rb, the green rectangle is painted here:

```
if coords[:bar_progress_end]
  params[:pdf].SetY(params[:top] + 1.5)
  params[:pdf].SetX(params[:subject_width] + coords[:bar_start])
  params[:pdf].SetFillColor(90, 200, 90)
  params[:pdf].RDMCell(coords[:bar_progress_end] - coords[:bar_start], height, "", 0, 0, "", 1)
end
```

If a task have small progress, coords[:bar_progress_end] and coords[:bar_start] may have the same value because they are rounded by this code.

```
# Transforms dates into pixels witdh
coords.keys.each do |key|
  coords[key] = (coords[key] * zoom).floor
end
```

If coords[:bar_progress_end] - coords[:bar_start] was zero, RDMCell() paints long rectangle stretched to the most right side.

Environment:
Redmine version   2.5.2.stable
Ruby version   1.9.3-p484 (2013-11-22) [x86_64-linux]
Rails version   3.2.19
Environment   production
Database adapter   Mysql2