Tornarem a Patir el LaTeX

Sessió 6: Transparències, Recursos Addicionals

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12 Juny 2009

Index

Transparències

- Diversos paquets existents:
  - `slides`
  - `prosper`
  - `beamer`
  - `...`

Transparències

- Diversos paquets existents:
  - `slides`
  - `prosper`
  - `beamer`
  - `...`

Paquet beamer

- Classe:

```
\documentclass{beamer}
```

- Transparències:

```
\begin{frame}
  \frametitle{...}
  ...
\end{frame}
```

Portada a beamer

- Declaració:

```
\title[títol curt]{títol llarg}
\subtitle[subtítol curt]{subtítol llarg}
\author[autor \and autor (curt)]
  {autor \and autor (llarg)}
\institute[inst. curt]{inst. llarg}
\date{data}
```

- Generació:

```
\maketitle
```

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Seccionat a beamer

- Seccions:

```
\section{...}
\subsection{...}
```

- Taula de continguts:

```
\tableofcontents
```

Seccionat a beamer

- Inici de secció:

```
\AtBeginSection {
  \begin{frame}
    \frametitle{Lorem Ipsum Index}
    \tableofcontents[sectionstyle=show/shaded,
                     subsectionstyle=show/show/hide]
  \end{frame}
}
```

- Inici de subsecció:

```
\AtBeginSubsection {
  \begin{frame}
    \frametitle{Lorem Ipsum Index}
    \tableofcontents[sectionstyle=show/hide,
                     subsectionstyle=show/shaded/hide]
  \end{frame}
}
```

Lorem Ipsum Index

Lorem Ipsum Index

Textos a beamer

```
\begin{frame}
  \frametitle{Lorem Ipsum}

  Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec porta
  ultrices ligula, et lacinia lectus laoreet in. Aenean tristique odio
  ut justo volutpat non porta neque hendrerit. Aliquam metus neque,
  semper vel placerat a, laoreet interdum justo. Pellentesque habitant
  morbi tristique senectus et netus et malesuada fames ac turpis
  egestas. Phasellus et vehicula ante. Cras risus dui, venenatis et
  dapibus sed, vestibulum eu diam. Fusce ac dolor metus, non mollis
  felis\dots
\end{frame}
```

Lorem Ipsum

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec porta ultrices ligula, et lacinia lectus laoreet in. Aenean tristique odio ut justo volutpat non porta neque hendrerit. Aliquam metus neque, semper vel placerat a, laoreet interdum justo. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Phasellus et vehicula ante. Cras risus dui, venenatis et dapibus sed, vestibulum eu diam. Fusce ac dolor metus, non mollis felis...

Enumeracions a beamer

```
\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{enumerate}
  \item Lorem ipsum dolor sit amet
    \begin{itemize}
    \item Consectetur adipiscing elit
    \end{itemize}
  \item Donec porta ultrices ligula
    \begin{itemize}
    \item Et lacinia lectus laoreet in
    \end{itemize}
  \end{enumerate}
\end{frame}
```

Lorem Ipsum

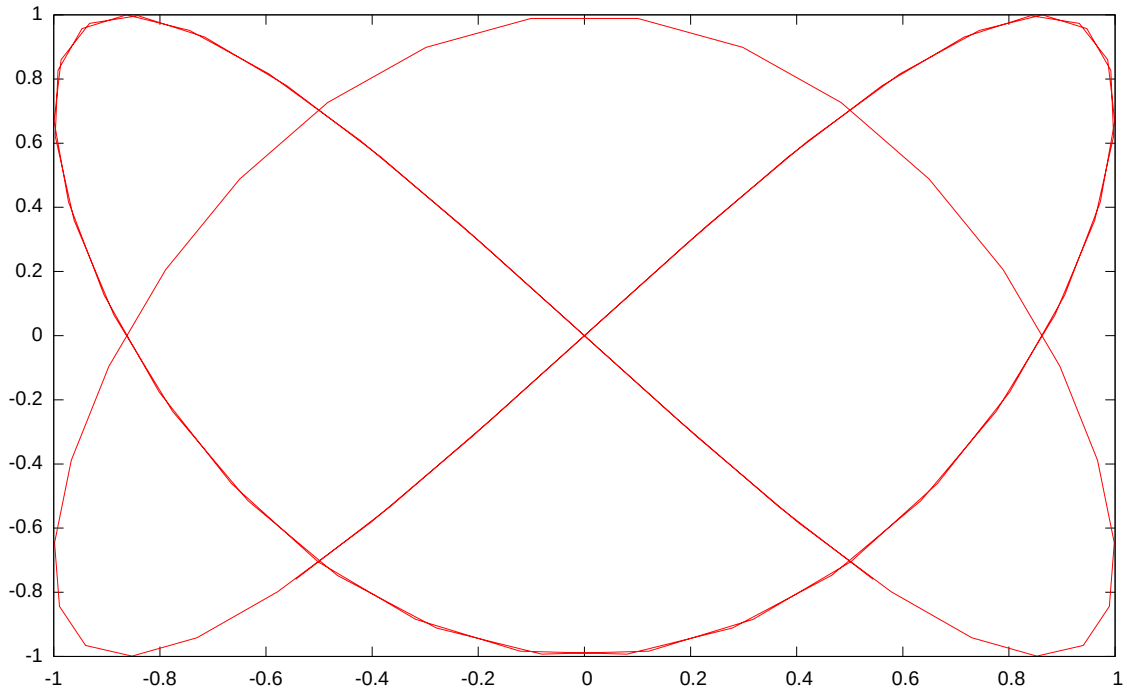
1. Lorem ipsum dolor sit amet
   - Consectetur adipiscing elit
2. Donec porta ultrices ligula
   - Et lacinia lectus laoreet in

Imatges a beamer

```
\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{center}
  \includegraphics[width=.7\linewidth]{plot}
  \end{center}
\end{frame}
```

Lorem Ipsum



Pauses a beamer

```
\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{enumerate}
  \item Lorem ipsum dolor sit amet \pause
    \begin{itemize}
    \item Consectetur adipiscing elit \pause
    \end{itemize}
  \item Donec porta ultrices ligula \pause
    \begin{itemize}
    \item Et lacinia lectus laoreet in
    \end{itemize}
  \end{enumerate}
\end{frame}
```

Lorem Ipsum

1. Lorem ipsum dolor sit amet

Lorem Ipsum

1. Lorem ipsum dolor sit amet
   - Consectetur adipiscing elit

Lorem Ipsum

1. Lorem ipsum dolor sit amet
   - Consectetur adipiscing elit
2. Donec porta ultrices ligula

Lorem Ipsum

1. Lorem ipsum dolor sit amet
   - Consectetur adipiscing elit
2. Donec porta ultrices ligula
   - Et lacinia lectus laoreet in

