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**Lecture**

Lecture questions due Sep 27, 2016 at 19:30 IST

**Recitation****Problem Set 3**

Homework 3 due Sep 27, 2016 at 19:30 IST



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## Binary Logic Exercise

(1/1 point)

Which of the following is a valid transformation when the objective is to minimize  $z$  subject to  $z = \max\{2x - 4, |x - y|\}$ ? Select all answers that are correct.

☐ Max  $\{z : z \geq 2x - 4, z \geq x - y, z \geq y - x\}$ .

☒ Min  $\{z : z \geq 2x - 4, z \geq x - y, z \geq y - x\}$ . ✓

☐ Min  $\{z : z \geq 2x - 4, z \geq x - y, z \leq x - y\}$ .

☐ Min  $\{z : z \leq 2x - 4, z \leq x - y, z \leq y - x\}$ .
**SOLUTION**

- Min  $\{z : z \geq 2x - 4, z \geq x - y, z \geq y - x\}$ .

*You have used 1 of 2 submissions*

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