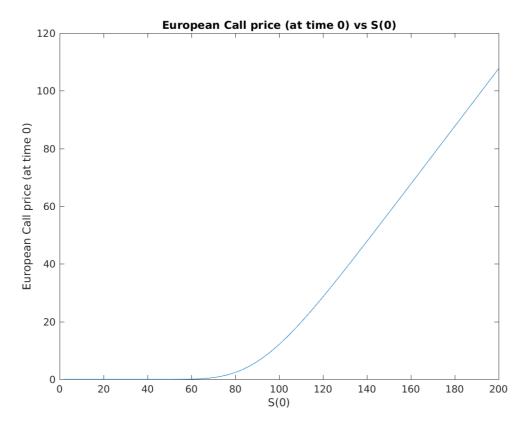
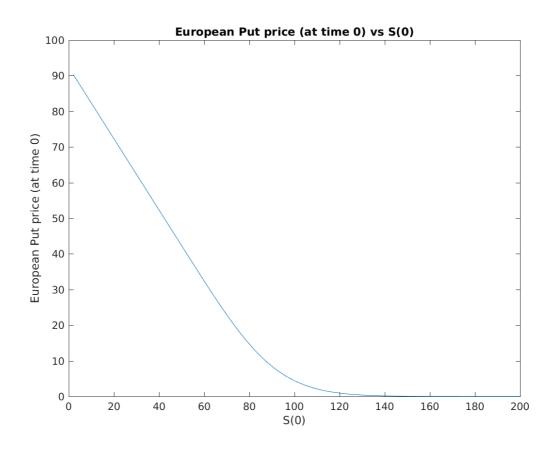
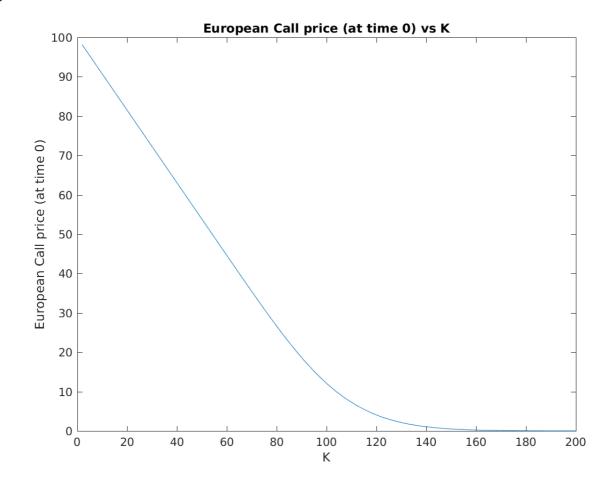
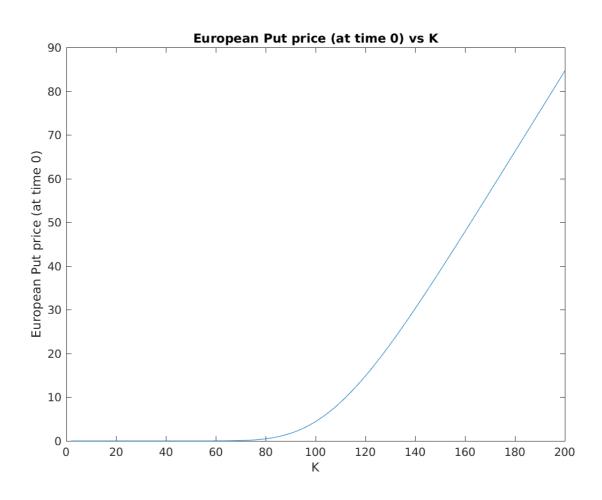
## MA 374: Financial Engineering Lab LAB 2 Report Abheek Ghosh - 140123047

