1819-108-W5-C1-GreenBoard-Final

Agneta Apaļka

25 February 2019

Week 2

TO DO:
- R course on DataCamp
- "HW 1 code on GITHUB

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

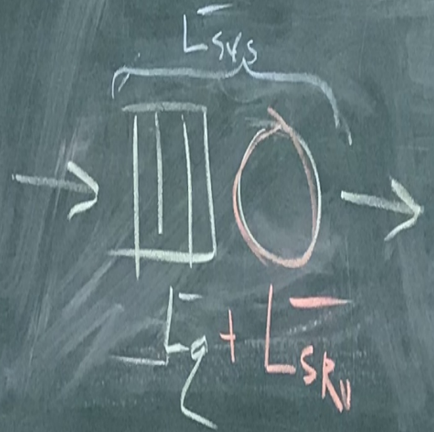
2019-02-13 - 14:30
upload HW 1 (made using R)

$\square$ = [job · time]

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

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

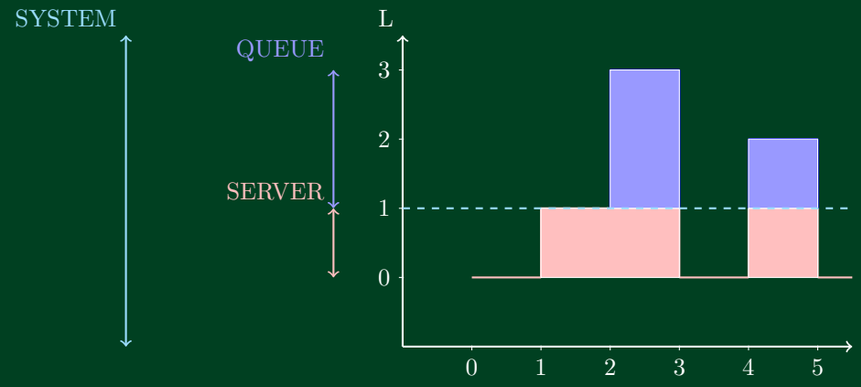
1) $\frac{3}{5} = L_{SRV}$ $\left[\frac{\square}{time} = job\right]$



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

Week 2

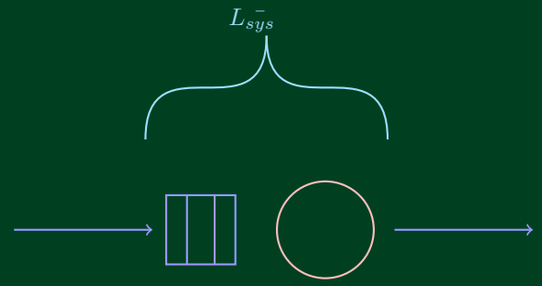
$\square = [job * time]$



TO DO:

· R course on Datacamp

· HW 1 code on GitHub



$L_q^- + L_{srv}^-$

3) $\frac{6}{5} = L_{sys}^-$ $\quad [\frac{\square}{time} = \frac{job*time}{time} = job]$

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

· complete CLASS JOBS

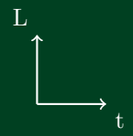
2019-02-13 - 14:30

· upload HW1 (made using R)

