Command Window

```
>> main
Enter no. of cascaded networks : 2

Select transmission line model:
1-Short
2-Medium
3-Long
Enter your choice:1
Enter the Length in km:16
Enter the frequency:50
Enter Resistance per km:0.03
Enter inductance per km:0.7e-3
Enter capacitance per km:5e-6

A= 1
B= 0.48+3.5186i
C= 0
D= 1
```

```
A= 1
B= 0.48+3.5186i
C= 0
D= 1

Select transmission line model:
1-Short
2-Medium
3-Long
Enter your choice:1
Enter the Length in km:40
Enter the frequency:50
Enter Resistance per km:0.15
Enter inductance per km:1.3e-3
Enter capacitance per km:15e-7

A= 1
B= 6+16.3363i
C= 0
D= 1

Cascaded A= 1
Cascaded B= 6.48+19.8549i
Cascaded C= 0
```

```
Cascaded A= 1
Cascaded B= 6.48+19.8549i
Cascaded C= 0
Cascaded D= 1

Enter the received power in watts: 5e8
Enter the received voltage: 220e3
Enter the power factor angle in degrees: 36
Enter the type of power factor:
Type 1 if its unity
Type 2 if its lagging
Type 3 if its leading
2
```

```
Enter the received power in watts: 5e8
Enter the received voltage: 220e3
Enter the power factor angle in degrees: 36
Enter the type of power factor:
Type 1 if its unity
Type 2 if its lagging
Type 3 if its leading
2

Efficiency% =
   90.7212

Voltage Regulation% =
   22.5992

fx >>
```