

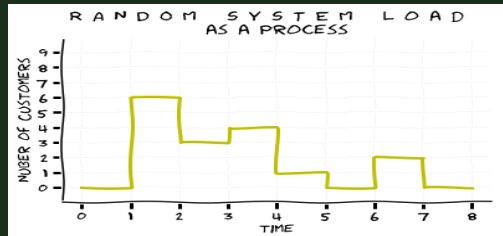
1819-108-C1-W4-03

Kārlis Kreilis

February 2019

Week 2

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.



$$1) \quad \frac{14}{8} = L_{sys}^- \quad \left[\frac{jobs \cdot time}{time} = jobs \right]$$

$$2) \quad \frac{11}{8} = \bar{L}_q \quad \left[\frac{jobs \cdot time}{time} = jobs \right]$$

$$3) \quad \frac{3}{8} = L_{srv}^- \quad \left[\frac{jobs \cdot time}{time} = jobs \right]$$

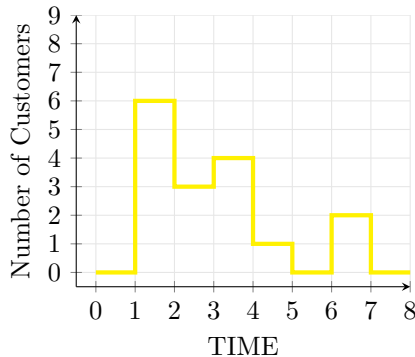
$$\boxed{L_{sys}^- = \bar{L}_q + L_{srv}^-}$$

Originālais attēls

Week 3

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Random System Load As A Process



$$1) \quad \frac{14}{8} = L_{sys}^- \quad \left[\frac{jobs \cdot time}{time} = jobs \right]$$

$$2) \quad \frac{11}{8} = L_q^- \quad \left[\frac{jobs \cdot time}{time} = jobs \right]$$

$$3) \quad \frac{3}{8} = L_{srv}^- \quad \left[\frac{jobs \cdot time}{time} = jobs \right]$$

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

```
\documentclass{report}
\usepackage[utf8]{inputenc}
\usepackage[paperheight=76.2mm,paperwidth=228.6mm, bottom=0.25in]{geometry}
\usepackage{xcolor}
\definecolor{GreenB}{HTML}{1A301A}
\usepackage{multicol}
\usepackage{lipsum}
\usepackage{blindtext}
\usepackage{tikz}
\usepackage{amsmath}
\usepackage{ragged2e}
\usepackage{enumitem}
\usepackage{graphicx}
\usepackage{listings}

\usepackage{pgfplots}
```

```
\pgfplotsset{width=6cm,compat=1.9}
\usetikzlibrary{backgrounds}
\textwidth= \paperwidth
\textheight= \paperheight
\hoffset= -1.25in
\voffset= -0.25in

\title{1819-108-C1-W4-03}
\author{Karlis Kreilis}
\date{February 2019}

\setlength{\columnseprule}{1pt}
\def\columnseprulecolor{\color{white}}

\pagestyle{empty}
\begin{document}
\maketitle
\color{black}
\pagecolor{white}
Originalais attels
\begin{figure}
\includegraphics[width=\paperwidth, height=50mm]{GreenBoard(1).pdf}
\end{figure}

\newpage
\pagecolor{GreenB}
\color{white}
\begin{multicols}{3}[Week 3]
\begin{flushleft}
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo.
Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.
Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes.
Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.
\end{flushleft}
\columnbreak

\color{black}
\begin{tikzpicture}[background rectangle/.style={fill=white},show background rectangle,]

\pgfplotsset{grid style={gray}}
\pgfplotsset{major grid style={black!10}}

\begin{axis}[
title={Random System Load As A Process},
axis lines = left,
```

```

xmin=-0.5, xmax=8,
ymin=-0.5, ymax=9,
xtick={0,1,...,8},
ytick={0,1,...,9},
xlabel = TIME,
grid=both,
ylabel = {Number of Customers},
]
\addplot[ color=yellow, ultra thick]
coordinates {(0,0) (1,0)
(1,6) (2,6) (2,3) (3,3) (3,4) (4,4) (4,1) (5,1) (5,0) (6,0) (6,2) (7,2) (7,0) (8,
\end{axis}
\end{tikzpicture}
\color{white}

\columnbreak

\begin{enumerate}[label=\arabic*), itemsep=20pt, itemindent=0.5cm, labelsep=0.7cm]
\item  $\frac{14}{8} = L^{\{-\}}_{\text{sys}} \backslash ; \backslash ; \backslash ; \quad [\frac{\text{jobs} \cdot \text{time}}{\text{time}} = \text{jobs}] \$$ 

\item  $\frac{11}{8} = L^{\{-\}}_{\text{q}} \backslash ; \backslash ; \backslash ; \quad [\frac{\text{jobs} \cdot \text{time}}{\text{time}} = \text{jobs}] \$$ 

\item  $\frac{3}{8} = L^{\{-\}}_{\text{srv}} \backslash ; \backslash ; \backslash ; \quad [\frac{\text{jobs} \cdot \text{time}}{\text{time}} = \text{jobs}] \$$ 
\end{enumerate}

\begin{center}
\begin{tabular}{|c|}
\hline
 $L^{\{-\}}_{\text{sys}} = L^{\{-\}}_{\text{q}} + L^{\{-\}}_{\text{srv}}$ 
\\
\hline
\end{tabular}
\end{center}

\end{multicols}

\clearpage
\color{black}
\pagecolor{white}
\ejct \pdfpagewidth=8.27in \pdfpageheight=11.69in
\textheight=9in
\textwidth=7in

```