#### MA374-LAB2 Nikhil Agarwal Roll:11012323

## 1. Observation:

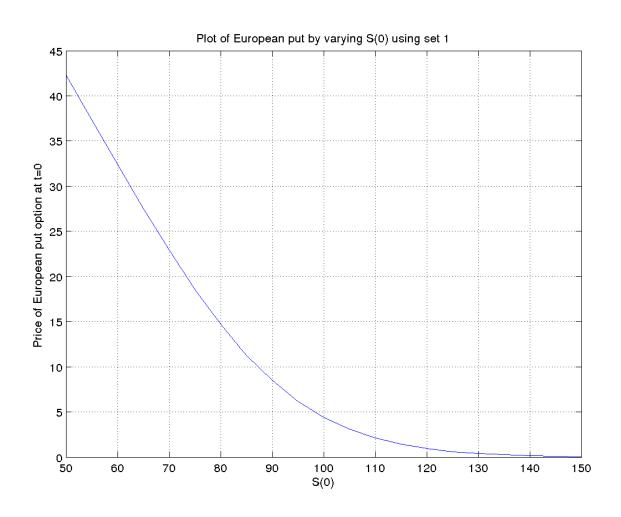
For set 1 The value of European call at t=0 is 12.08538001.

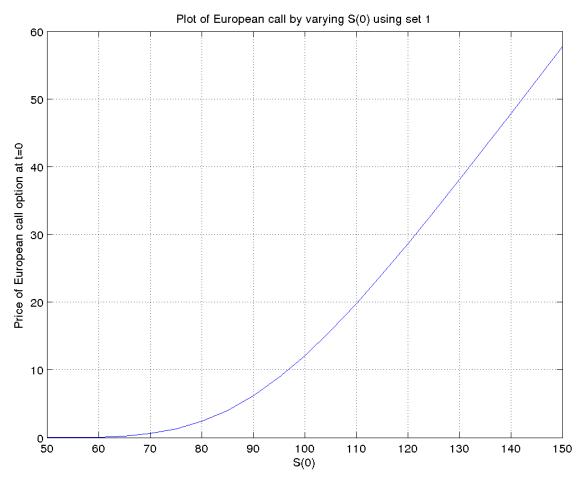
For set 1 The value of European put at t=0 is 4.39701465.

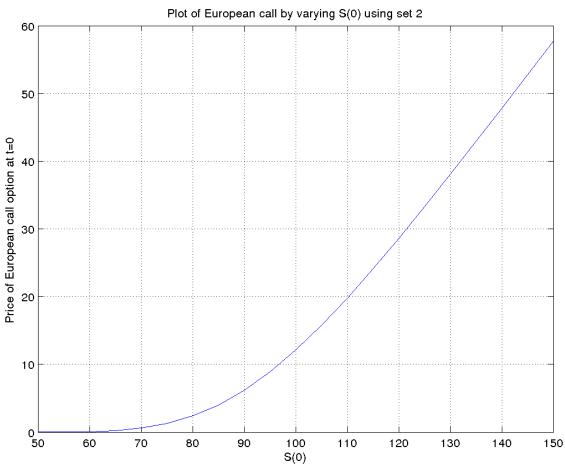
For set 2 The value of European call at t=0 is 12.12304707.

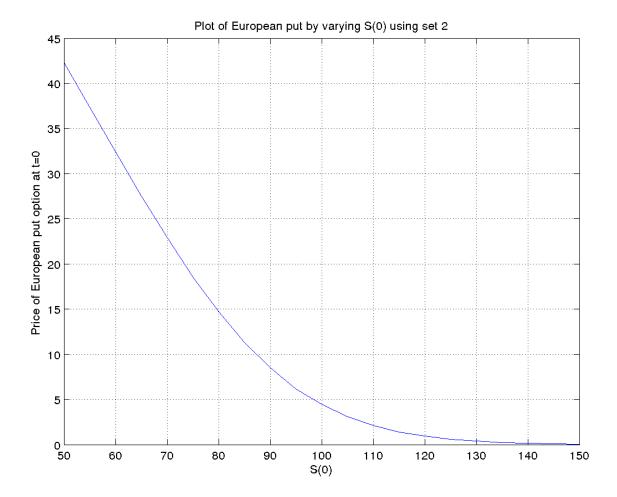
For set 2 The value of European put at t=0 is 4.43468171.

