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#include <stdio.h>

int isPossible(int a[], int n, int m, long long x)
{
    long long expectedPlayers = x * m, s = 0, i;
    for(i=0; i<n; ++i)
    {
        if(a[i] <= x)
            s += a[i];
        else
            s += x;
    }

    return ((s >= expectedPlayers) ? 1 : 0);
}

int main()
{
    int a[100], i, n, m;

    long long totalPlayer = 0;
    scanf("%d %d", &n, &m);

    for(i=0; i<n; ++i)
    {
        scanf("%d", &a[i]);
        totalPlayer += a[i];
    }

    long long lo = 0, hi = totalPlayer/m+1, ans = 0;

    while(lo<=hi)
    {
        long long mid = lo + (hi-lo)/2;
        if(isPossible(a, n, m, mid))
        {
            ans = mid;
            lo = mid + 1;
        }
        else
            hi = mid-1;
    }

    printf("%lld\n", ans);

    return 0;
}
```