CS-213 : Lab 10 : LaTeX Advanced Features

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In this lab you will learn to use LaTeXto type mathematical formulas, draw graphics and make presentations.

1. Typeset following formulas.
   (a) 974
   (b) $4 + 2$
   (c) $\sqrt[3]{5}$
   (d) $\frac{x}{y}$
   (e) $A^x y$
   (f) $\sum k = 1^n k$
   (g) $2 \neq 4$
   (h) $\phi \in \Psi$
   (i) $f(\xi)$
   (j) CH_3COOH
   (k) $180°C$
   (l) $\forall x \in \mathbf{R} : \qquad x^2 \geq 0$
   (m)
   $$\sum_{\substack{0<i<n \\ j \subseteq i}}^{n} Q(i,j) = P(i,j) \times R(i,j)$$
   (n) $\forall P \cdot [[P(0) \wedge \forall (k \in \mathbf{N}) \cdot [P(k) \implies P(k+1)]] \implies \forall n \in \mathbf{N} \cdot P(n)]$
2. Draw the following diagram shown in Figure 1 using TikZ.
3. Make a 4 slide presentation including title slide, and using *pause* and *only* command. Topic is the SSL project you have undertaken.

Make use of the manual provided if needed.

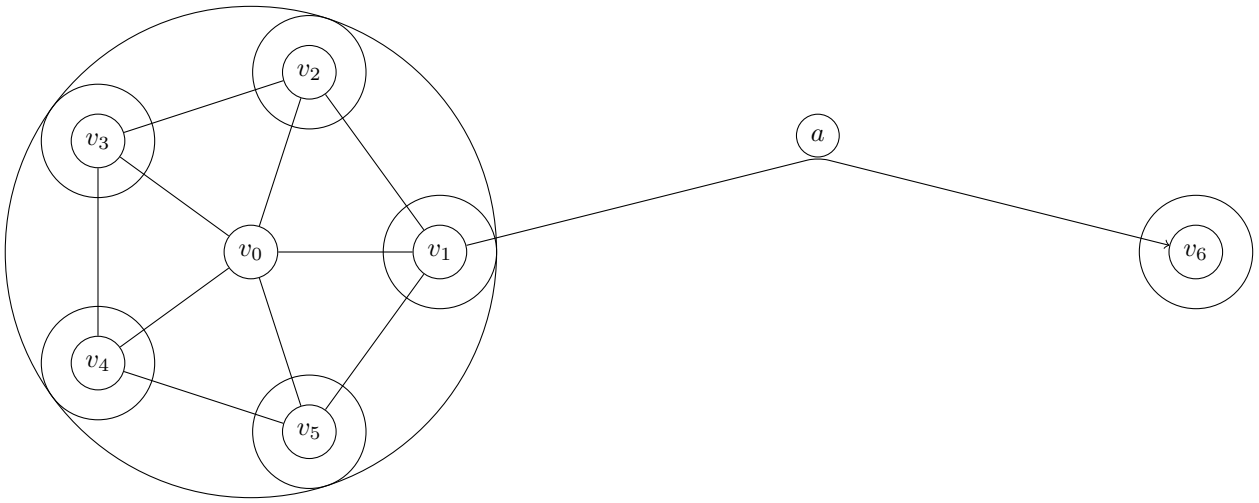

Figure 1: Figure containing nodes

Compilation instructions

Use `pdflatex rollno.tex` to create rollno.pdf.

Use `tar -czvvf rollno-lab-10.tar.gz rollno-lab-10` to create the tar ball.

Submission instructions

Create a folder called rollno-lab-10 containing

1. rollno.tex – the source file,
2. rollno.pdf – the output file,

Create a tar ball rollno-lab-10.tar.gz of this directory, and upload it.
