

Output :-

Electricity Simulation on System

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(base) aryankushwaha@Aryan-Kushwaha Simulation % cd "/Users/Don't Open/5th Sem/Lab/Aryan_28900/Simulation/Lab3/"
erGenerator && "/Users/Don't Open/5th Sem/Lab/Aryan_28900/Simulation/Lab3/"LAB3RandomNumberGenerator

1.Mixed LCM
2.Multiplicative LCM
3.Additive LCM
4.Arithmetic LCM:
5.Exit

Select an option:1
Enter the number of random numbers to generate , seed x0 , a ,c,m:6 3 9 4 35
Random numbers are:
0.885714      0.0857143      0.885714      0.0857143      0.885714      0.0857143

Select an option:2
Enter the number of random numbers to generate , seed x0 , a ,m:5 65 2 23
Random numbers are:
0.652174      0.304348      0.608696      0.217391      0.434783

Select an option:3
Enter the number of random numbers to generate , seed x0 ,c,m:6 5 18 32
Random numbers are:
0.71875 0.28125 0.84375 0.40625 0.96875 0.53125

Select an option:4
Enter the number of random numbers to generate , x0,x1,m:5 12 13 43
Random numbers are:
0.581395      0.883721      0.465116      0.348837      0.813953

Select an option:5
(base) aryankushwaha@Aryan-Kushwaha Lab3 %
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Graph of Mathematical Dynamic Model (Krichoff's Law)

kirch22211

Total	Computer	Lighting	Refrigerator
4.433333	1.866667	1.400000	1.166667
4.449166	1.873333	1.405000	1.170833
4.465000	1.880000	1.410000	1.175000
4.480834	1.886667	1.415000	1.179167
4.496666	1.893333	1.420000	1.183333

