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PROG: patheads

LANG: C++

ID: hayk.sa1

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#include <stdio.h>

#define MAX 1000000

int a[100010];

int d[MAX+10];

int t[MAX+10];

int main()

{

freopen("patheads.in", "r", stdin);

freopen("patheads.out", "w", stdout);

int n, i, j;

scanf("%d", &n);

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

{

scanf("%d", a+i);

t[a[i]]++;

}

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

if (t[a[i]] != -1)

{

for (j = a[i]; j <= MAX; j+=a[i])

d[j] += t[a[i]];

t[a[i]] = -1;

}

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

printf("%d\n", d[a[i]]-1);

return 0;

}