Overlays a beamer

- Intervals:

`<x>`	Transparència `x`
`<x,y>`	Transparències `x` i `y`
`<x-y>`	Transparències de la `x` a la `y`
`<-x>`	Transparències fins la `x`
`<x->`	Transparències a partir de la `x`

Overlays a beamer

- Ús d'intervals:

```
\onslide<...>{...}
```

```
\only<...>{...}
```

```
\item<...>{...}
```

```
\alert<...>{...}
```

Overlays a beamer

```
\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{center}
    \begin{tabular}{|c|c|c|c|}
      \hline
      : \onslide<1-2>{1--2} : & : \onslide<2->{2--} : &
      : \onslide<1,4>{1,4} : & : \onslide<-3>{--3} : \\
      \hline
      : \only<1-2>{1--2} : & : \only<2->{2--} : &
      : \only<1,4>{1,4} : & : \only<-3>{--3} : \\
      \hline
      : \alert<1-2>{1--2} : & : \alert<2->{2--} : &
      : \alert<1,4>{1,4} : & : \alert<-3>{--3} : \\
      \hline
    \end{tabular}
  \end{center}
\end{frame}
```

Lorem Ipsum

1	2
3	4

: 1–2 :	: :	: 1,4 :	: –3 :
: 1–2 :	: :	: 1,4 :	: –3 :
: 1–2 :	: 2– :	: 1,4 :	: –3 :

Lorem Ipsum

1	2
3	4

: 1–2 :	: 2– :	: :	: –3 :
: 1–2 :	: 2– :	: :	: –3 :
: 1–2 :	: 2– :	: 1,4 :	: –3 :

Lorem Ipsum

1	2
3	4

: :	: 2– :	: :	: –3 :
: :	: 2– :	: :	: –3 :
: 1–2 :	: 2– :	: 1,4 :	: –3 :

Lorem Ipsum

1	2
3	4

: :	: 2– :	: 1,4 :	: :
: :	: 2– :	: 1,4 :	: :
: 1–2 :	: 2– :	: 1,4 :	: –3 :

Overlays a beamer

```
\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{center}
    \only<1>{\tiny tiny}%
    \only<2>{\scriptsize scriptsize}%
    \only<3>{\footnotesize footnotesize}%
    \only<4>{\small small}%
    \only<5>{\normalsize normalsize}%
    \only<6>{\large large}%
    \only<7>{\Large Large}%
    \only<8>{\LARGE LARGE}%
    \only<9>{\huge huge}%
    \only<10>{\Huge Huge}%
  \end{center}
\end{frame}
```

