//Bai nay khong giong voi vi du trong de

//Vi du so 2 thi dang nhi phan cua no la 2 0 0 0, chu khong phai la 0 0 0 2

#include <stdio.h>

#include <stdint.h>

#pragma pack(1)

void convertTextToBinary(const char \* filetext, const char \* filebinary) {

FILE \* ft = fopen(filetext,"r");

FILE \* fb = fopen(filebinary, "wb");

int m,n;

fscanf(ft, "%d%d", &m, &n);

//Mac du n, m 4 byte nhung minh chi ghi 2 byte dau

fwrite(&m,2,1,fb);

fwrite(&n,2,1,fb);

int32\_t \* arr = new int32\_t[m\*n];

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

long a;

fscanf(ft,"%ld",&a);

arr[i] = a;

}

fclose(ft);

fwrite(arr, 4, m\*n, fb);

fclose(fb);

delete [] arr;

}

void convertBinaryToText(const char \* filebinary, const char \* filetext) {

FILE \* fb = fopen(filebinary,"rb");

FILE \* ft = fopen(filetext,"w");

int16\_t m, n;

fread(&m,2,1,fb);

fread(&n,2,1,fb);

int32\_t \* arr = new int32\_t[m\*n];

fread(arr,4,m\*n,fb);

fprintf(ft,"%d %d\n", (int)m, (int)n);

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

for (int j = 0; j < n; j++)

fprintf(ft, "%ld ",(long)arr[i\*n+j]);

fprintf(ft, "\n");

}

delete [] arr;

}

int main() {

convertTextToBinary("text.txt","binary.txt");

convertBinaryToText("binary.txt","text2.txt");

}