

CSC165H1F
Problem Set 0
Due: Sep 18 4:00 p.m

2.

8 Baozi
5 Avocado
6 Baguette
0 French fries
3 Pasta

3.

{1130, 1160, 1180, 1190, 1210, 1220, 1240}

4. $(p \vee q) \Rightarrow \neg s$

p	q	s	$(p \vee q) \Rightarrow \neg s$
T	T	T	F
T	T	F	T
T	F	T	F
T	F	F	T
F	T	T	F
F	T	F	T
F	F	T	T
F	F	F	T

5. $2^{3X-1} = C^{5X}$

$$\ln 2^{3X-1} = \ln C^{5X}$$

$$3X - 1 = 5X \cdot \ln C$$

If $X = 0$, then $-1=0$, Contradiction!

If $X \neq 0$, then:

$$\frac{3X-1}{5X} = \ln C$$

$$X = \frac{1}{3-5 \ln C} \text{ Finish!}$$