

```
>> A =[5 -3 1;2 4 -1;2 -3 8];  
>> b=[5 6 4]';  
>> x=[1 1 1]';  
>> m=20;  
>> tol=0.0001;  
>> GaussSeidelMet(A,b,x,m,tol,inf)
```

```
ans =
```

1.0000	1.4000	1.0500	0.5438	0.4562
2.0000	1.5212	0.8753	0.4479	0.1747
3.0000	1.4356	0.8942	0.4764	0.0856
4.0000	1.4412	0.8985	0.4766	0.0056
5.0000	1.4438	0.8973	0.4755	0.0025
6.0000	1.4433	0.8973	0.4757	0.0005

```
>>
```