Lorem Ipsum

tiny

Lorem Ipsum

scriptsize

Lorem Ipsum

footnotesize

Lorem Ipsum

small

Lorem Ipsum

normalsize

Lorem Ipsum

large

Lorem Ipsum

Large

Lorem Ipsum

LARGE

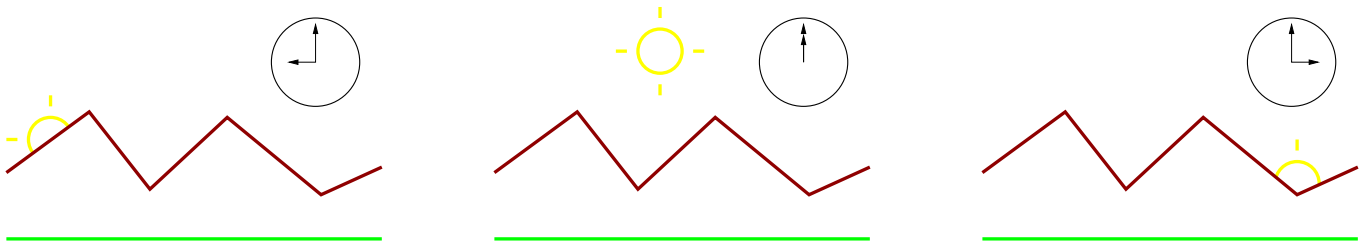
Lorem Ipsum

huge

Lorem Ipsum

Huge

Overlays a beamer

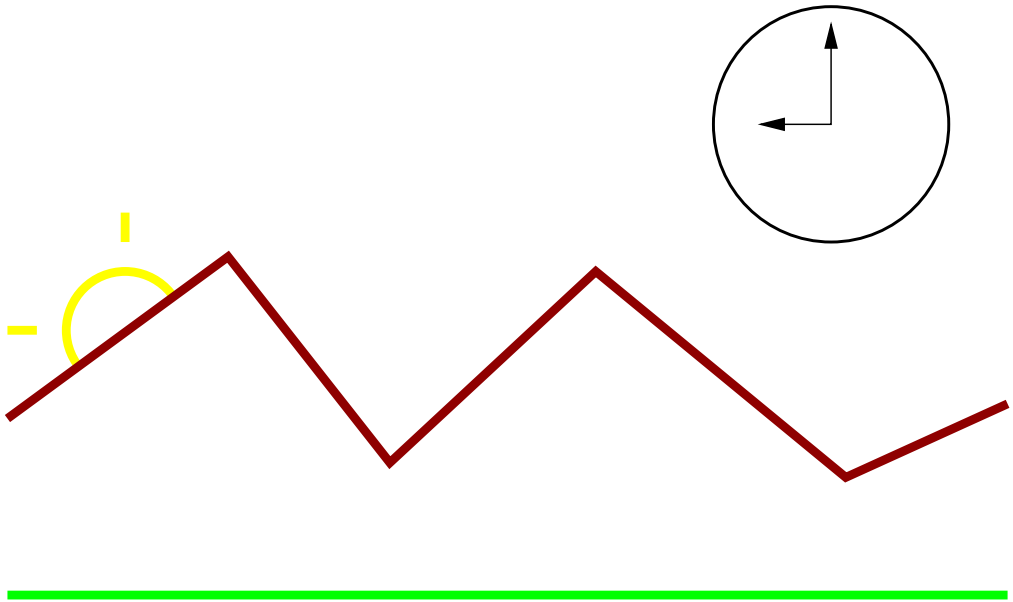


Overlays a beamer

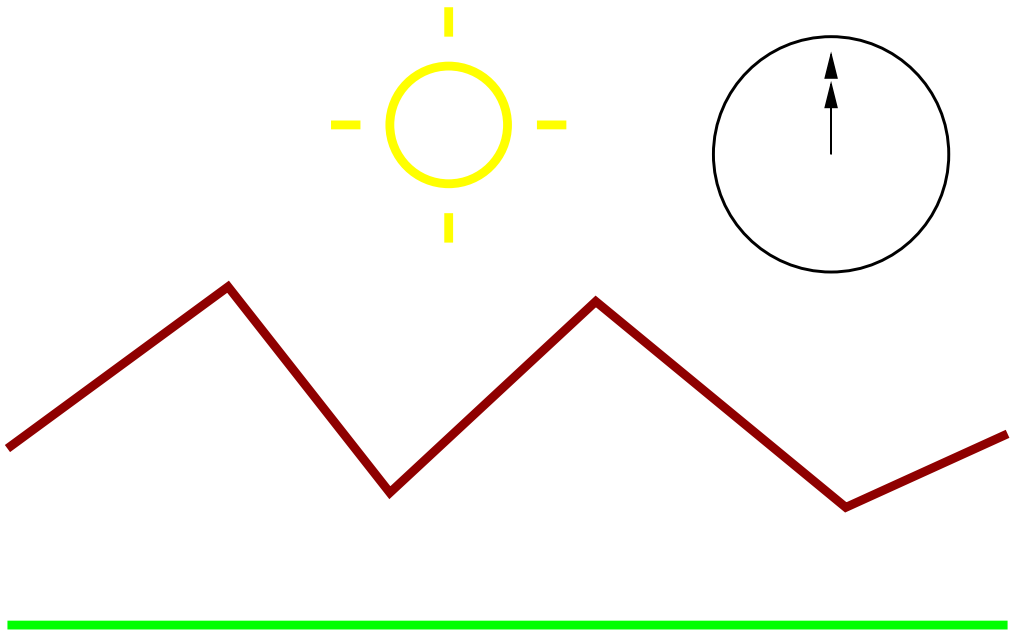
```
\begin{frame}
  \frametitle{Lorem Ipsum}

  \begin{center}
    \only<1>{\includegraphics[height=.6\textheight]{fig/time1}}%
    \only<2>{\includegraphics[height=.6\textheight]{fig/time2}}%
    \only<3>{\includegraphics[height=.6\textheight]{fig/time3}}%
  \end{center}
\end{frame}
```

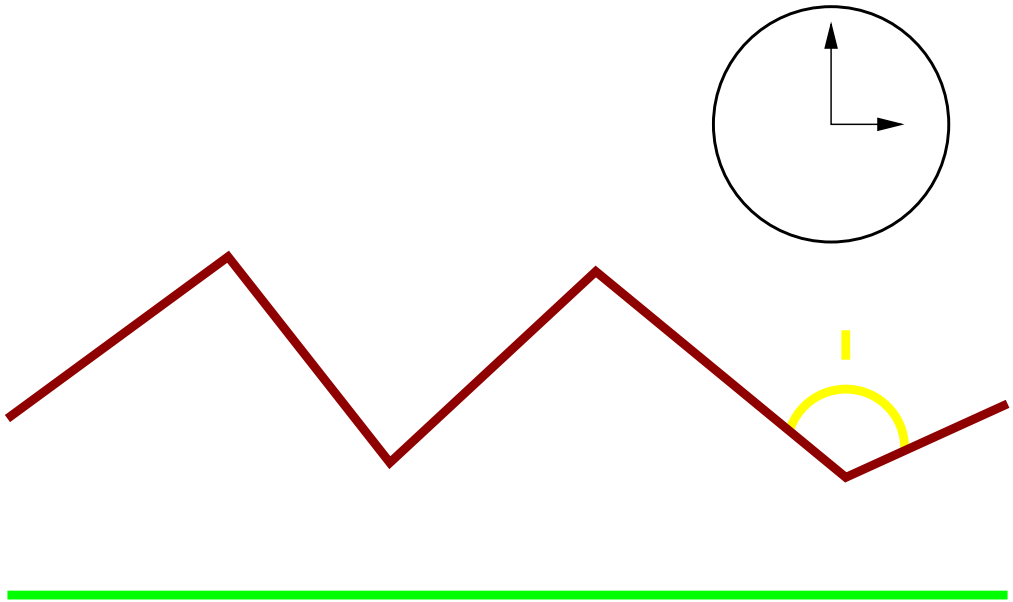
Lorem Ipsum



Lorem Ipsum



Lorem Ipsum



Temes a beamer

- Temes de Presentació:

```
\usetheme{...}
```

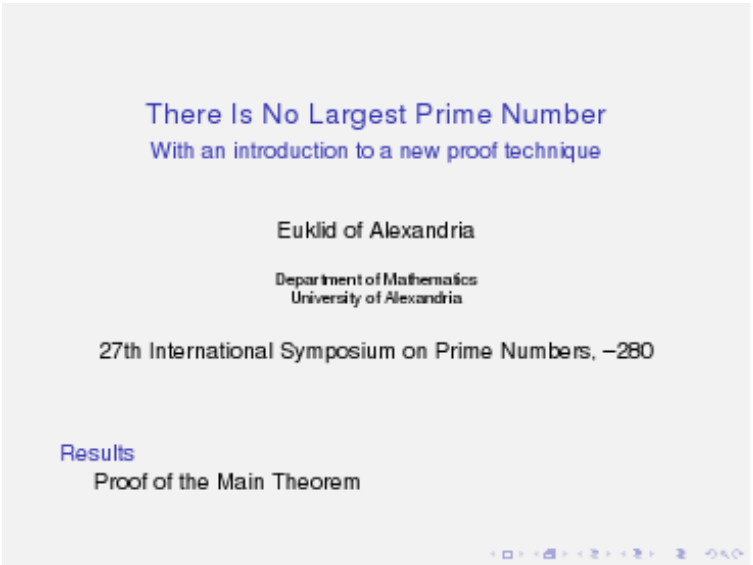
- Temes individuals:

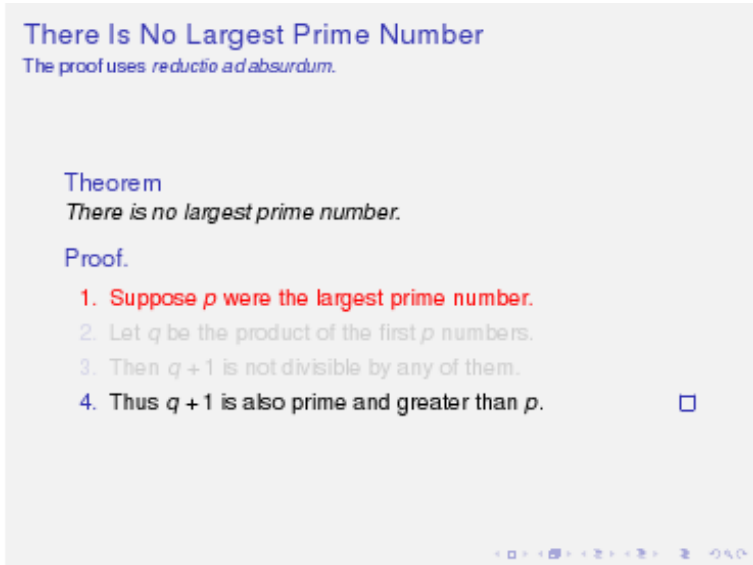
```
\useoutertheme{...}
\useinnertheme{...}
\usecolortheme{...}
```