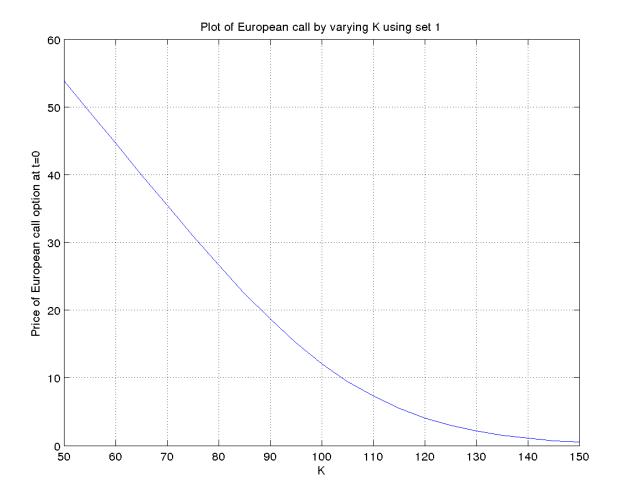
### Graphs:

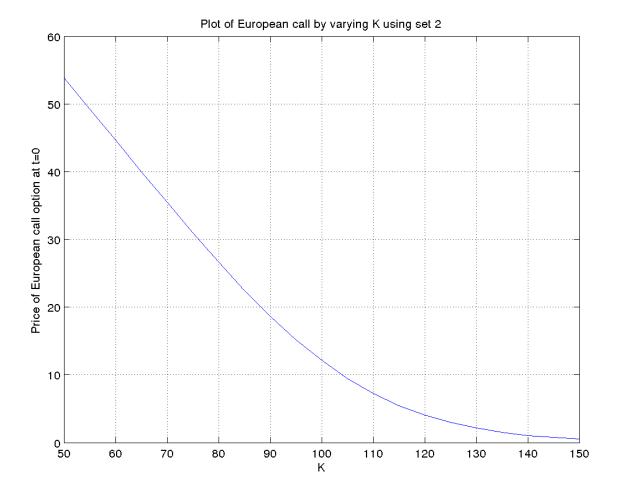


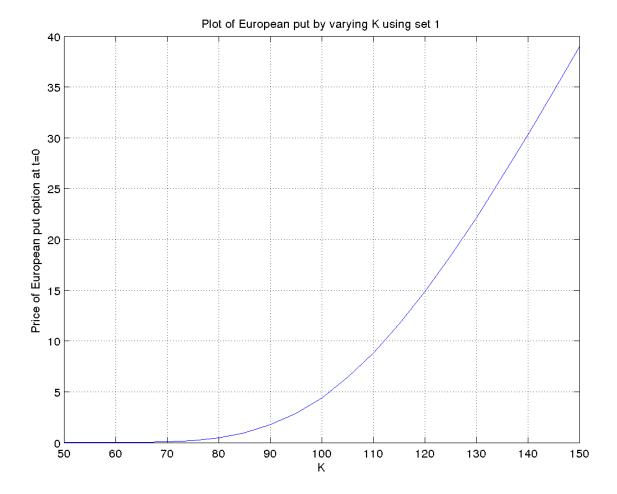


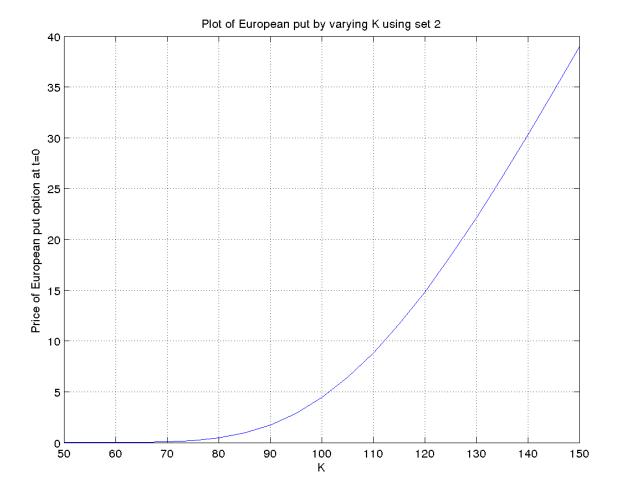


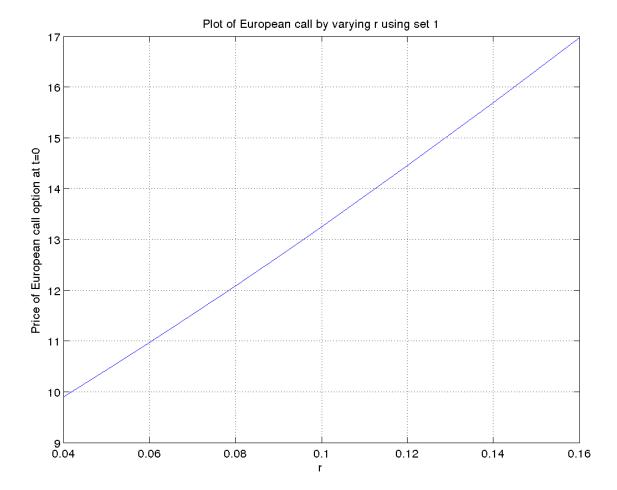


