IE 631   Integer Programming HW 2   (due : 2018/ 10/10, Wed. in class)

Handout (Bertsimas and Weismantel) #1.16, #1.17, #1.18, #1.19, #1.20, #1.22

#1.21(for extra credit)

1. Show that the LP relaxation of the formulation (1.4) for the pigeon hole principle is
   infeasible.

2. Let $X \subseteq R^n$ be the set of feasible solutions to an MIP. Show that the extreme
   points of conv(X) all lie in X.