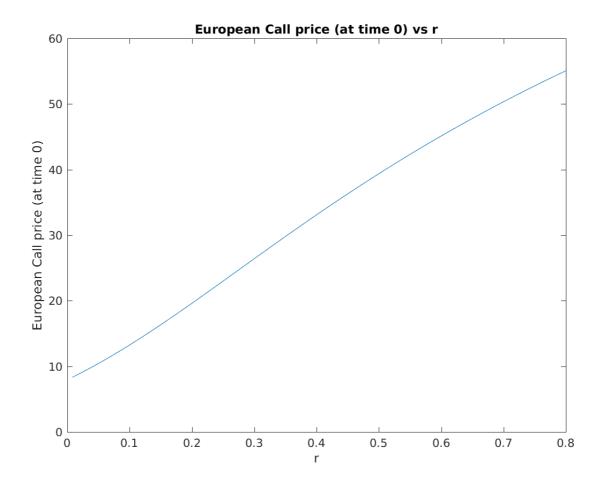
Question 1: European Call and Put Option Set 1 (a)

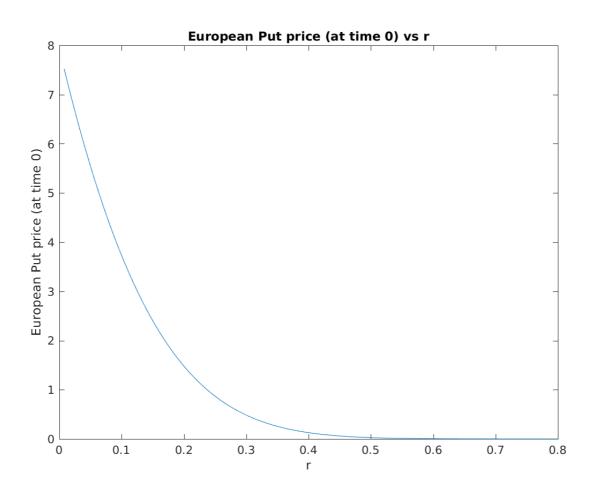


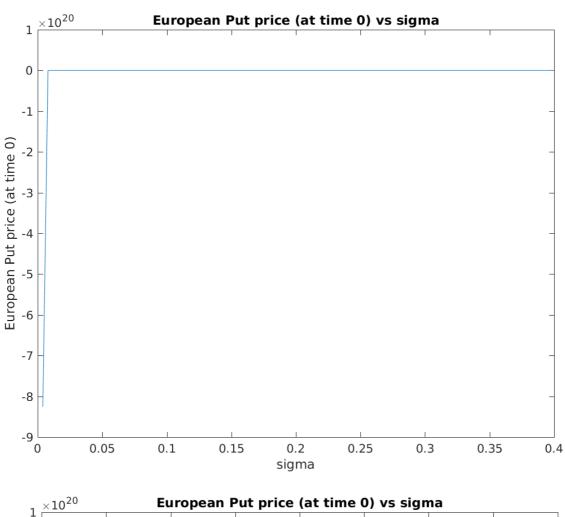


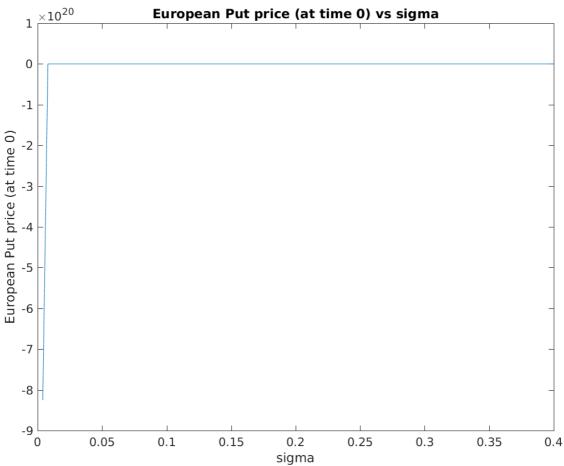


