#include<iostream>

#include<cstdio>

#include<algorithm>

#define ll long long

using namespace std;

ll s,book[1<<20+1],maxn=-1;

int main(){

ll m,n;

scanf("%lld%lld",&n,&m);

for(ll i=0;i<n;i++){

scanf("%lld",&s);

book[s]++;

maxn=max(s,maxn);

}

ll ans=0;

for(ll i=maxn;i>=0;i--){

if(book[i]){

if(book[i]>0)

ans+=book[i];

for(ll j=m-1;j>=0;j--){

if(i&(1<<j)){

book[i^(1<<j)]=-1;

}

}

}

}

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

return 0;

}