

Homework #3 Extra Credit

Due: May 19, 2017

Points: 30

1. (30 points) Revisit the example for $x := y + z$ in Section 16.1.1. Assume that x does not exist in state s . Confirm that information flows from y and z to x by computing $H(y_s|x_t)$, $H(y_s)$, $H(z_s|x_t)$, and $H(z_s)$ and showing that $H(y_s|x_t) < H(y_s)$ and $H(z_s|x_t) < H(z_s)$.