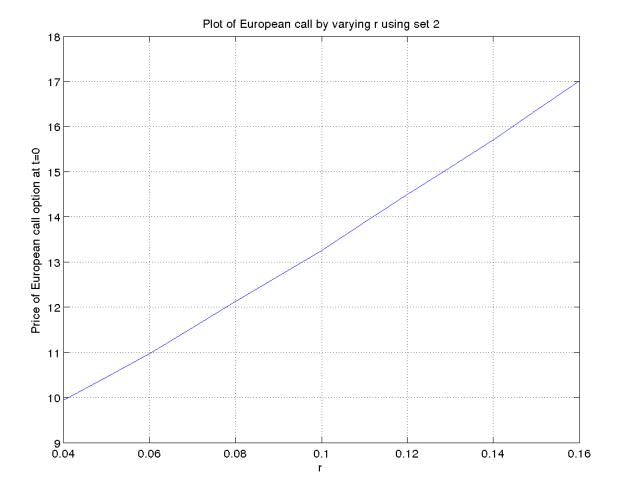


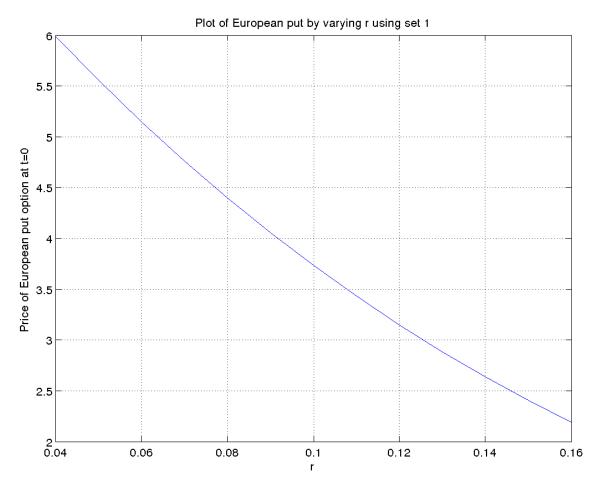


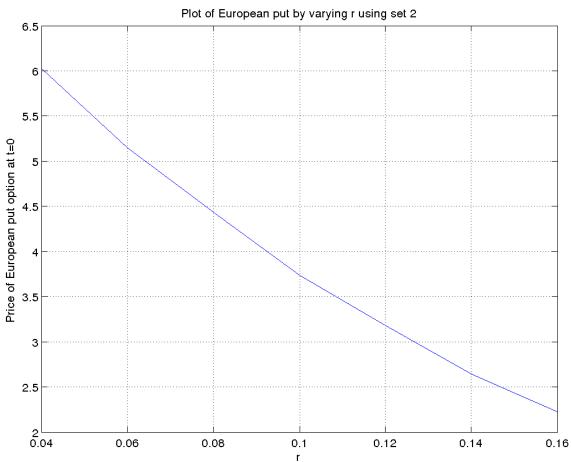


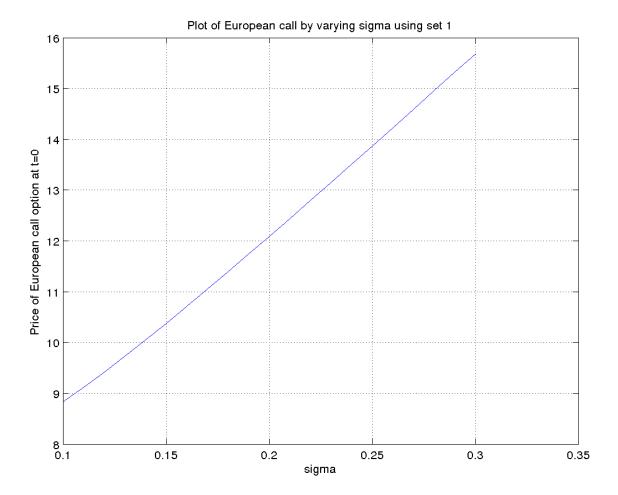


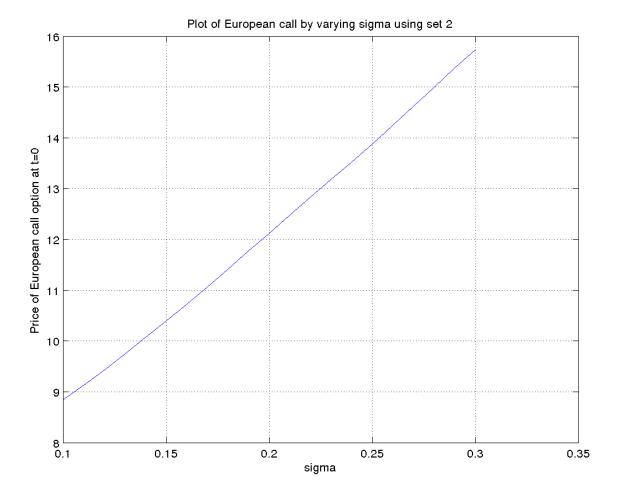


