Simulation

Cost Data   **Demand Distribution**

Unit cost	7.5			Demand	Prob
Unit Price	10		0	100	0.3
Unit Refund	2.5		0.3	150	0.2
			0.5	200	0.3
Decision Variable			0.8	250	0.15
Order quantity	200		0.95	300	0.05

Simulation

Replication	RN	Demand	Revenue	Cost	Refund	Profit
1	0.4369	150	1500	1500	125	125
2	0.48134	150	1500	1500	125	125
3	0.10599	100	1000	1500	250	-250
4	0.86674	250	2000	1500	0	500
5	0.19465	100	1000	1500	250	-250
6	0.84241	250	2000	1500	0	500
7	0.84346	250	2000	1500	0	500
8	0.98473	300	2000	1500	0	500
9	0.7761	200	2000	1500	0	500
10	0.0687	100	1000	1500	250	-250
11	0.15978	100	1000	1500	250	-250
12	0.50114	200	2000	1500	0	500
13	0.04566	100	1000	1500	250	-250
14	0.21447	100	1000	1500	250	-250
15	0.86321	250	2000	1500	0	500
16	0.85344	250	2000	1500	0	500
17	0.98656	300	2000	1500	0	500
18	0.98805	300	2000	1500	0	500
19	0.71367	200	2000	1500	0	500
20	0.89714	250	2000	1500	0	500
21	0.32035	150	1500	1500	125	125
22	0.31813	150	1500	1500	125	125
23	0.09423	100	1000	1500	250	-250
24	0.41766	150	1500	1500	125	125
25	0.13331	100	1000	1500	250	-250
26	0.9255	250	2000	1500	0	500
27	0.22136	100	1000	1500	250	-250
28	0.59322	200	2000	1500	0	500
29	0.98126	300	2000	1500	0	500
30	0.60104	200	2000	1500	0	500
						212.5

0