Green Board

Viktors Djakonvs

May 31, 2019

Mans variants

Week 2

To Do:

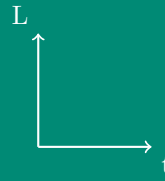
- R course on DateTaip
- HW 1 code in GITHUB

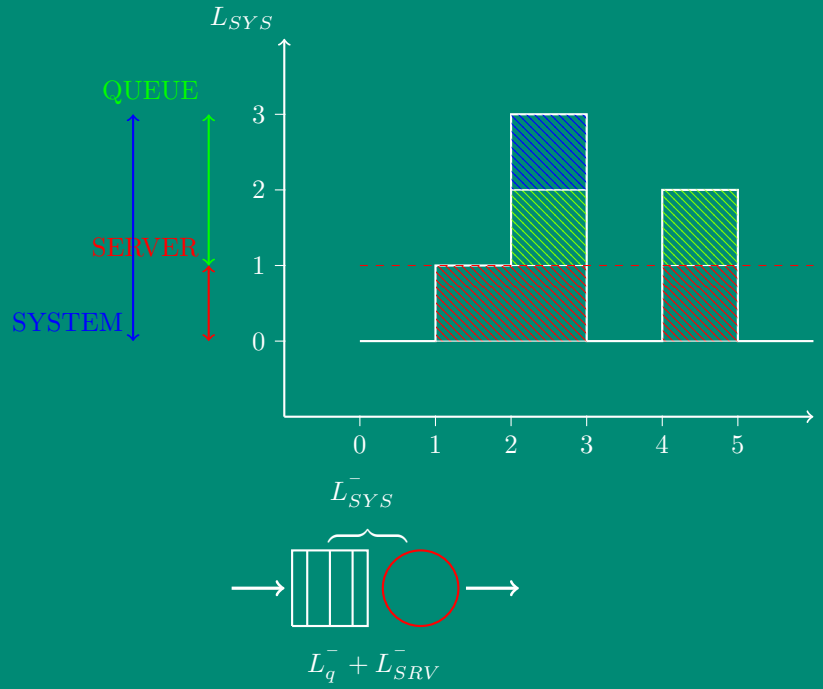
D.L 2019-02-06 23:55

. compute CLALS JOB:

2019-02-13 14:30

. upload HW 1 (made using R)

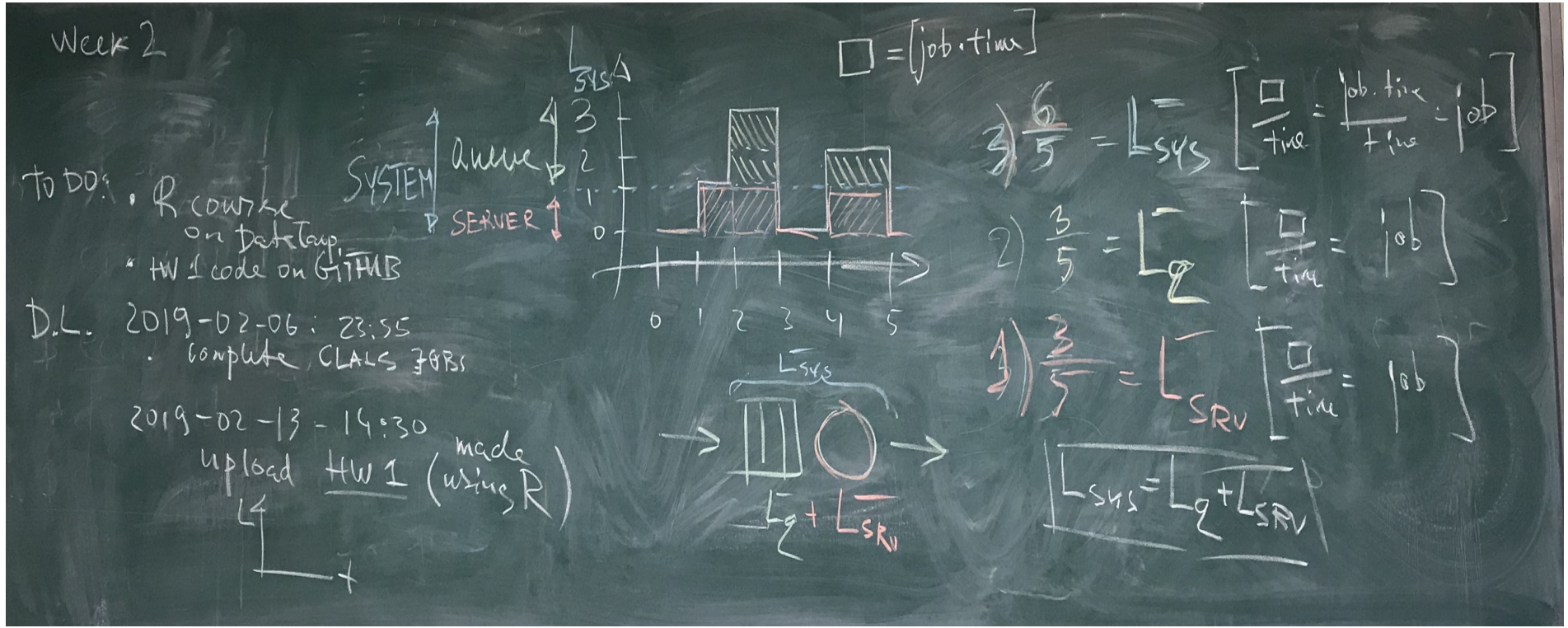




$$\square = \left[job.time \right]$$

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

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


Week 2
TO DO:
• R course on DataCamp
• HW 1 code on GITHUB
D.L. 2019-02-06 : 23:55
• compute CLALS JOBS
2019-02-13 - 14:30
upload HW 1 (made using R)
SYSTEM
queue
SERVER
L_{SYS}
0 1 2 3 4 5
□ = [job · time]
3) $\frac{6}{5} = L_{SYS}$ $\left[\frac{\square}{time} = \frac{job \cdot time}{time} = job\right]$
2) $\frac{3}{5} = L_q$ $\left[\frac{\square}{time} = job\right]$
1) $\frac{3}{5} = L_{SRV}$ $\left[\frac{\square}{time} = job\right]$
$L_{SYS} = L_q + L_{SRV}$

