

Computer Science & Engineering Department  
I. I. T. Kharagpur

Foundations of Computing : CS 300053  
*3rd Year ID Elective : 5th Semester*  
*Tutorial - II*

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Show that the following functions are  $\lambda$ -definable.

1. Boolean functions **and**, **or** and **not**.
2. Subtraction operation
3.  $\sum_{i=0}^n i$ .
4. Relational function **equal**, **less than** etc.
5. Division, remainder, GCD,  $x|y$ .