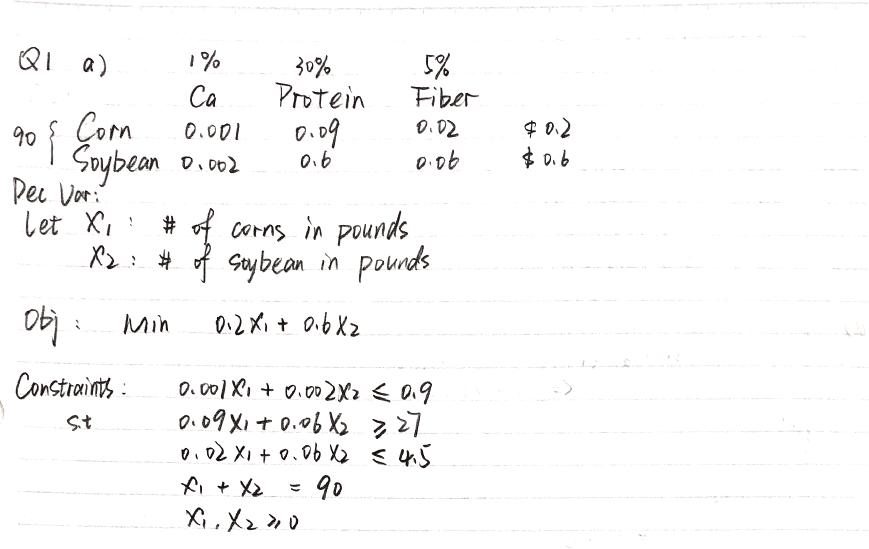
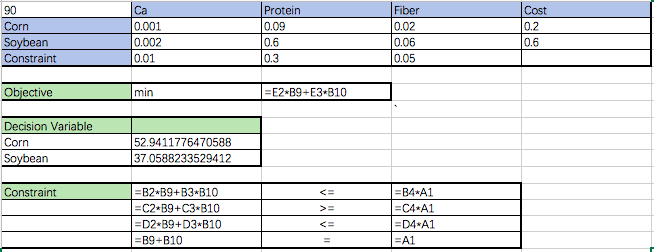
**Queenie Liu**

**ORIE 5380**

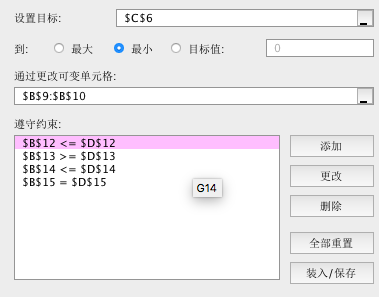
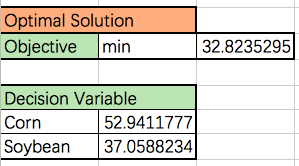
**HW1**

