CIS260-201/204–Spring 2008
LaTeX Symbol Set #1
Friday, January 25

1 Symbols

Symbol	LaTeX Code	Remarks
$+$	`+`	
$\times$	`\times`	
$\cdot$	`\cdot`	
$\Rightarrow$	`\Rightarrow`	
$\Leftarrow$	`\Leftarrow`	
$\Leftrightarrow$	`\Leftrightarrow`	
$\neg$	`\neg` or `\lnot`	
$\Box$	`\Box`	Need **amssymb** package.

2 Examples

Expression	LaTeX Code
$1 + 1 = 2$	`1+1=2`
$2 \times 3 = 6$	`2\times 3=6`
$1 \cdot 0 = 0$	`1\cdot 0=0`
$A \Rightarrow B$	`A\Rightarrow B`
$A \Leftarrow B$	`A\Leftarrow B`
$A \Leftrightarrow B$	`A\Leftrightarrow B`
$\neg A$	`\neg A`

3 Exercises

Try typesetting these statements.

1. $ab = (2m + 1)(2n + 1) = 4mn + 2m + 2n + 1 = 2(2mn + m + n) + 1$

2. $x + (x + 1)$ is odd.

3. $1 + 0 = 1$ iff $1 \cdot 0 = 0$.

4. $(A \Rightarrow B) \Leftrightarrow (\neg B \Rightarrow \neg A)$