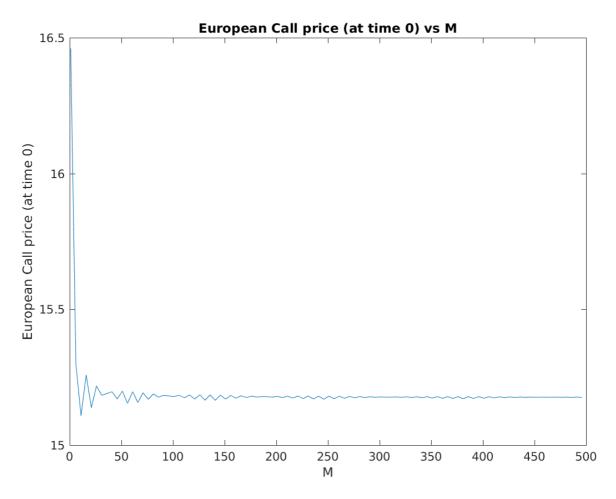


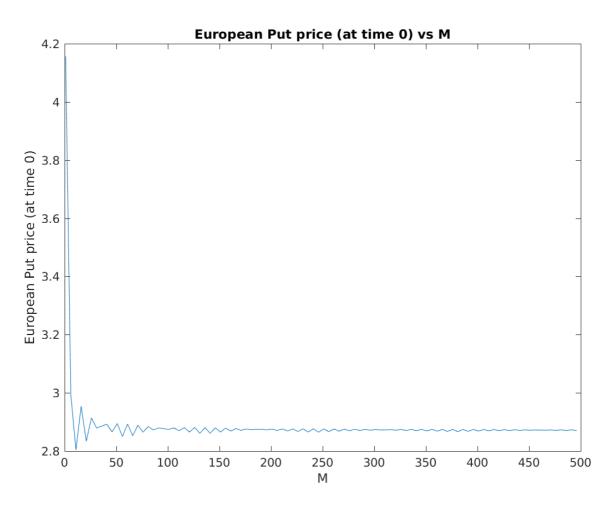


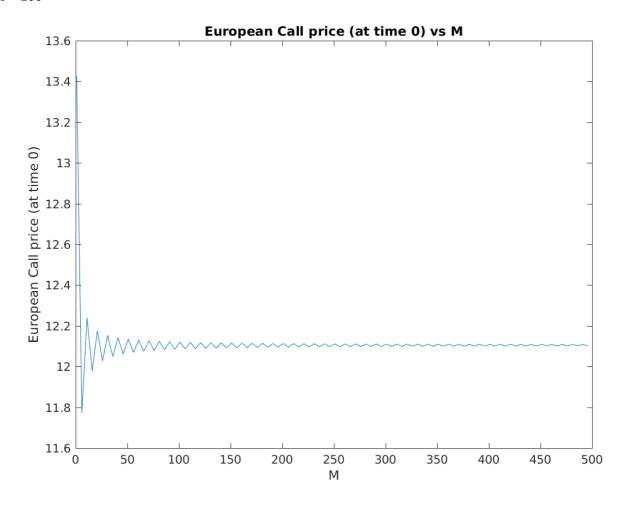


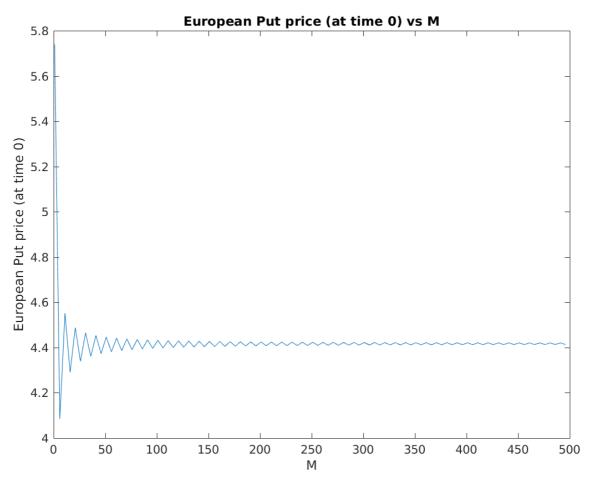


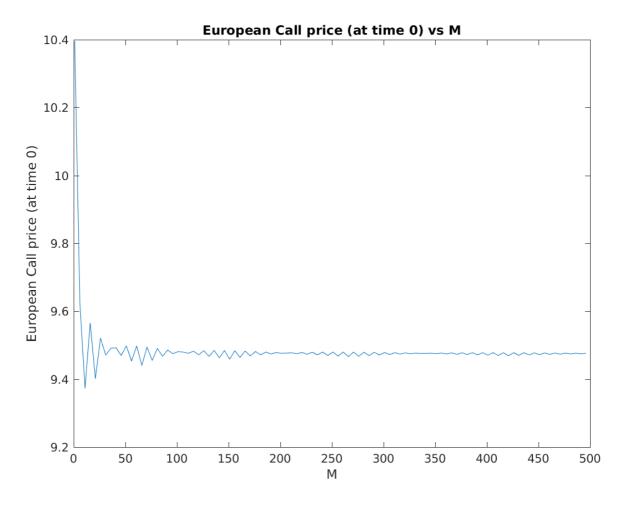


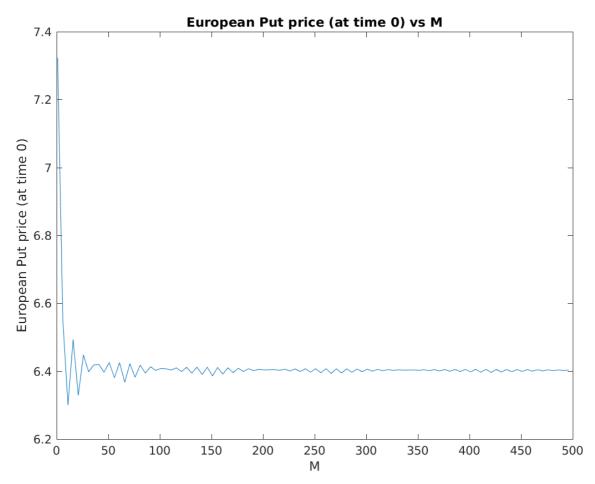