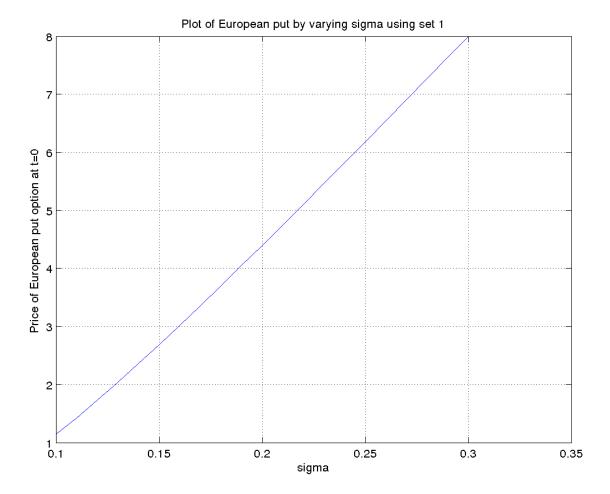


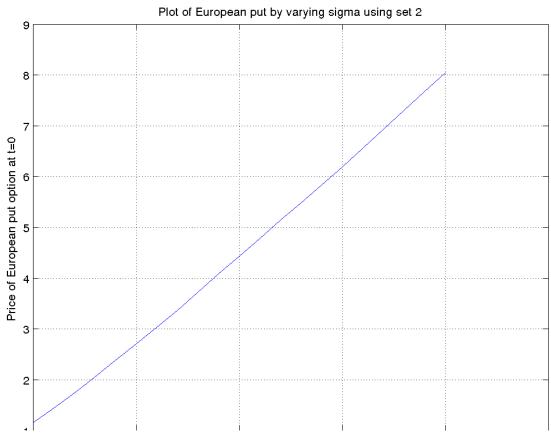


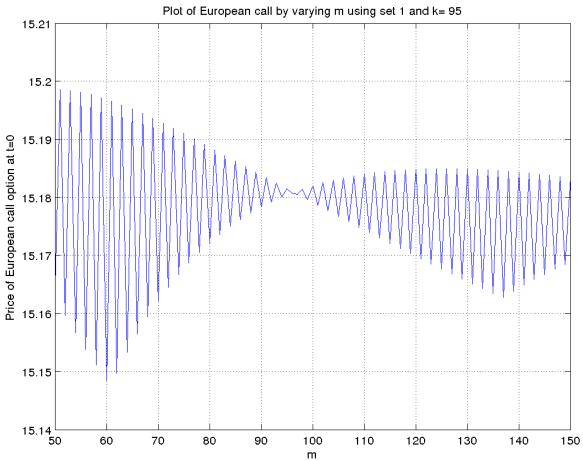


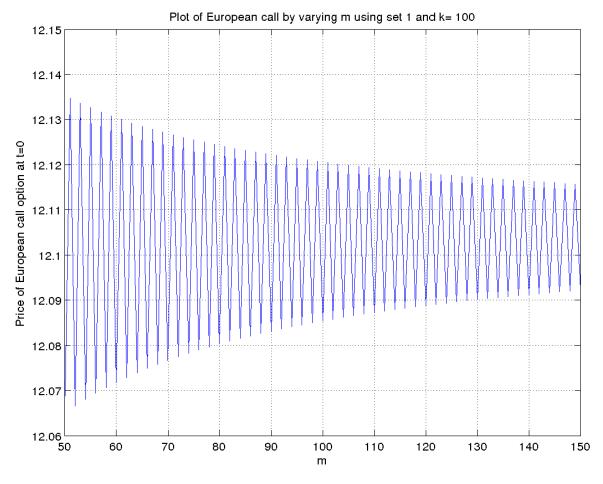


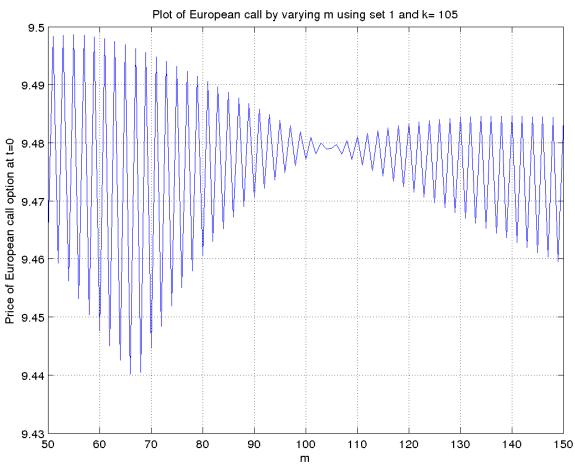


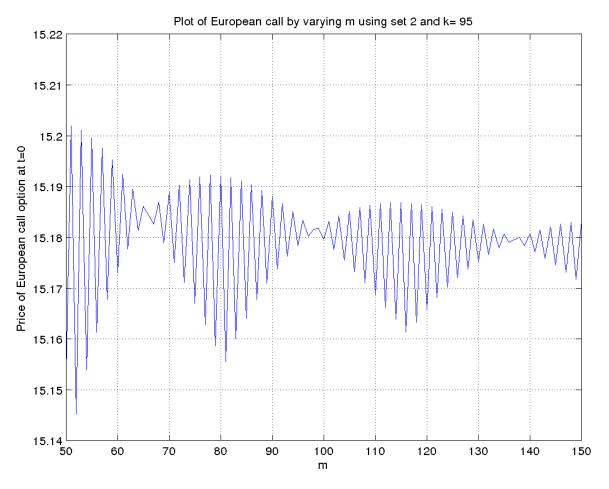


