Agija Bebriša

May 30, 2019

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]

L_{SYS}

$L_q + L_{SRV}$

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

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

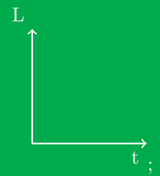
0.1 week 2

To Do :

- R course
  on Datacamp
- HV 1 code on Github

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

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



;

article graphicx

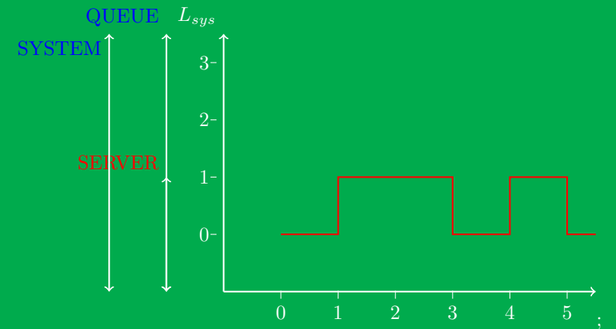
$\square = [job.time]$

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

2. $\frac{3}{5} = L_{q}^{-}$ $[\frac{\square}{time} = job]$

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

$$\boxed{L_{sys} = L_{q}^{-} + L_{SRV}^{-}}$$



;

```
\documentclass{report}
\documentclass[56pt]{extreport}
\usepackage[utf8]{inputenc}
\usepackage{tikz}
\usepackage{tabu}
\usepackage{color}
\usepackage[usesname]{color}
\usepackage{geometry}
\usepackage{amssymb}
\usepackage{latexsym}
\usepackage{multicol}
\geometry{papersize={45cm,12cm}}
\geometry{left=1cm}
\geometry{right=1cm}
\geometry{bottom=1cm}
\geometry{top=1cm}
\usetikzlibrary{patterns}


\author{Agija Bebriša}
\maketitle
\begin{document}
\includegraphics[height=10cm]{tafele.jpg}
```

```
\begin{multicols}{3}
\pagecolor{yellow!10!green}
\color{white}
\section{week 2}




\begin{enumerate}
    \item[] To Do :
        \begin{itemize}
            \item R course \\
                    on Datacamp
            \item HV 1 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 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
$\Box = [job.time]$
\begin{enumerate}
    \item[3.] $\frac{6}{5} = L_{sys}^{-}$ [$\frac{\Box}{job}$ = $\frac{job time}{time} - job$ ]
    \item[2.] $\textcolor{yellow}{\frac{3}{5} = L_q^{-}}$ [$\frac{\Box}{time} = job$]
    \item[1.] $\textcolor{red}{\frac{3}{5} = L_{SRV}^{-}}$ [$\frac{\Box}{time} = job$]
    \item []  \fbox{$L_{sys}$ = $L_q^{-}$ + $L_{SRV}^{-}$}
\end{enumerate}

\columnbreak

\begin{tikzpicture}
```

```
\draw[thick,<->] (-2,-1) -- (-2,1) node[anchor=south east] {\textcolor{red}{SERVER}};
\draw[thick,<->] (-2,-1) -- (-2,3.5) node[anchor=south east] {\textcolor{blue}{QUEUE}};
\draw[thick,<->] (-3,-1) -- (-3,3.5) node[anchor=north east] {\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] {$L_{sys}$};
\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 (-35pt, \y cm) -- (-32pt, \y cm) node[anchor=east] {$\y$};
\draw[thick,red,-](0,0)--(1,0)--(1,1)--(3,1)--(3,0)--(4,0)--(4,1)--(5,1)--(5,0)--(5.5,0)

\end{tikzpicture};

\columnbrake
\begin{tikzpicture}

\draw[black, thick] (0,0) -- (1,0) -- (1,1) -- (0,1) -- (0,0);
\draw[black, thick] (0.2,0) -- (0.2,1);
\draw[black, thick] (0.5,0) -- (0.5,1);
\draw[black, thick] (0.8,0) -- (0.8,1);
\draw[black,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};
\end{multicols}
\end{document}



\documentclass{article}
\usepackage{graphicx}
\graphicspath{ {./tafele/} }



\includegraphics{universe}

There's a picture of a galaxy above
\end{document}
```