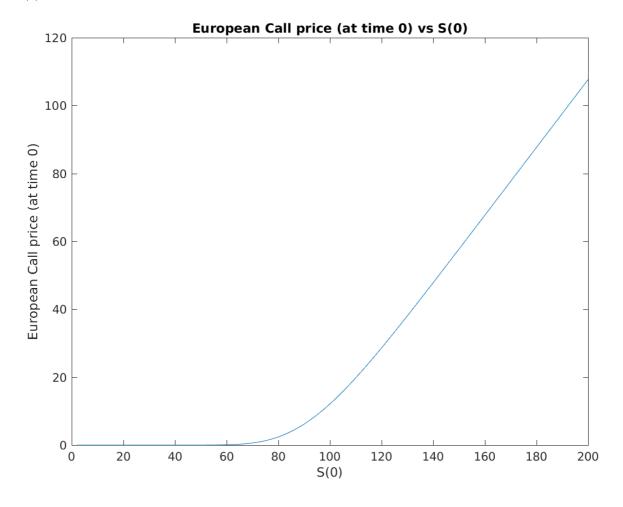


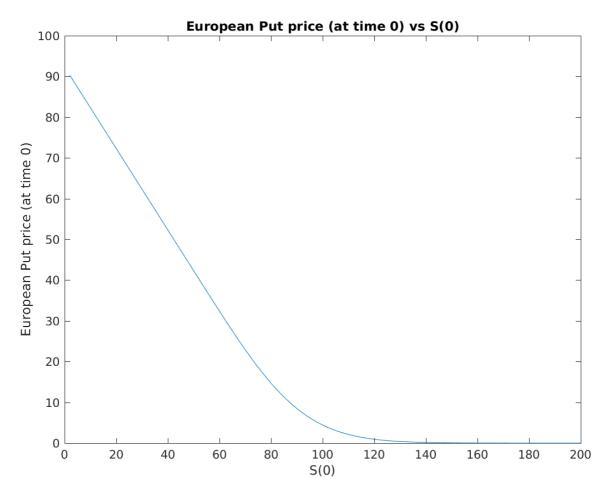


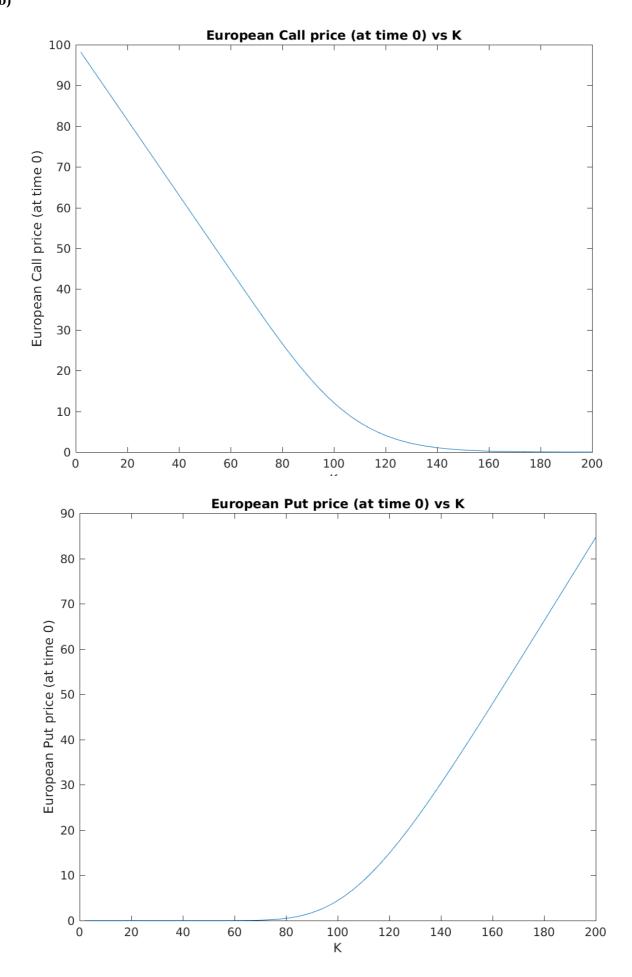












1

0 0

0.1

0.2

0.3

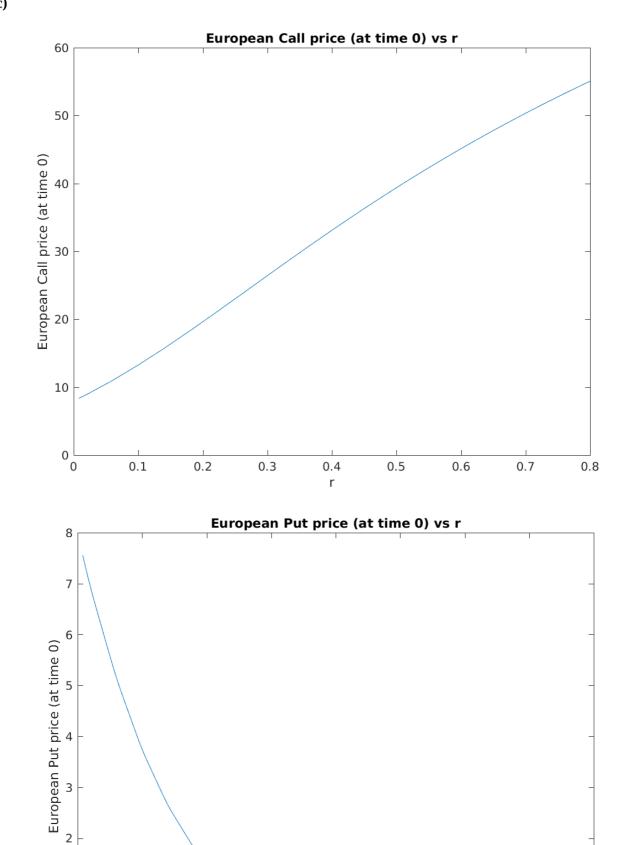