KODS

```
\documentclass{report}
\usepackage[utf8]{inputenc}
\usepackage{tikz}
\usepackage{tabu}
\usepackage{amssymb}
\usepackage{latexsym}
\usepackage[usenames]{color}
\usetikzlibrary{patterns}
\usepackage{geometry}
\geometry{legalpaper, landscape,papersize={15cm,32cm}, margin=1in}
\usepackage{multicol}
\thispagestyle{empty}
\usepackage{graphicx}
\usepackage{listings}


\author{Viktors Djakonvs}
\title{Green Board}
\maketitle

\begin{document}
Mans variants
\begin{multicols}{3}
```

```
\pagecolor{green!54!blue}
\color{white}
\section*{Week 2}

\begin{enumerate}
\item[$ $] To Do:
    \begin{itemize}
        \item R course on DateTaip
        \item HW 1 code in GITHUB
\end{itemize}
    \item[$ $]D.L  2019-02-06 23:55
    \begin{itemize}
        \item[$.$] compute CLALS JOB:
\end{itemize}
    \item[$ $]\hspace{20pt}2019-02-13 14:30
    \begin{itemize}

            \item[$.$]upload HW 1 (made using R)\\
\begin{tikzpicture}
\draw[thick,->] (0,0) -- (1.5,0) node[anchor=north west] {t};
\draw[thick,->] (0,0) -- (0,1.5) node[anchor=south east] {L};
        \end{tikzpicture}
    \end{itemize}
\end{enumerate}
\columnbreak
```

```
\hspace{-3cm}\begin{tikzpicture}
\draw[color=red][thick,<->] (-2,0) -- (-2,1) node[anchor=south east]{\textcolor{red}{SERVER}};
\draw[color=green][thick,<->] (-2,1) -- (-2,3)node[anchor=south east]{\textcolor{green}{QUEUE}};
\draw[color=blue][thick,<->] (-3,3) -- (-3,0) node[anchor=south east]{\textcolor{blue}{SYSTEM}};

\draw[thick,->] (-1,-1) -- (6,-1) node[anchor=north west] { };
\draw[thick,->] (-1,-1) -- (-1,4) node[anchor=south east] {$L_{SYS}$};
\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=east] {$\y$};

\draw[thick,-](0,0) -- (1,0) -- (1,1) -- (2,1) -- (2,3) -- (3,3) -- (3,1) -- (3,0) -- (4,0) -- (4,2) -- (5,2) -- (5,0) -- (6,0);
\draw[pattern=north west lines, pattern color=red] (1,0) rectangle (3,1);
\draw[pattern=north west lines, pattern color=yellow!50!green] (2,1) rectangle (3,2);
\draw[pattern=north west lines, pattern color=blue] (2,2) rectangle (3,3);
\draw[pattern=north west lines, pattern color=red] (4,0) rectangle (5,1);
\draw[pattern=north west lines, pattern color=yellow!50!green] (4,1) rectangle (5,2);
\draw[color=red][dashed](0,1) -- (6,1)
\end{tikzpicture}



\begin{tikzpicture}
```

```
\draw[white, thick] (0,0) -- (1,0) -- (1,1) -- (0,1) -- (0,0);
\draw[white, thick] (0.2,0) -- (0.2,1);
\draw[white, thick] (0.5,0) -- (0.5,1);
\draw[white, thick] (0.8,0) -- (0.8,1);
\draw[red,thick](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){$L_{q}^{^-}+L_{SRV}^{^-}$};
\node[text width=4cm] at (2.5,1.8) {$L_{SYS}^{^-}$};
\node[rotate=270] at (1,1.2) {\Bigg\{};
\end{tikzpicture}

\columnbreak

\begin{center}
    $${\Box}=\Bigg\lbrack{job.time}\Bigg\rbrack$$
\end{center}

\begin{center}
\begin{tabular}{ |c|c|c| }
 \hline
 3 & $\frac{6}{5}=L_{SYS}^{^-}\Bigg\lbrack\frac{\Box}{time}=\frac{job.time}{time}-job\Bigg\rbrack$  \\
 2 & $\textcolor{yellow}{\frac{3}{5}=L_{q}^{^-}}\Bigg\lbrack\frac{\Box}{time}=job\Bigg\rbrack$ \\
 \textcolor{red}{\hbox{1}} & $\textcolor{red}{\frac{3}{5}=L_{SRV}^{^-}}\Bigg\lbrack\frac{\Box}{time}=job\Bigg\rbrack$\\
\hline
```

```
\end{tabular}
\end{center}

\begin{center}
\begin{tabular}{|c|}
\hline
$L_{SYS}=L_{q}+L_{SRV}$\\
\hline
\end{tabular}
\end{center}

\end{multicols}
\newpage
\pagecolor{white}
\includegraphics[scale=0.5,width=25cm,height=10cm]{originboard.jpg}
\newpage\newgeometry{papersize={15cm,15cm}}
\pagecolor{white}
\title{KODS}
```