2) $\frac{3}{5} = L_q^-$ $\quad [\frac{\square}{time} = job]$

1) $\frac{3}{5} = L_{srv}^-$ $\quad [\frac{\square}{time} = job]$

$\boxed{\mathrm{L}_{sys} = L_q^- + L_{srv}^-}$



KODS:

```
\documentclass{report}
\usepackage[utf8]{inputenc}
\usepackage[legalpaper, landscape, margin=0.5in]{geometry}
\usepackage{graphicx}
\usepackage{tikz}
\usepackage{latexsym}
\usepackage{amsmath}
\usepackage{xcolor}
\definecolor{brg}{rgb}{0.0, 0.25, 0.13}
\definecolor{lblue}{rgb}{0.61, 0.87, 1.0}
\usepackage{listings}

\title{1819-108-W5-C1-GreenBoard-Final}
\author{Agneta Apa ka }
\date{25 February 2019}


\begin{document}
\maketitle
\newpage
\includegraphics[width=32cm, height=18cm]{tafele}
\newpage
\pagecolor{brg}
\color{white}
Week 2
\hspace{220mm}$\Box = [job * time]$

\begin{tikzpicture}
\hspace{100mm}
\draw[thick,->] (-1,-1) -- (5.5,-1) node[anchor=north west] {}; %xass
\draw[thick,->] (-1,-1) -- (-1,3.5) node[anchor=south east] {L}; %yass

\foreach \x in {0,1,2,3,4,5}
\draw (\x cm, -28pt) -- (\x cm, -30pt) node[anchor=north] {$\x$};
\foreach \y in {0,1,2,3}
\draw (-28pt, \y cm) -- (-30pt, \y cm) node[anchor=east] {$\y$};

\draw[pink,thick] (0,0) -- (1,0);
\draw[pink,thick](1,0) -- (1,1);
\draw[pink,thick](1,1) -- (3,1);
\draw[pink,thick](3,1) -- (3,0);
\draw[pink,thick](3,0) -- (4,0);
\draw[pink,thick](4,0) -- (4,1);
\draw[pink,thick](4,1) -- (5,1);
```

```
\draw[pink,thick](5,1) -- (5,0);
\draw[pink,thick](5,0) -- (5.5,0);
\filldraw [fill=pink] (1,0) rectangle (3,1);
\filldraw [fill=pink] (4,0) rectangle (5,1);
\draw[blue,thick](2,1) -- (2,3);
\draw[blue,thick](2,3) -- (3,3);
\draw[blue,thick](3,3) -- (3,1);
\draw[blue,thick](4,1) -- (4,2);
\draw[blue,thick](4,2) -- (5,2);
\draw[blue,thick](5,2) -- (5,1);
\filldraw[fill=blue!40!white] (2,1) rectangle (3,3);
\filldraw[fill=blue!40!white] (4,1) rectangle (5,2);
\draw[lblue, thick, dashed] (-1,1) -- (5.5,1);
\draw[lblue,thick,<->] (-5,-1) -- (-5,3.5) node[anchor=south east] {SYSTEM};
\draw[pink,thick,<->] (-2,0) -- (-2,1) node[anchor=south east] {SERVER};
\draw[blue!40!white,thick,<->] (-2,1) -- (-2,3) node[anchor=south east] {QUEUE};
\end{tikzpicture}
```

TO DO:

```
\begin{description}
\item \hspace{16mm}  $\cdot$ R course on Datacamp
\item \hspace{16mm} $\cdot$ HW 1 code on GitHub
\end{description}

\color{lblue}
\hspace{155mm} $L\bar{_{sys}}$

\begin{tikzpicture}
\hspace{144mm}
\draw [lblue, thick](1,-7.5) .. controls (1, -6) and (2.75, -7.5) .. (2.75, -6);
\draw [lblue, thick](2.75, -6) .. controls (2.75, -7.5) and (4.5, -6) .. (4.5, -7.5);
\end{tikzpicture}

\color{lblue}
\hspace{250mm}3) $\frac{6}{5} = L\bar{_{sys}} \color{white} \hspace{5mm} [\frac{\Box}{time}=\frac{job*time}{time}=job]$
\color{white}

\begin{tikzpicture}
\hspace{125mm}
\draw[blue!40!white, thick, ->] (-1,-8) -- (1,-8) node[anchor=north west] {};
\draw[blue!40!white, thick] (1.2,-8.5) rectangle (2.2,-7.5);
\draw[blue!40!white, thick] (1.5, -8.5) -- (1.5, -7.5);
\draw[blue!40!white, thick] (1.9, -8.5) -- (1.9, -7.5);
\draw[pink, thick] (3.5,-8) circle (0.7cm);
\draw[blue!40!white, thick, ->] (4.5,-8) -- (6.5,-8) node[anchor=north west] {};
```

```
\end{tikzpicture}

\par
D.L. \hspace{7mm}  2019-02-06 : 23:55
\begin{description}
\item \hspace{16mm} $\cdot$ complete CLASS JOBS
\end{description}


\hspace{153mm} \color{blue!40!white}$L\bar{_q}  \color{pink} +L\bar{_{srv}}$
\color{white}

\color{blue!40!white}
\hspace{250mm}2) $\frac{3}{5} = L\bar{_q} \color{white} \hspace{5mm}[\frac{\Box}{time}=job]$
\color{white}


\hspace{12mm} 2019-02-13 - 14:30
\begin{description}
\item \hspace{16mm} $\cdot$ upload \underline{HW1} (made using R)
\end{description}

\color{pink}
\hspace{250mm}1) $\frac{3}{5} = L\bar{_{srv}}
\color{white} \hspace{5mm}[\frac{\Box}{time}=job]$
\color{white}

\[
\hspace{220mm}\boxed {$L_{sys} = L\bar{_q} + L\bar{_{srv}}$}
\]


\begin{tikzpicture}
\hspace{20mm}
\draw[thick,->] (0,0) -- (1,0) node[anchor=north west] {t};
\draw[thick,->] (0,0) -- (0,1) node[anchor=south east] {L};
\end{tikzpicture}
```