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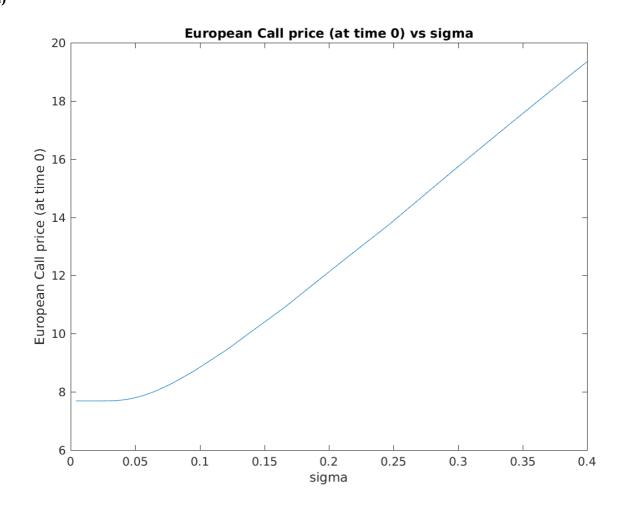
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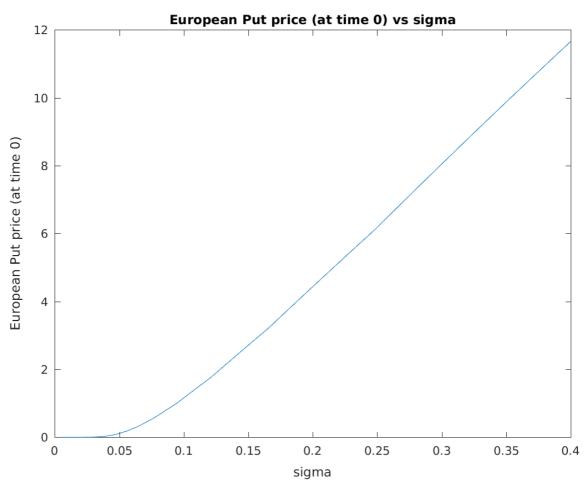
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