

green board final

Janis Hodorjonoks

February 25, 2019

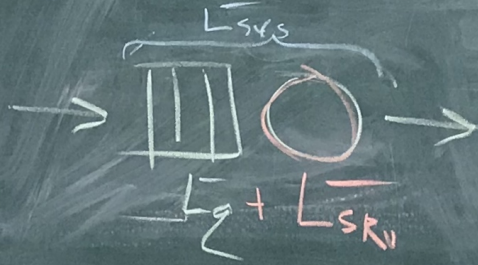
Week 2

TO DO:

- R course on DataCamp
- HW 1 code on GITHUB

D.L. 2019-02-06: 23:55  
complete CLAS FORBS

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



$$3) \frac{6}{5} = L_{sys} \left[ \frac{\square}{time} = \frac{job.time}{time} = job \right]$$

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

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

$$L_{sys} = L_g + L_{srv}$$

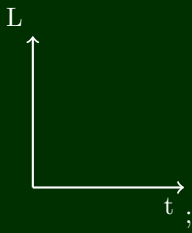
week 2

To Do :

- R course on Datacamp
- HV1 code on Github

D.L. 2019-02-06 23:55

- compute Clais 70Bs  
2019-02-13 - 14:30 made  
upload HW1 (using R)



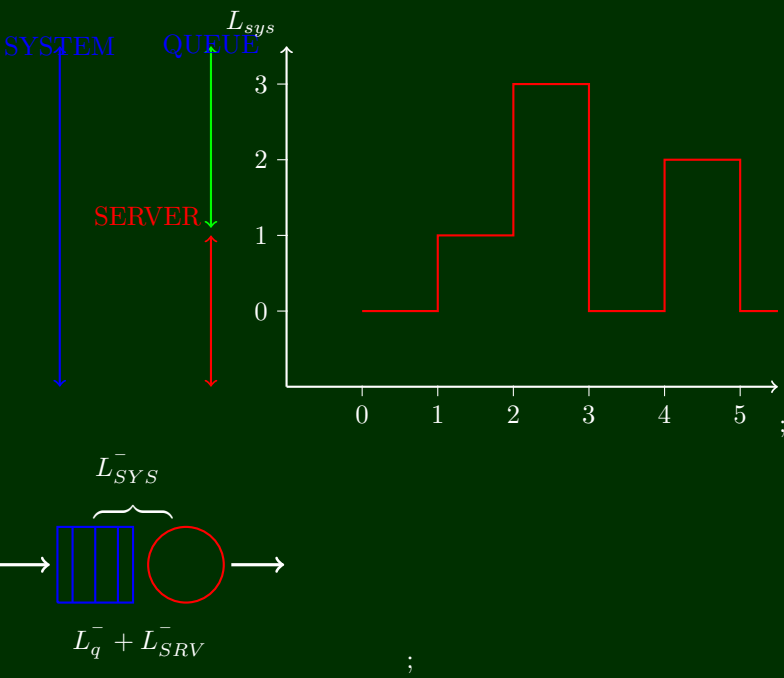
$$\square = [job.time]$$

$$3. \frac{6}{5} = L_{sys}^{-} \left[ \frac{\square}{job} = \frac{jobtime}{time} - job \right]$$

$$2. \frac{3}{5} = L_q^{-} \left[ \frac{\square}{time} = job \right]$$

$$1. \frac{3}{5} = L_{SRV}^{-} \left[ \frac{\square}{time} = job \right]$$

$$L_{sys} = L_q^{-} + L_{SRV}^{-}$$



```

\documentclass[15pt]{extreport}
\usepackage[utf8]{inputenc}
\usepackage{tikz}
\usepackage{tabu}
\usepackage{color}
\usepackage[usesname]{color}
\usepackage{geometry}
\usepackage{amssymb}
\usepackage{latexsym}
\usepackage{multicol}
\usepackage{graphicx}
\usepackage{listings}
\geometry{papersize={45cm,12cm}}
\geometry{left=1cm}
\geometry{right=1cm}
\geometry{bottom=1cm}
\geometry{top=1cm}
\usetikzlibrary{patterns}

\title{green board final}
\author{Janis Hodorjonoks}
\maketitle
\begin{document}

