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CS4150/PS10 – 2

/* Objective function */

max:r + 1.50s;
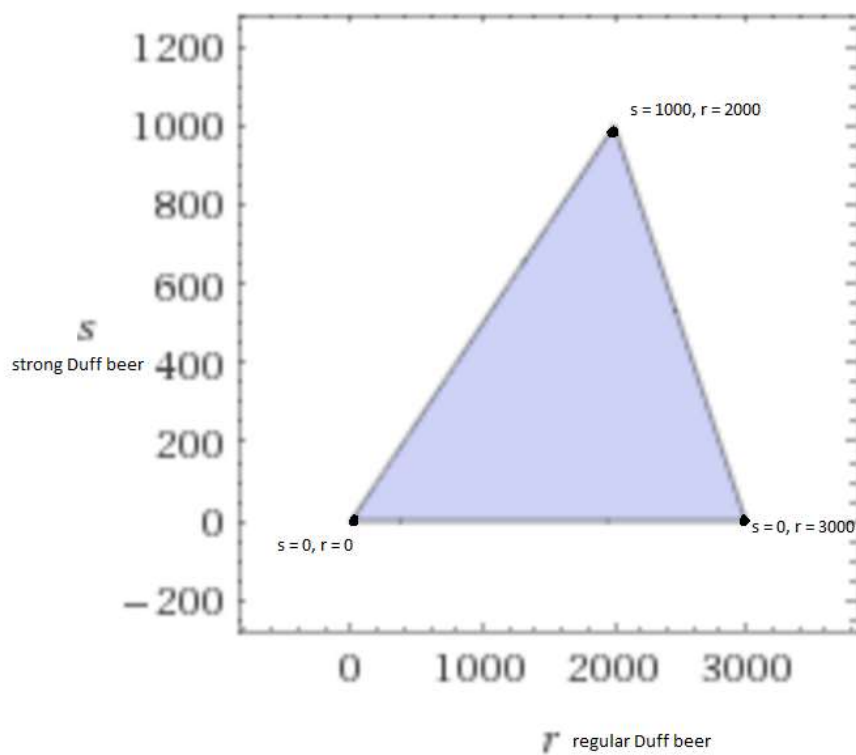
/* Variable bounds */

r>=0;

s>=0;

r>=2s;

r+s<=3000;

Regular Duff Beer	Strong Duff Beer	Value
r = 0	s = 0	0
r = 2000	s = 1000	3500
r = 3000	s = 0	3000

The maximum profit is achieved by buying and selling 2000 regular Duff beers and 1000 strong Duff beers.