**Problem Set 1**



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**Problem 1:**

**(a):**

First argument is right as we have done Karatsuba’s Algorithm in base 2 and base 16 (Hexadecimal)

**(b):**

**Problem 2:**

**(a):**

**Pseudo Code:**

friendSlower(Input)

1. A=input
2. firstIndex=1
3. secondIndex=0
4. con=1
5. lis =[ ]
6. row=1
7. col=2
8. for i in A:
9. col=row+1
10. for j in A[con:]:
11. If(i[1]>=j[0]:
12. Lis.append(tuple([1,0))
13. col=col+1
14. con=con+1
15. row=row+1
16. col=0
17. return lis

**Description:**