Temes de Presentació

- Sense navegació:

```
\usetheme{default}
```

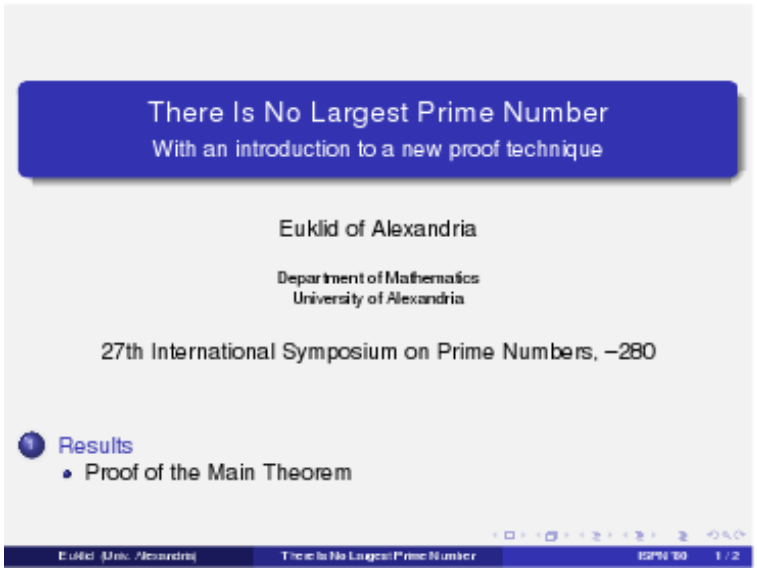


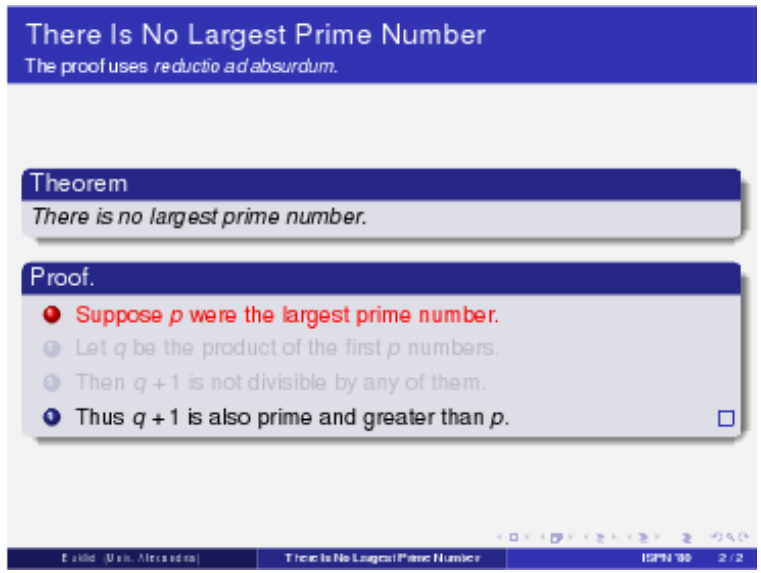


Temes de Presentació

- Sense navegació:

```
\usetheme{Madrid}
```

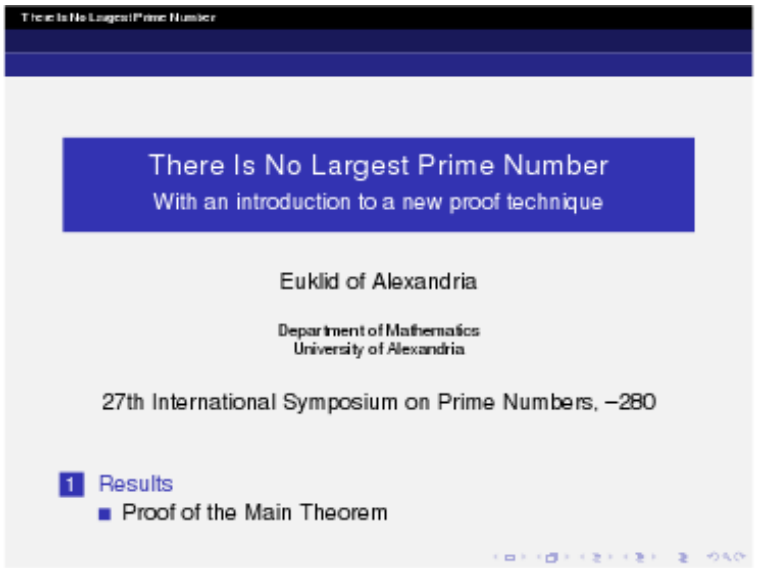


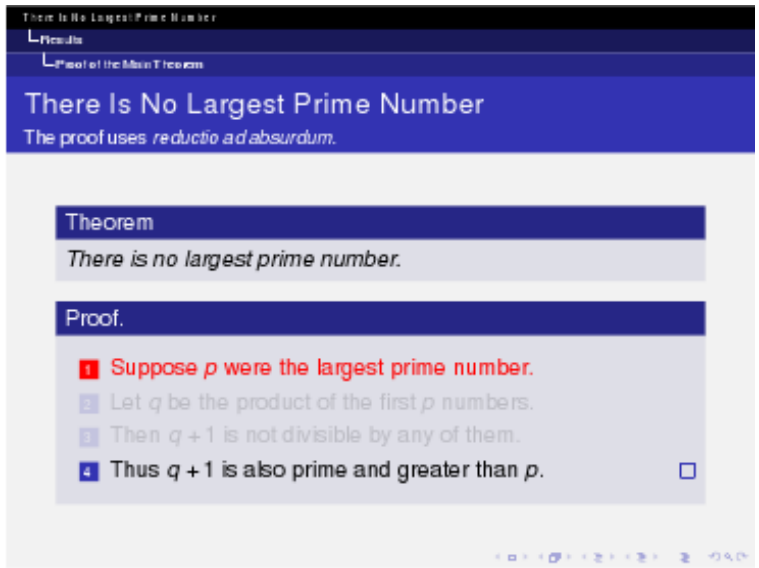


Temes de Presentació

- Amb arbre de navegació:

```
\usetheme{Antibes}
```

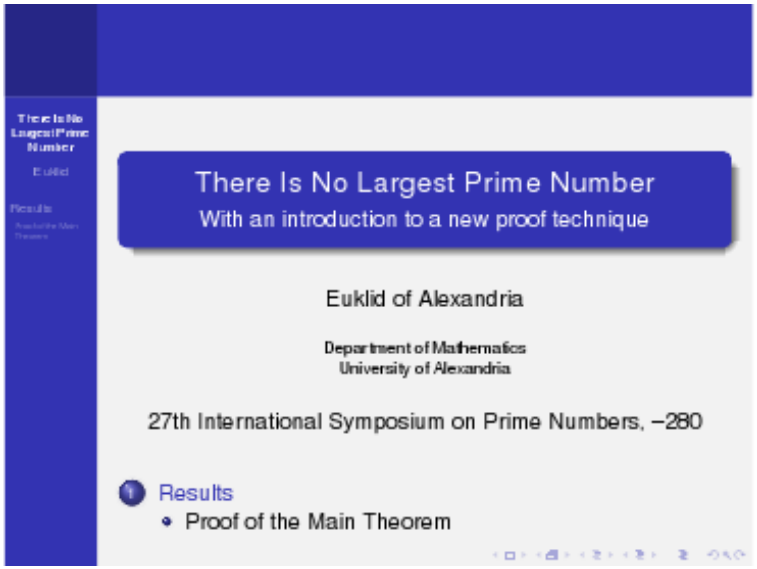