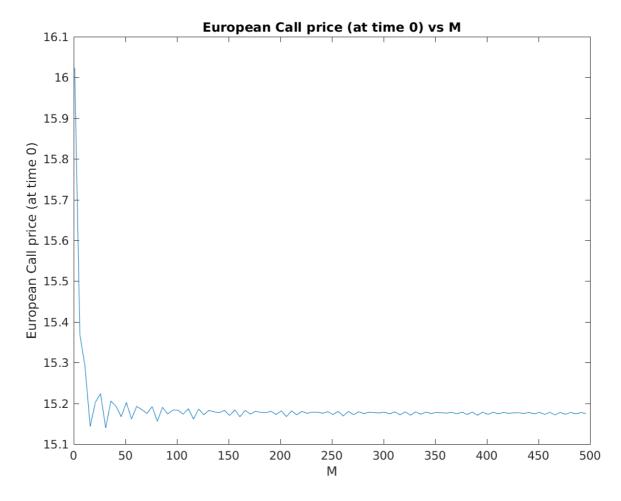
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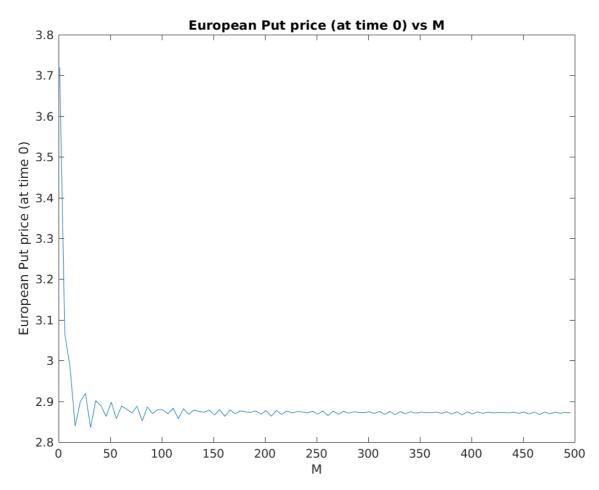
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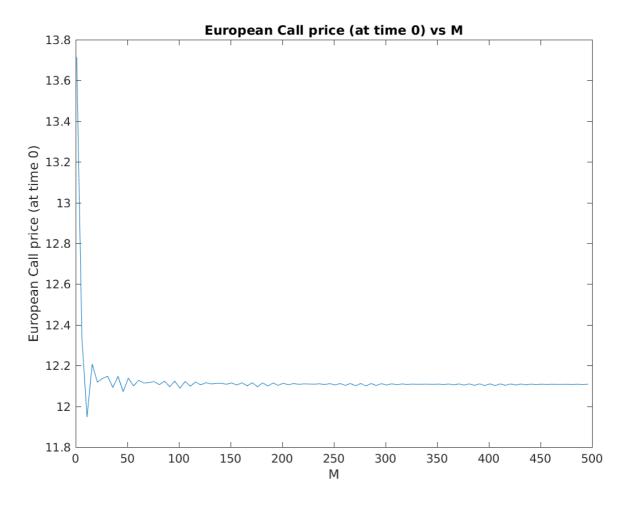