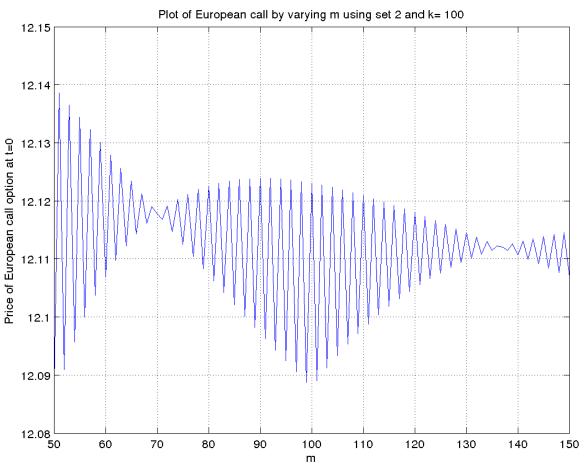


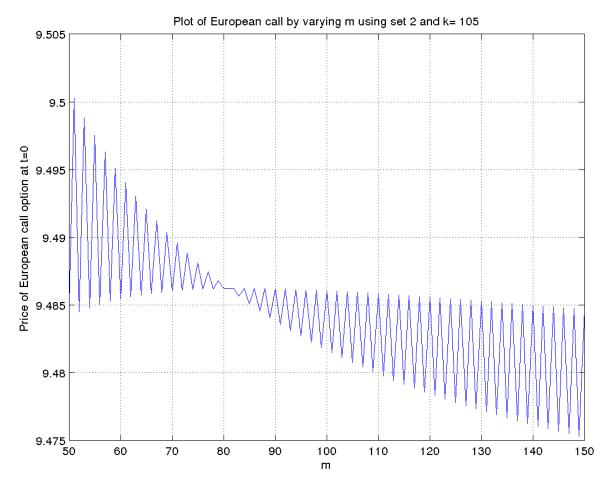


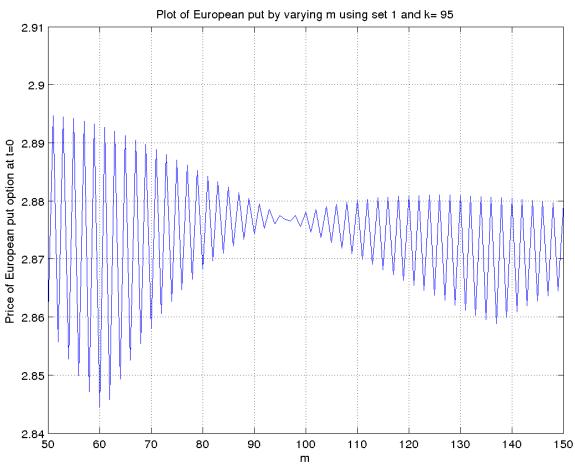


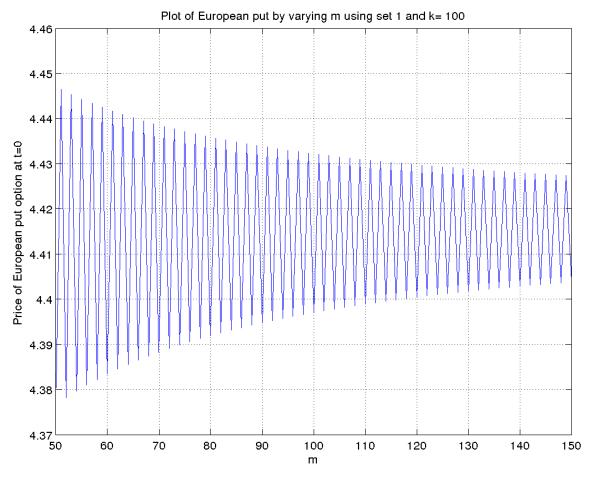


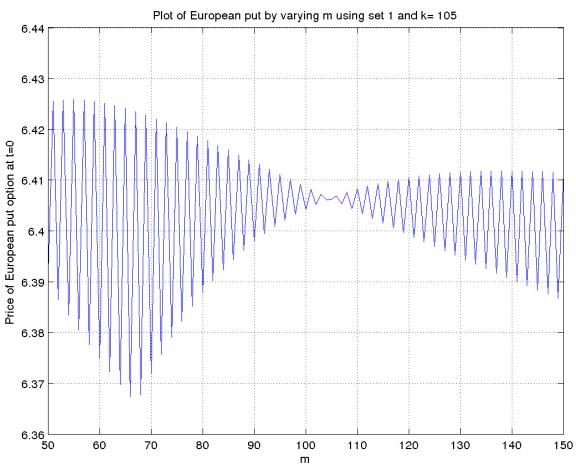


