About the Greenboard using PowerDot

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How to recreate a Greenboard

Week 2

TO DO:
- Recourse on DataCamp
- "HW 1 code on GITHUB

D.L. 2019-02-06 : 23:55
- Complete CLASS JOBS

2019-02-13 - 14:30
upload HW 1 (made using R)

$\square = [\text{job} \cdot \text{time}]$

3) $\frac{6}{5} = L_{SYS} \left[\frac{\square}{\text{time}} = \frac{\text{job} \cdot \text{time}}{\text{time}} = \text{job}\right]$

2) $\frac{3}{5} = L_q \left[\frac{\square}{\text{time}} = \text{job}\right]$

1) $\frac{3}{5} = L_{SRV} \left[\frac{\square}{\text{time}} = \text{job}\right]$

$L_{SYS} = L_q + L_{SRV}$

My goal

- Recreate text, chart and formulas
- Make the same number of columns
- Copy colours
- Make everything as close as possible.

First - prepare all packages

```
\documentclass[17pt]{extreport}
\usepackage[utf8]{inputenc}
\usepackage[english]{babel}
\usepackage{comment}
\usepackage{amsmath}
\usepackage{latexsym}
\usepackage{tikz}
\usetikzlibrary{patterns}
\usepackage{etaremune}
\usepackage[paper=portrait,pagesize]{typearea}
\usepackage{geometry}
\usepackage{multicol}
\usepackage{graphicx}
```

Second - prepare page size and margins

```
Page style, size and margins:
    \geometry{legalpaper, landscape,
    papersize={15cm,32cm}, left=3mm, top=9mm,
    right=3mm, bottom=9mm}
Page and text colors:
    \pagecolor{green!21!black}
    \color{white} - text color
Some extra pages for photos:
    \eject \pdfpagewidth=32cm \pdfpageheight=15cm
```

Now we add columns

```
    \begin{multicols}{3} - column amount
    \columnbreak - split columns
    \end{multicols}
```

Using itemize and item to make a list. Drawing with tikzpicture

```
\begin{itemize}
 \item[$ $]To do:
\begin{itemize}
 \item R course on DataCamp
 \item HW1 code on GitHub
\end{itemize}
 \item[$ $]D.L  2019-02-06 23:55
\begin{itemize}
 \item[$.$] compute CLASS JOB:
\end{itemize}
 \item[$ $]\hspace{20pt}2019-02-13 14:30
 \begin{itemize}
  \item[$ $]upload \underline{HW1} (made using R)
 \begin{tikzpicture}\hspace{30pt}
  \draw[thick,->] (0,0) -- (1.5,0) node[anchor=north...
  \draw[thick,->] (0,0) -- (0,1.5) node[anchor=south...
 \end{tikzpicture}
 \end{itemize}
\end{itemize}
```

Drawing all with tikzpicture

```
Grid:
\draw[step=1cm,gray,very thin] (-1.9,-1.9)
grid (5.9,3.9);
Lines:
\draw[thin,dashed, blue] (-1,1) -- (5.5,1);
Filling:
\filldraw[fill=red!30!white, draw=red!40!black,
opacity=0.2] (1,0) rectangle (3,1);
Filling with pattern:
\draw[pattern=north west lines, pattern color=green]
(2,1) rectangle (3,3) (4,1) rectangle (5,2);
Marking numbers:
\foreach {\x} in {0,1,2,3,4,5}
    \draw (\x cm,-27pt) -- (\x cm,-30pt)
    node[anchor=north,yshift=-3mm] {$\x$};
\foreach {\y} in {0,1,2,3}
    \draw (-27pt,\y cm) -- (-30pt,\y cm)
    node[anchor=east,xshift=-3mm] {$\y$};
```

Using etaremune to enumerate backwards

```
\centering $\Box = \Bigg\lbrack job.time \Bigg\rbrack$
\begin{etaremune}[leftmargin=2cm]
    \item $\frac{6}{5}=L_{SYS}^{^-}\Bigg\lbrack\frac
    {\Box}{time}=\frac{job.time}{time}=job\Bigg\rbrack$
    \item $\frac{3}{5}=L_{q}^{^-}\Bigg\lbrack\frac
    {\Box}{time}=job\Bigg\rbrack$
    \item $\frac{3}{5}=L_{SRV}^{^-}\Bigg\lbrack\frac
    {\Box}{time}=job\Bigg\rbrack$
\end{etaremune}
```

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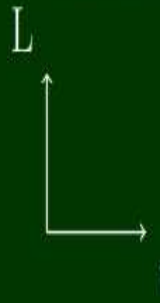
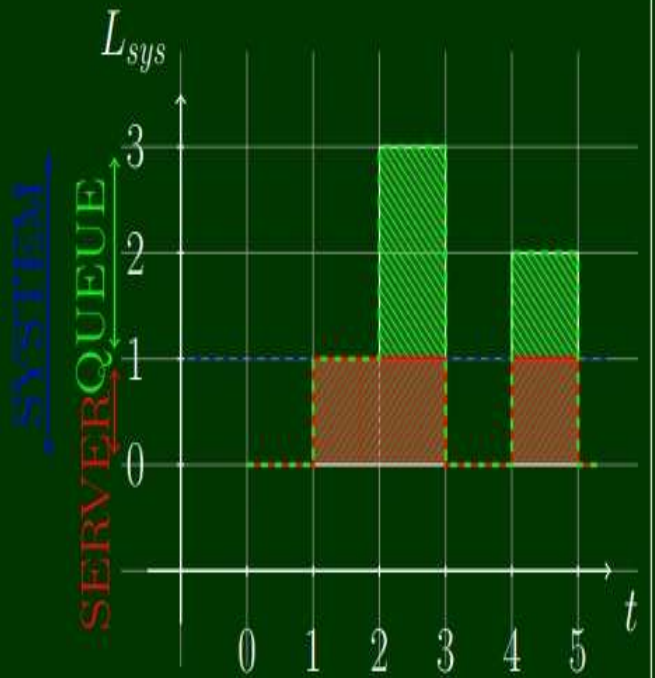
D.L 2019-02-06 23:55

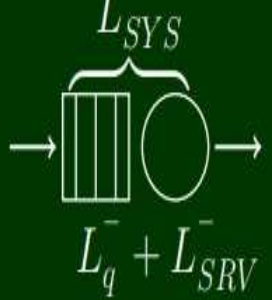
. compute CLASS JOB:

2019-02-13 14:30

upload HW1 (made using R)







$$\square = \left[job.time \right]$$

3. $\frac{6}{5} = \bar{L}_{SYS} \left[\frac{\square}{time} = \frac{job.time}{time} = job \right]$

2. $\frac{3}{5} = \bar{L}_q \left[\frac{\square}{time} = job \right]$

1. $\frac{3}{5} = \bar{L}_{SRV} \left[\frac{\square}{time} = job \right]$

$$L_{SYS} = L_q + L_{SRV}$$

$$xy'' + (c - x)y' - ay = 0$$

$$bz(1 - \frac{z}{b})\frac{d^2u}{dz^2} + [bc - (a + b + 1)z]\frac{du}{dz} - abu = 0$$

$$zu'' + (c - z)u' - au = 0$$

$$y_1(x) = 1 + \frac{a}{c}\frac{x}{1!} + \frac{a(a+1)}{c(c+1)}\frac{z^2}{2!} + ... \equiv M(a, c; x)$$

$$y_2(x) = x^{1-c}M(a - c + 1, 2 - c; x)$$