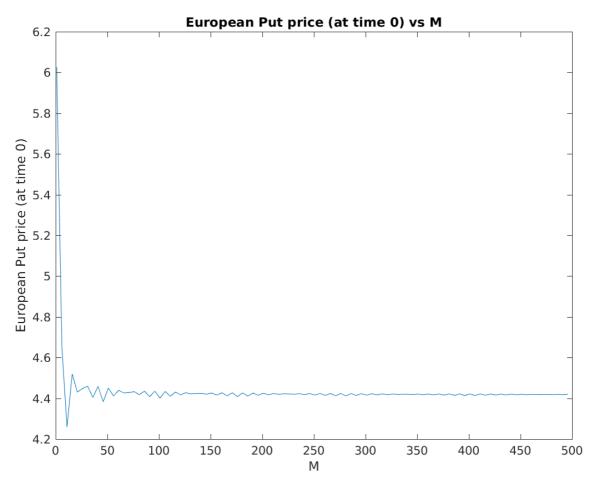


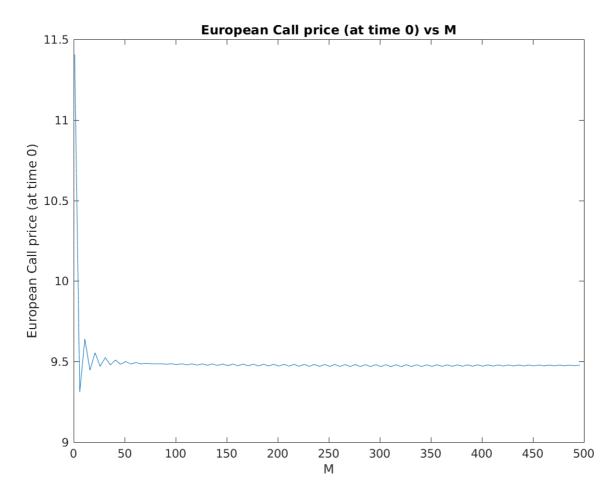


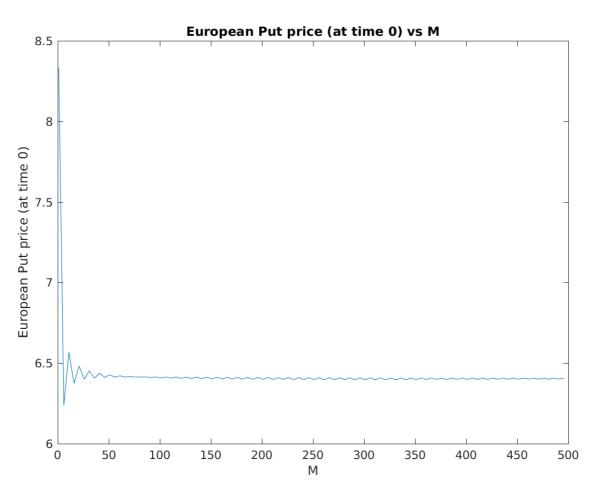












Question 2 Path dependent Asian Call and Put Options with discounted average valuations.  $V(T) = \max(0, (S(0)*\exp(rT) + S(1)*(\exp(r(T-1)) + ... + S(T))/\exp(rT) - K)$  Set 1 (a)

