

CS 1511 Homework 19

Mathew Varughese, Justin Kramer, Zach Smith

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35. a) The polynomial to replace z would be $h(z) = (r \vee w \vee \neg z) \wedge (\neg r \vee \neg w \vee z)$ with r and w being randomly generated values.

35. b) i. The integer S would be $\sum_{x=0}^1 \prod_{y=0}^1 \sum_{z=0}^1 (x + y + (1 - z)) * ((1 - x) + (1 - y) + z)$

35. c)