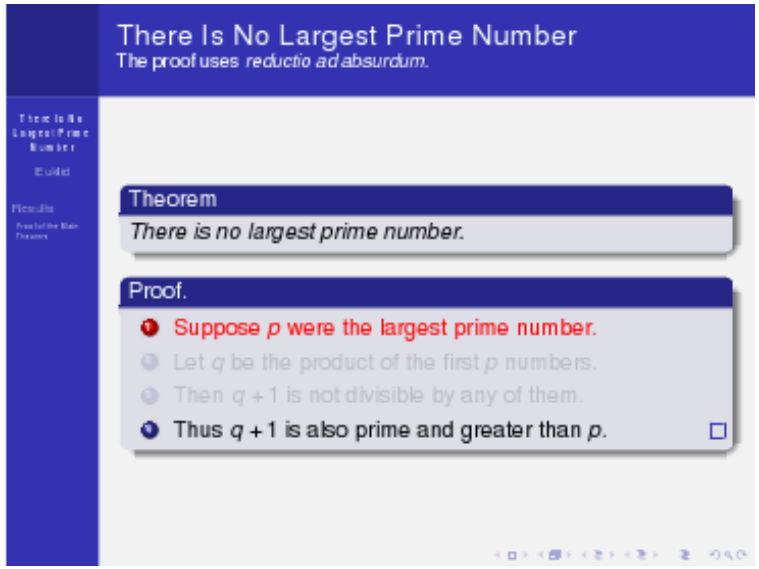


Temes de Presentació

- Amb barra lateral:

```
\usetheme{PaloAlto}
```

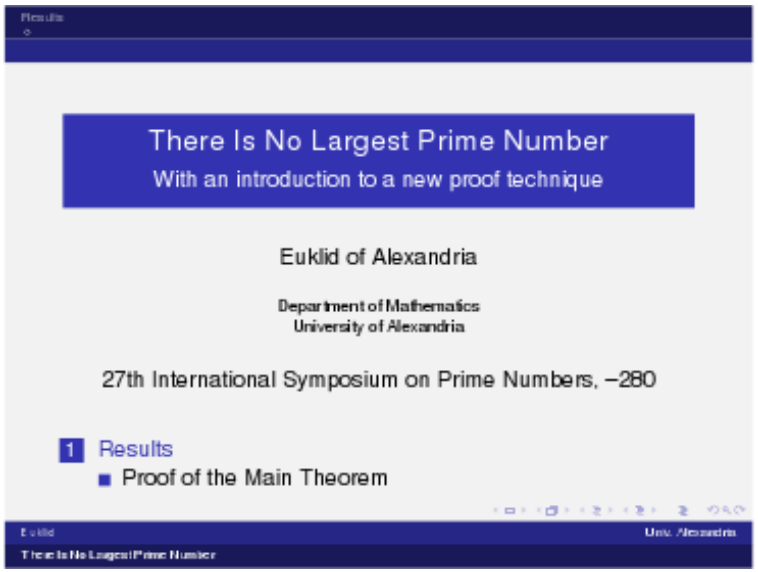


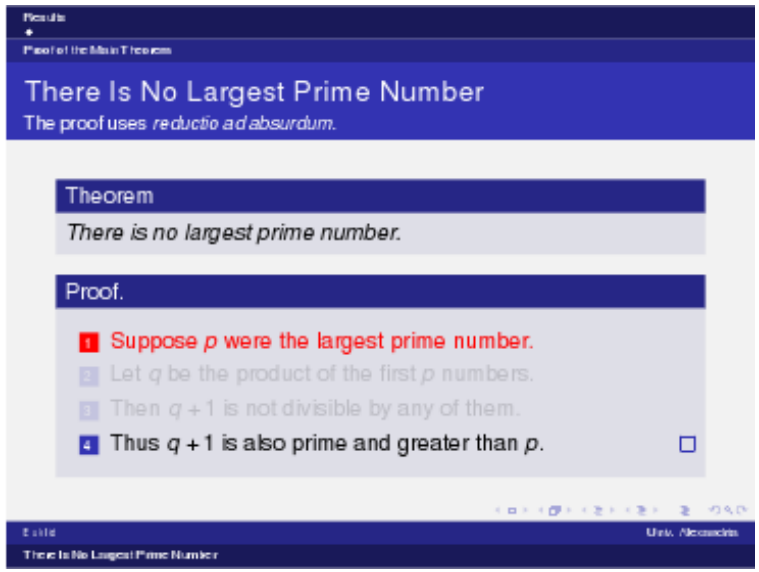


Temes de Presentació

- Amb mini-frame:

```
\usetheme{Berlin}
```

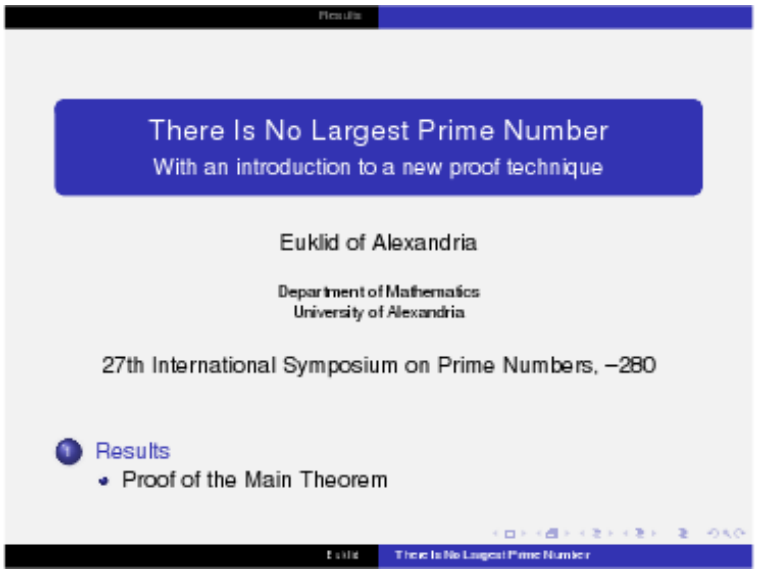


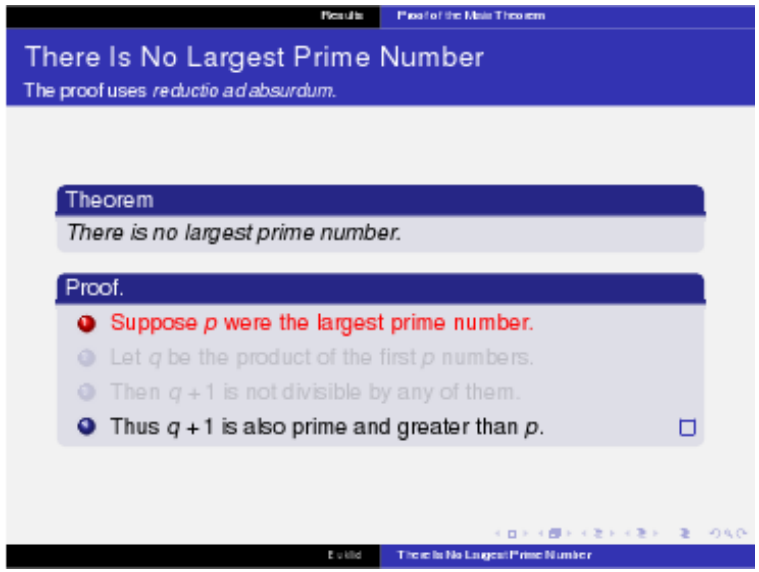


Temes de Presentació

- Amb taules de secció:

```
\usetheme{Copenhagen}
```





Temes externs

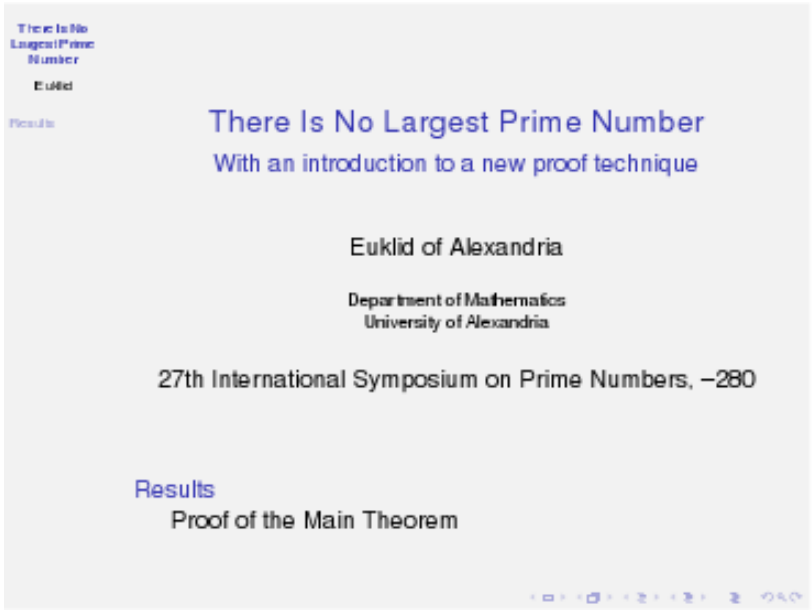
`default`	Sense navegació
`tree`	Amb arbre de navegació
`sidebar`	Amb barra lateral
`miniframes`	Amb mini-frame
`split`	Amb taules de secció

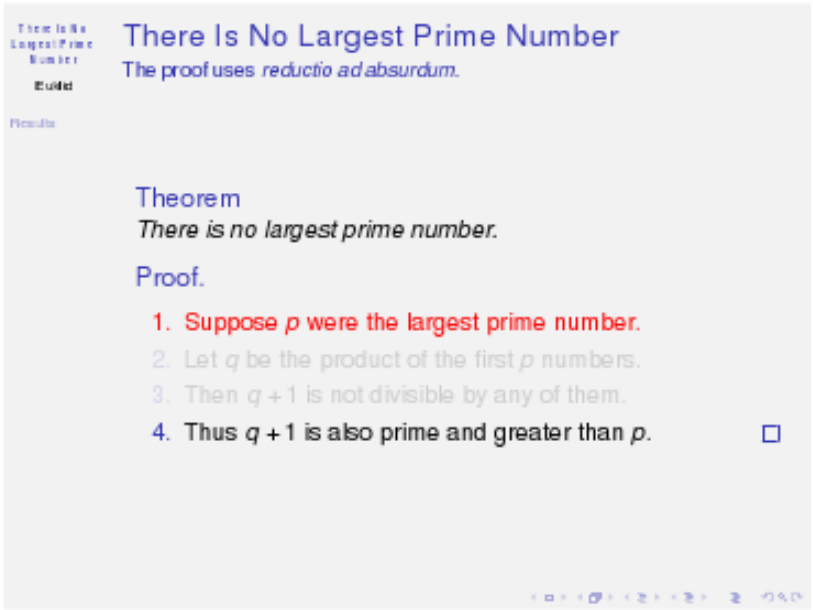
Temes interns

`default`	Estàndard
`circles`	Cercles
`rounded`	Cercles ombrejats
`rectangles`	Rectangles
`inmargin`	Al marge

Temes de color

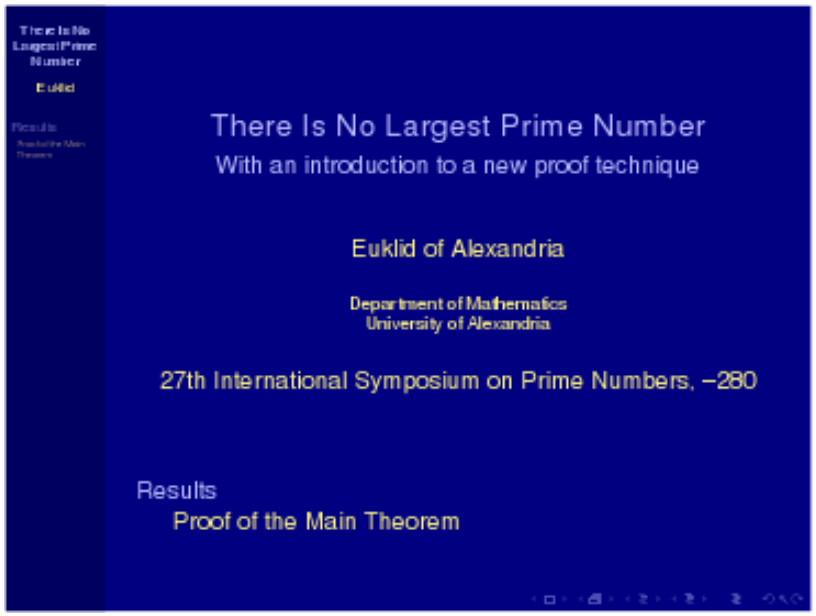
```
\usecolortheme{default}
```

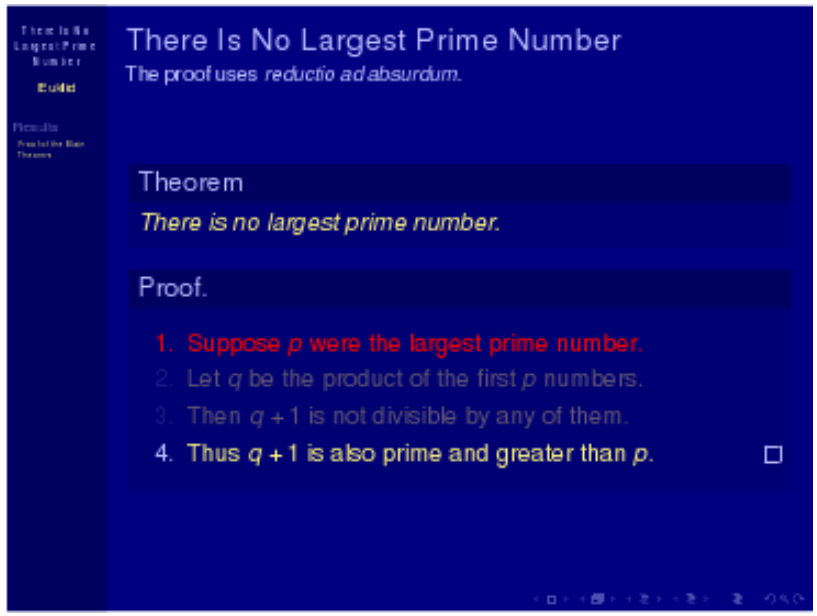




Temes de color

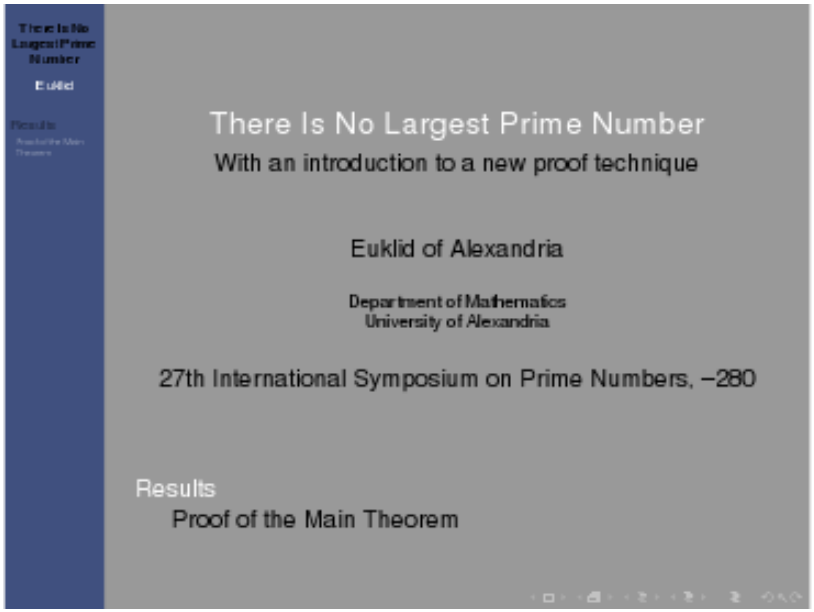
```
\usecolortheme{albatross}
```

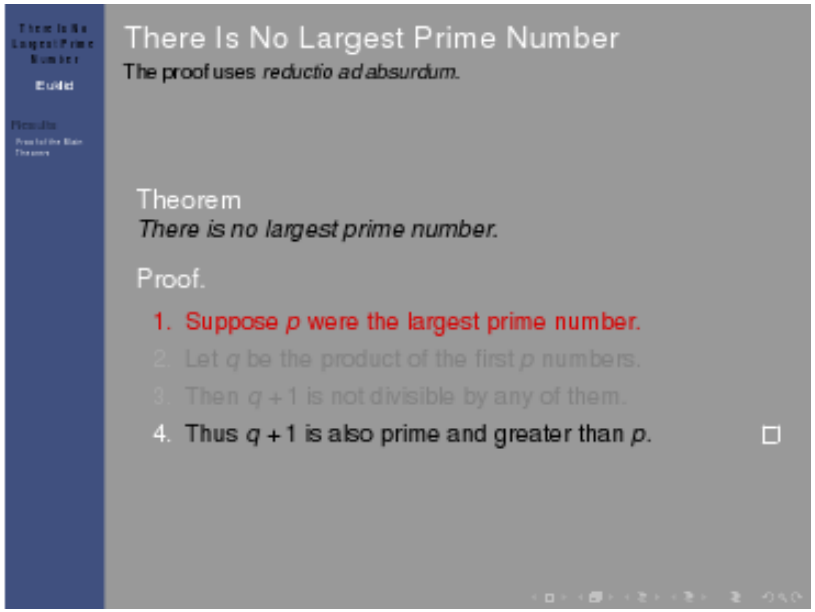




Temes de color

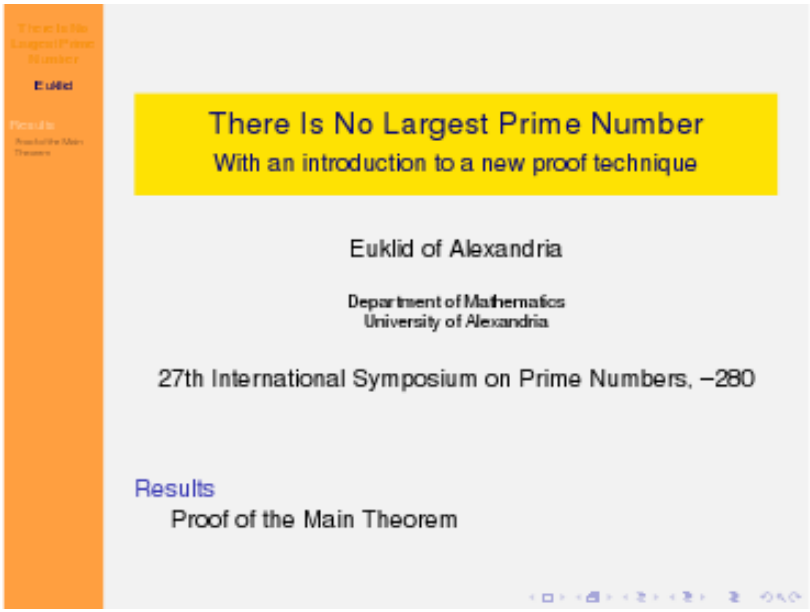
```
\usecolortheme{beetle}
```

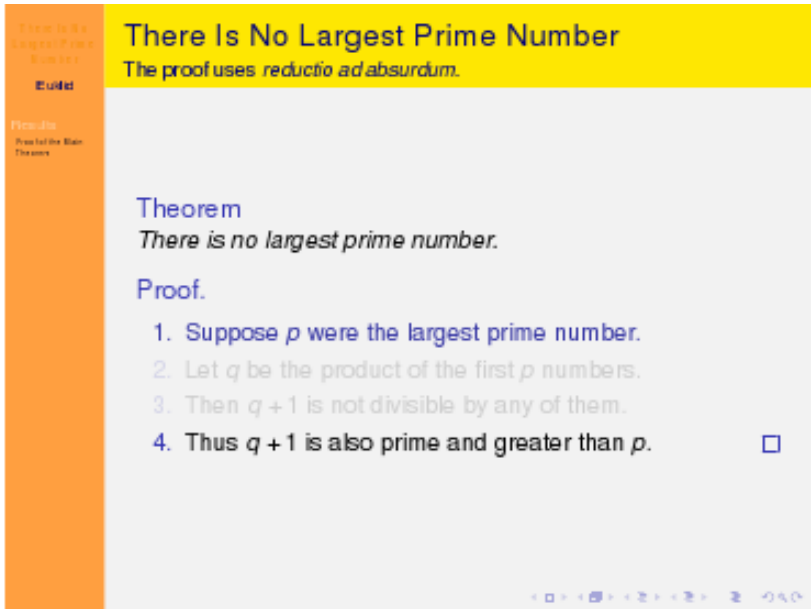




Temes de color

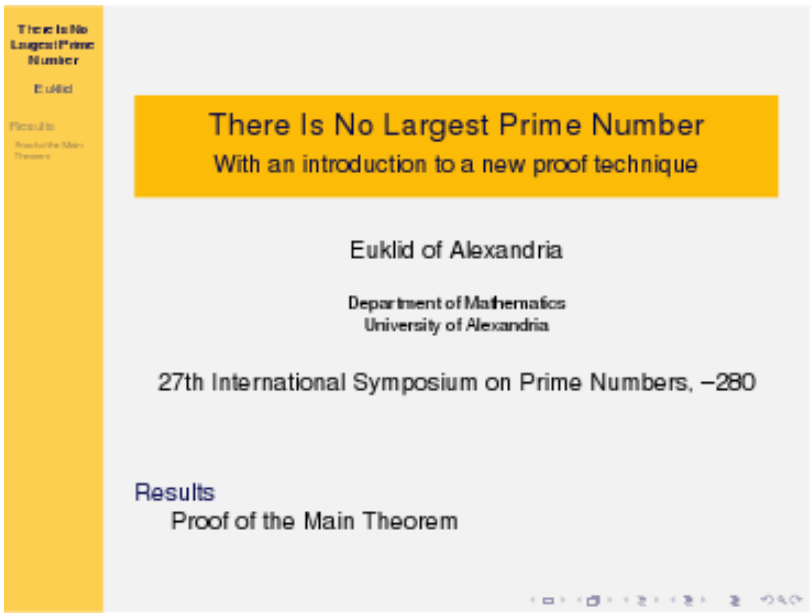
```
\usecolortheme{wolverine}
```

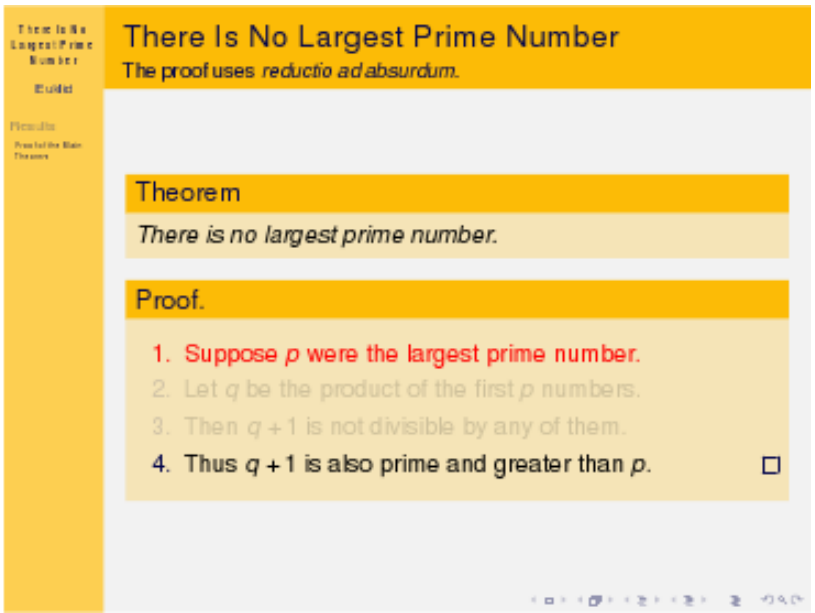




Temes de color

```
\usecolortheme{crane}
```





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Recursos

- Llibres
  - LaTeX: A Document Preparation System
  - The LaTeXCompanion

Recursos

- Tutorials On-line
  - The Not So Short Introduction to LaTeX:
    `http://tobi.oetiker.ch/lshort/lshort.pdf`
  - Indian TeX Users Group:
    `http://www.tug.org/tutorials/tugindia/`
  - Getting to Grips with LaTeX:
    `http://www.andy-roberts.net/misc/latex/`
  - LaTeX para las Humanidades:
    `http://rt0016xp.eresmas.net/lplh/latex-humanidades.pdf`

Recursos

- Referències:
  - Hypertext Help with LaTeX: `http://www.giss.nasa.gov/tools/latex/`
  - LaTeX for Linguists: `http://www.essex.ac.uk/linguistics/clmt/latex4ling/`

Recursos

- Repositoris:
  - TEX Catalogue: `ftp://tug.org/tex-archive/help/Catalogue/brief.html`
  - Comprehensive TEX Archive Network: `http://www.tug.org/ctan.html`

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Pràctica

1. Generar el document:
   - `http://www.lsi.upc.edu/~egonzalez/latex/practica6.pdf`
   - `http://www.lsi.upc.edu/~egonzalez/latex/beamer.pdf`
   - `http://www.lsi.upc.edu/~egonzalez/latex/time1.pdf`
   - `http://www.lsi.upc.edu/~egonzalez/latex/time2.pdf`
   - `http://www.lsi.upc.edu/~egonzalez/latex/time3.pdf`

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Bona sort!!