Frequency Count Method

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5 | 10 | 15 | 20 | 25 |

Sum (a,n)

{

S=0;------------------------------------🡪 1 a=n , i= 1 ,s=1 , n=1

for(i=0;i<n;i++) ( 1, n+1 , n) ---------------🡪 n+1

{

S=s+a[i];----------------------------------🡪 n

}

return s; ----------------------------------🡪 1

}

Time function = f(n)=2n+3 =O(n)

Space function = S(n)= n + 3

Three 2d metrics 3x3 🡪 a,b, c

For(i=0;i<n;i++)-------------🡪 n+1

{ for(j=0;j<n;j++)-------------🡪 n.(n+1)=n2+n

{

c[i,j] =a[i,j] +b[i,j];----------🡪 n.n=n2

}

}

Time function = f(n)=2n2+2n+1

Space function = S(n)=3n+3