**Q1**



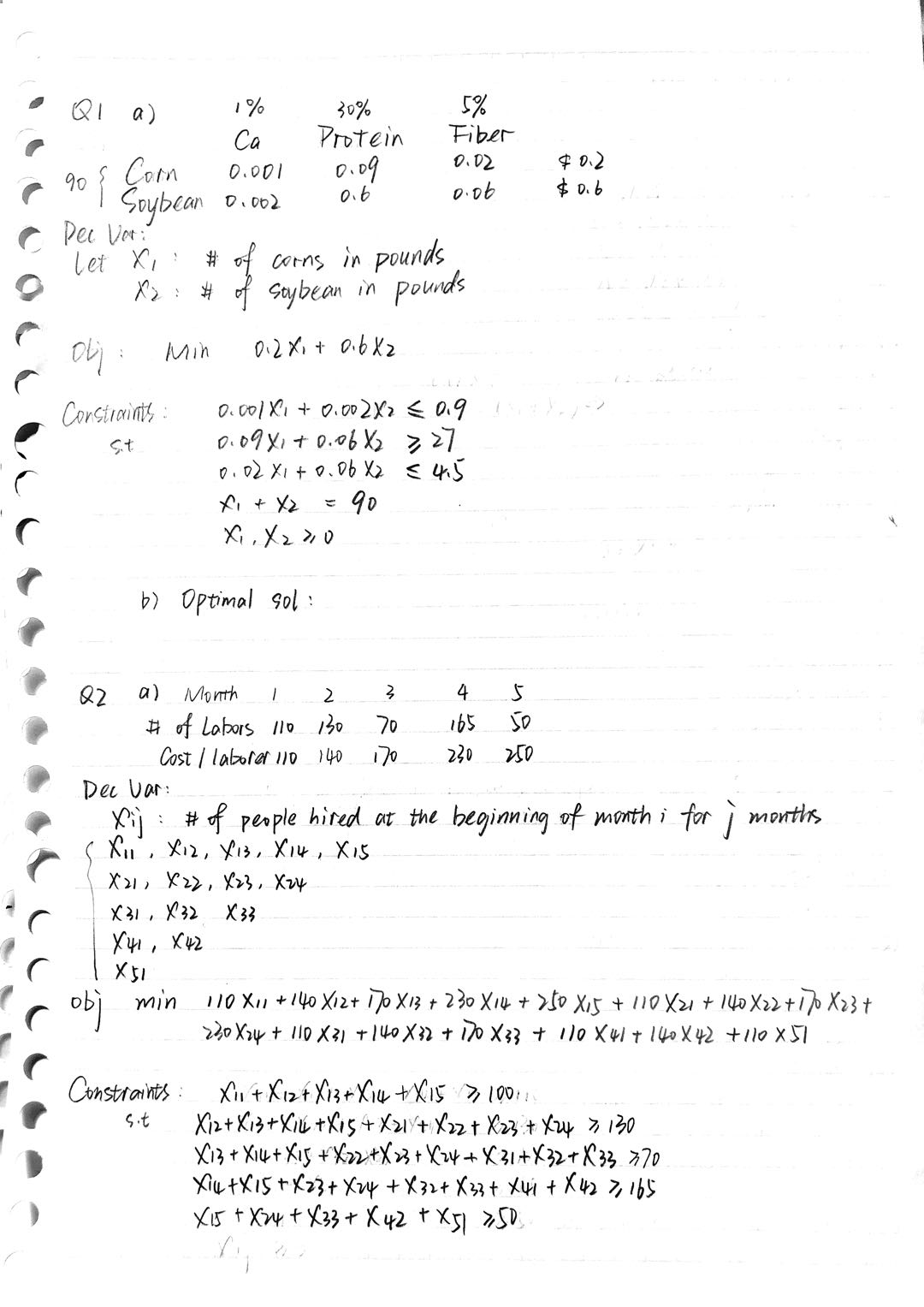


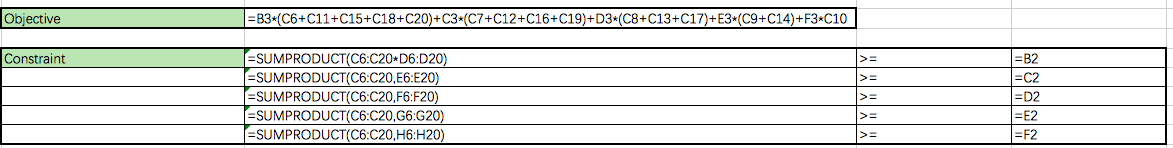
1. Optimal Solution

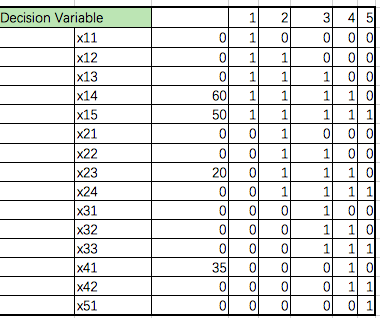


**Q2**

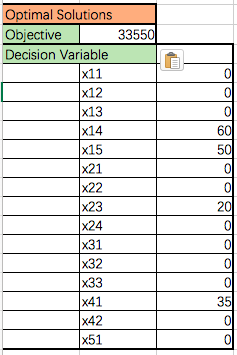




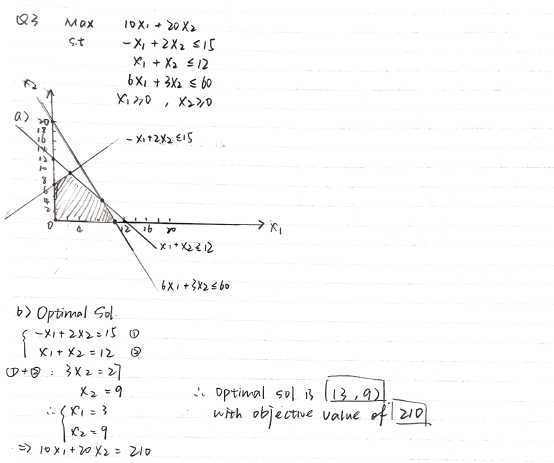




1. Optimal Solutions

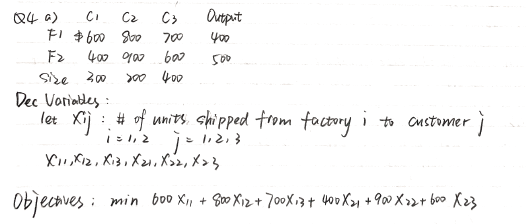


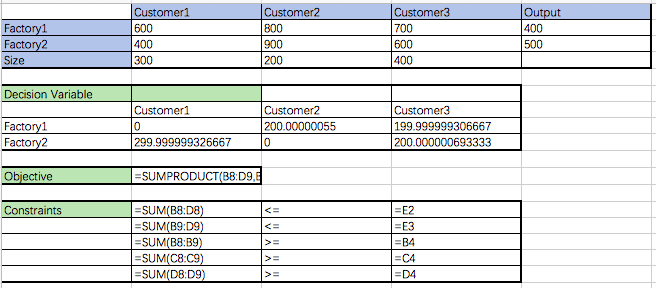
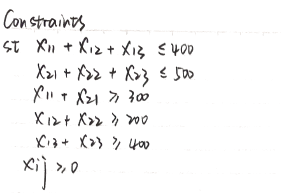
**Q3**



**Q4**







1. Optimal Solutions