```

$$\backslash includegraphics[height=10cm,]{tableorigin.jpg}$$

```
\begin{multicols}{3}
\pagecolor{green!19!black}
\color{white}
\section*{week 2}
```

```
\begin{enumerate}
  \item[] To Do :
    \begin{itemize}
      \item R course \\\
        on Datacamp
      \item HV1 code on Github
    \end{itemize}
\end{enumerate}
```

```
\begin{enumerate}

\item[] D.L. 2019-02-06 23:55
\begin{itemize}
\item compute Clais 70Bs\\
```

```

2019-02-13 - 14:30 made \\ upload \underline{HW1} (using R)
\end{itemize}
\end{enumerate}

\begin{tikzpicture}
\draw[thick, ->] (-1,-1) -- (1,-1) node[anchor=north east] {t};
\draw[thick, ->] (-1,-1) -- (-1,1) node[anchor=south east] {L};

\end{tikzpicture};

\columnbreak
$\Box = [\text{job.time}]$
\begin{enumerate}
\item[3.]  $\frac{6}{5} = L_{\text{sys}}^{-}$   $[\frac{\Box}{\text{job}}] = \frac{\text{job time}}{\text{time}} - \text{job}$  ]
\item[2.]  $\frac{3}{5} = L_q^{-}$   $[\frac{\Box}{\text{time}} = \text{job}]$ 
\item[1.]  $\frac{3}{5} = L_{\text{SRV}}^{-}$   $[\frac{\Box}{\text{time}} = \text{job}]$ 
\item []  $\boxed{L_{\text{sys}} = L_q^{-} + L_{\text{SRV}}^{-}}$ 
\end{enumerate}

\columnbreak

\begin{tikzpicture}

```

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\draw[thick,color=red,<->] (-2,-1) -- (-2,1) node[anchor=south east] {\textcolor{red}{SERVER}};
\draw[thick,color=green,<->] (-2,1.1) -- (-2,3.5) node {\textcolor{blue}{QUEUE}};
\draw[thick,color=blue,<->] (-4,-1) -- (-4,3.5) node {\textcolor{blue}{SYSTEM}};


\draw[thick, ->] (-1,-1) -- (5.5,-1) node[anchor=north east] {};
\draw[thick, ->] (-1,-1) -- (-1,3.5) node[anchor=south east] {$L_{\text{sys}}$};
\foreach \x in {0,1,2,3,4,5}
    \draw (\x cm, -28pt) -- (\x cm, -32pt) node[anchor=north] {$$\x$$};
\foreach \y in {0,1,2,3}
    \draw (-28pt, \y cm) -- (-32pt, \y cm) node[anchor=west] {$$\y$$};
\draw[thick,red,-] (0,0)--(1,0)--(1,1)--(2,1)--(2,3)--(3,3)--(3,0)--(4,0)--(4,2)--(5,2)--(5,0)--(5.5,0)


\end{tikzpicture};


\columnbrake


\begin{tikzpicture}

%\draw[black, thick,blue] (0,0) -- (1,0) -- (1,1) -- (0,1) -- (0,0);
%\draw[black, thick,blue] (0.2,0) -- (0.2,1);
%\draw[black, thick,blue] (0.5,0) -- (0.5,1);

```

```

%\draw[black, thick,blue] (0.8,0) -- (0.8,1);
\draw[white,thick,blue] (0,0) -- (1,0) -- (1,1) -- (0,1) -- (0,0);
\draw[white,thick,blue] (0.2,0) -- (0.2,1);
\draw[white,thick,blue] (0.5,0) -- (0.5,1);
\draw[white,thick,blue] (0.8,0) -- (0.8,1);
\draw[white,thick,red](1.7,0.5) circle (0.5);
\draw[very thick,->] (-0.8,0.5) -- (-0.1,0.5);
\draw[very thick,->] (2.3,0.5) -- (3,0.5);
\node[text width=4cm] at (2.2,-0.5)  $\{L_q^{\sim}+L_{SRV}^{\sim}\}$ ;
\node[text width=4cm] at (2.5,1.8)  $\{L_{SYS}^{\sim}\}$ ;
\node[rotate=270] at (1,1.2)  $\{\text{Bigg}\}$ ;
\end{tikzpicture};
\end{multicols}

```

\pagebreak