

```

// maximum_sum_sub_array_1_D

int main()
{
    while(cin>>n)
    {
        F(i,0,n) cin>>ar[i];
        LLI max_so_far,max_ending_here;

        max_so_far=max_ending_here=0;

        for( int i=0; i<n; i++ )
        {
            max_ending_here+=ar[i];

            if( max_ending_here > max_so_far )
                max_so_far=max_ending_here;

            if( max_ending_here < 0 )
                max_ending_here=0;
        }
        cout<<max_so_far<<endl;
    }
    return 0;
}

```