#include<bits/stdc++.h>

using namespace std;

#define ll long long int

ll a[1000006]={0};

ll lastocc[1000006]={0};

ll ans[1000006]={0};

int main()

{

ll n;

cin>>n;

//input the array

for(ll i=1;i<=n;i++)

{

cin>>a[i];

}

memset(lastocc,0,sizeof(lastocc));

memset(ans,0,sizeof(ans));

ans[0]=0;

double sum=0.0;

for(ll i=1;i<=n;i++)

{

ans[i]=ans[i-1]+(i-lastocc[a[i]]);

lastocc[a[i]]=i;

sum=sum+ans[i];

}

double finalans=0.0;

finalans= (2\*(sum-n)+n)/(n\*n\*1.0);

cout<<fixed<<setprecision(6)<<finalans<<"\n";

}