#include <stdio.h>

void angryProfessor(int n, int k, int arrivalTimes[]) {

int onTimeCount = 0;

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

if (arrivalTimes[i] <= 0) {

onTimeCount++;

}

}

if (onTimeCount >= k) {

printf("NO\n");

} else {

printf("YES\n");

}

}

int main() {

int t;

scanf("%d", &t);

while (t--) {

int n, k;

scanf("%d %d", &n, &k);

int arrivalTimes[n];

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

scanf("%d", &arrivalTimes[i]);

}

angryProfessor(n, k, arrivalTimes);

}

return 0;

}