

①

```
#include <assert.h>
#include <ctype.h>
#include <limits.h>
#include <math.h>
#include <stdbool.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
```

```
char* readline();
char* trim(char*);
char* rtrim(char*);
char** split_string(char*);
```

```
int parse - int(char*);
int minimumaverage (int customer_rows,
int customer_columns, int** customers);
```

```
int main() {
    FILE* fptr = fopen("Output-PATH", "w");
    int n = parse - int(trim(trim(readline())));
    int** customers = malloc(n * size of (int*));
```

```
for (int i = 0; i < n; i++) {
    *(customers + i) = malloc(size of (int));
    char** customer_item_fptr = split_string(
        readline());
```



```

for(int j=0; j<2; j++){
    int customer_item = parse_int(*(customers-
    (customer+i)+j) - temp+j));
}
}

```

```

int result = minimumAverage(n, 2, customer);
fprintf(fpb, "%d\n", result);
fclose(fpb);
return 0;
}

```

```

char* readline() {
    size_t alloc_length = 1024;
    size_t data_length = 0;

```

```

char* data = malloc(alloc_length);
while (true) {
    char* cursor = data + data_length;
    char* line = fgets(cursor, alloc_length - data
    - length, stdin);

```

```

    if (!line) {
        break;
    }

```

```

    data_length += strlen(cursor);
    if (data_length < alloc_length - 1 || data[data
    length-1] != '\n') {
        break;
    }

```

```

    alloc_length *= 2;
    data = realloc(data, alloc_length);

```



```
if (!data) {  
    data = '\0';  
    break  
}
```

```
if (data[data_length-1] == '\n') {  
    data[data_length-1] = '\0';  
}
```

```
data = realloc(data, data_length);
```

```
if (!data) {  
    data = '\0';  
}
```

```
else {  
    data = realloc(data, data_length+1);  
}
```

```
if (!data) {  
    data = '\0';  
}
```

```
else {  
    data[data_length] = '\0';  
}
```

```
return data;
```

```
char* Itim(char* str) {
```

```
    if (!str) {  
        return '\0';  
    }
```

```
    if (!*str) {  
        return str;  
    }
```

```
    while (*str != '\0' && insertion(*str)) {
```



```

return str;
}
char * trim(char * str) {
    if (!str)
        return '\0';
}
if (!*str)
    return str;
}
char * end = str + strlen(str) - 1;
while (end >= str && ispace(*end))
    end--;
* (end + 1) = '\0';
return str;
}
char ** split_string(char * str) {
    char ** splits = NULL;
    char * token = strtok(str, " ");
    int spaces = 0;
    while (token) {
        splits = realloc(splits, sizeof(char *) * ++spaces);
        if (!splits)
            return splits;
        splits[spaces - 1] = token;
        token = strtok(NULL, " ");
    }
    return splits;
}
}

```



```
int parse - int(char * str) {  
    char * endptr;  
    int value = strtol(str, &endptr, 10);
```

```
    if (endptr == str || *endptr != '\0') {  
        exit(EXIT_FAILURE);
```

```
    }
```

```
    return value;
```

```
    }
```