#include<stdio.h>

#include<stdlib.h>

int main(){

int n;

printf("Enter the number of page table entries: ");

scanf("%d",&n);

int page\_table[n];

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

printf("Enter frame\_no for page %d: ",i);

scanf("%d",&page\_table[i]);

}

int page\_size;

printf("Enter the page size: ");

scanf("%d",&page\_size);

int LA;

int choice = 1;

while(choice == 1){

printf("Enter the logical address: ");

scanf("%d",&LA);

int PA;

int PTE;

PTE = LA/page\_size;

if(PTE>n-1){

printf("Page fault\n");

}else{

PA = page\_table[PTE]\*page\_size+LA%page\_size;

}

printf("Physical addresss corresponding tob given logical address is: %d\n",PA);

printf("Enter 1 to check more: ");

scanf("%d",&choice);

}

return 0;

}