// Merging K sorted array of size N, K << N

#include <stdio.h>

int main ()

{

int N = 100;

int K = 5;

int i = 0;

int \*A[5];

int j[5];

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

{

A[i] = malloc (sizeof (int) \* N);

GenRandArr (A[i], N);

QuickSort (A[i], 0, N - 1);

}

int\* HeapArr = malloc (sizeof (int) \* K);

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

{

HeapArr[i] = A[i][0];

}

HeapSize = K;

MinBuildHeap (HeapArr);

}