CSE 300 - Class 1

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Contents

1 Introduction

This is a **bold** text. This is *italic*.
    Hey there.
How are you!!!
    I am fine...

Bhalo thako LaTeX!!

2 Experiment

2.1 Part 1

2.2 Part 2

2.2.1 Part 2.1

Part 2.2

Bhai re bhai!!
Ki r bolbo!!

$$a^3 + b^3 > c^3$$
$$a^3 + b^3 \leq c^3$$
$$\frac{3}{8}$$

This n should be greater than 100

$$E = mc^2 \tag{1}$$

$$y = \sqrt[3]{\frac{x^3}{k+1}} \tag{2}$$

$$\sum_{i=0}^{n} = x + y \tag{3}$$

$$p(\theta) = \sum_{i=0}^{k} \phi_i \mathcal{N}(\mu_i, \sigma_i) \tag{4}$$

$$\mathcal{N}(x_i; \mu, \sigma) = \frac{1}{2\sqrt{\pi}\sigma} e^{-\frac{(x-\mu)^2}{2\sigma^2}} \tag{5}$$

Look at equation (5)

$$|x| = \begin{cases} x & \text{if } x \geq 0 \\ -x & \text{if } x < 0 \end{cases} \tag{6}$$

$$f(x) = (x-1)(x+1)$$
$$+ e^x$$
$$= x^2 - 1 + e^x \tag{7}$$

&

3 Table

1	2	3	4
text		6	7
		6	7

3.1 Basic Table

1	2	3	4
1	2	3	4
text			4
text	2	3	4
	2	3	4
text			5
			7

3.2 Table 1

1	2	3	4
1	2	3	4

3.3 Table 2

1	text		
1	2	3	4

3.4 Table 3

x	y (in centimeter)	
1		2
200	400	

BOLD *ITALIC*

3.5 Table

Above in figure 2, we see a youtuber who is poor!! In section 2, its time for experiment brooosss!!
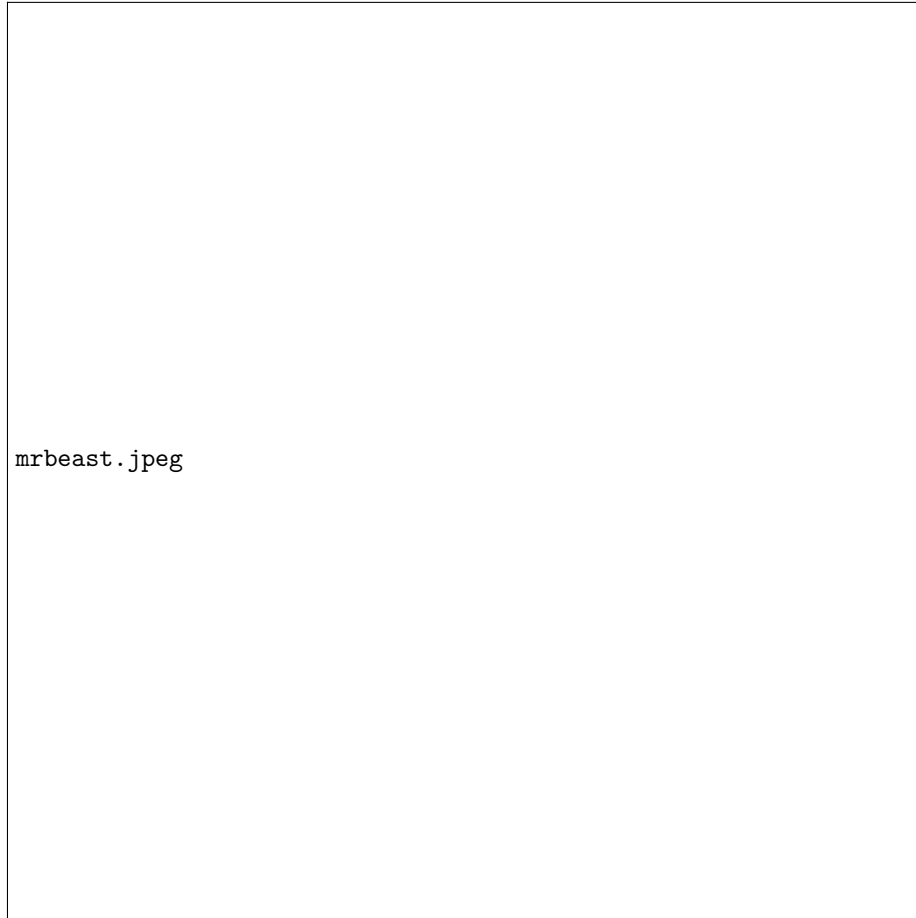
x	y
1	2
200	400

Table 1: New Table

mrbeast.jpeg

Figure 1: Mr Beast

mrbeast.jpeg

Figure 2: Mr Beast

width=0.15

(a) b

Figure 3: Pic 1
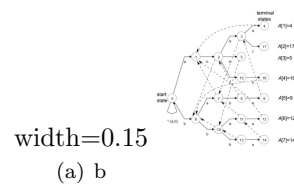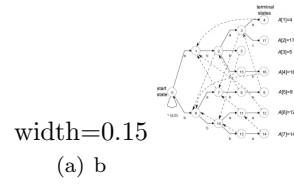
width=0.15

(a) b
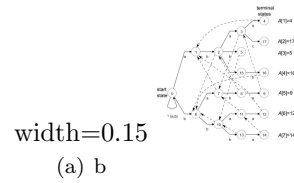
Figure 4: Pic 2

width=0.15

(a) b
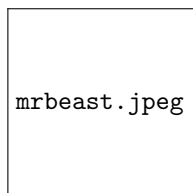
Figure 5: Pic 3

Figure 6: Caption

- Nafee
- Mobs

  1. Ami
  2. Redwan

In this course we are citing: [1] [2]

References

[1] Donald E. Knuth. *Companion to the papers of Donald Knuth*. Vol. 202. Cambridge University Press, 2012.

[2] Donald E. Knuth. *Companion to the papers of Donald Knuth*. Vol. 202. Cambridge University Press, 2012.