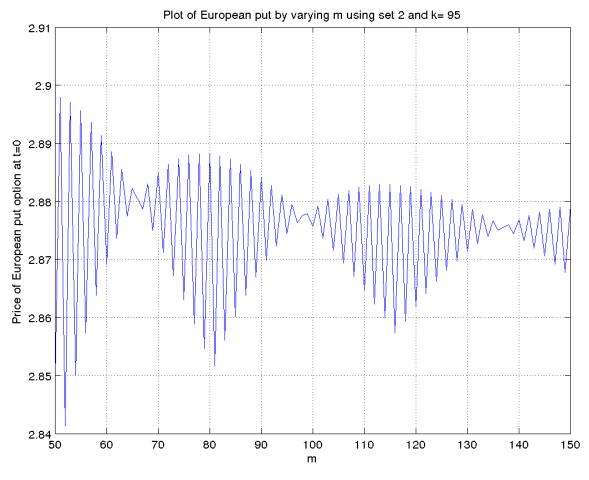


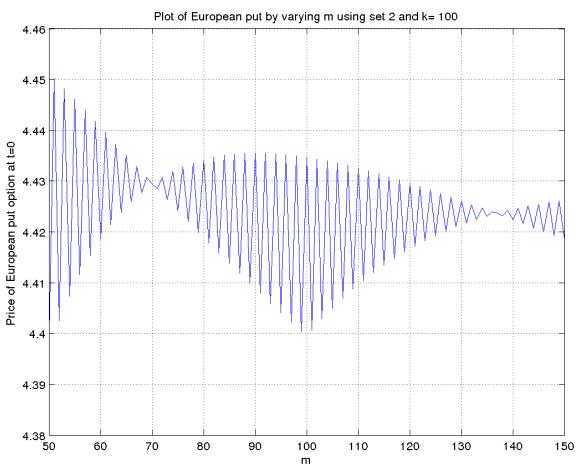


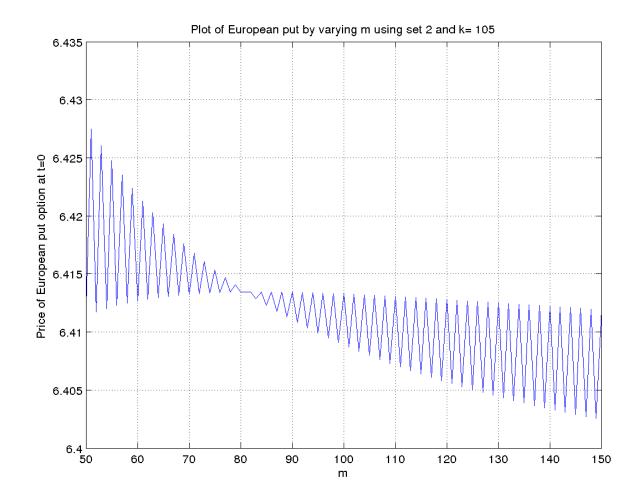












# 2: Observation:

For set 1 The value of Asian call option at t=0 taking m=10 is 6.47600305. For set 1 The value of Asian put option at t=0 taking m=10 is 2.67794559. For set 2 The value of Asian call option at t=0 taking m=10 is 6.49002938. For set 2 The value of Asian put option at t=0 taking m=10 is 2.69197192.

#### Graph:

