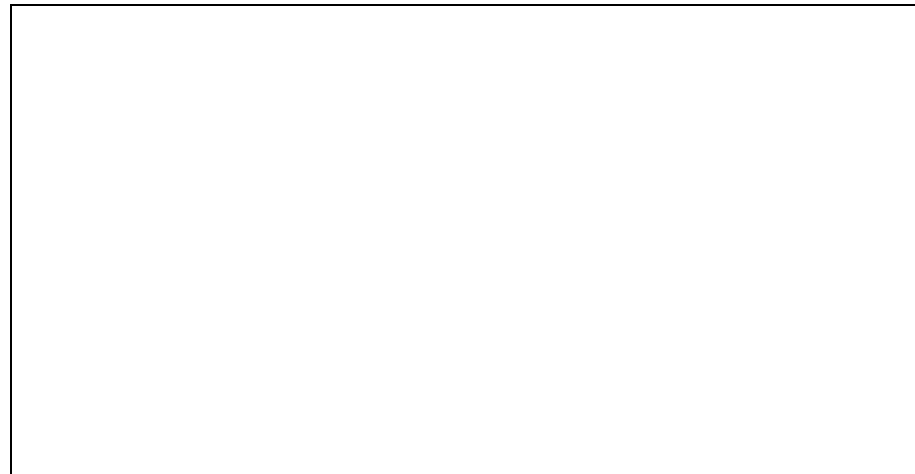Give the output of the C program shown below when run with:
./a.out 3 14 2

```c
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[]) {
        int x = atoi(argv[1]);
        int y = atoi(argv[2]);
        int z = atoi(argv[3]);

        char str[] = "CrimsonTideAlabama";
        for (int a=x; a<y; a=a+z)
                printf("%c", str[a]);
        printf("\n");

        for (int b=y; b>=z; b=b-x)
                printf("%c", str[b]);
        printf("\n");
        return 0;
}
```

```
moTdAa
bAioi
```

Using the data files shown below, give the output of the C program:
The file **data1** contains: 10 20 0 5
The file **data2** contains: 5 10 15 20

```c
#include <stdio.h>
int main(void) {
        FILE *fp1 = fopen("data1", "r");
        FILE *fp2 = fopen("data2", "r");
        int a, b, c=0, d=0;

        for (int z=0; z<4; z++) {
                fscanf(fp1, "%d", &a);
                fscanf(fp2, "%d", &b);
                if (a < b)
                        { c = c + a; d = d + b; }
                else
                        { c = c + b; d = d + a; }
        }
        printf("%d and %d\n", c, d);
        return 0;
}
```

```
20 and 65
```

Give the output of the C program shown below when run with:
./a.out 2 14 3

```c
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[]) {
        int x = atoi(argv[1]);
        int y = atoi(argv[2]);
        int z = atoi(argv[3]);

        char str[] = "CrimsonTideAlabama";
        for (int a=x; a<y; a=a+z)
                printf("%c", str[a]);
        printf("\n");

        for (int b=y; b>=z; b=b-x)
                printf("%c", str[b]);
        printf("\n");
        return 0;
}
```

```
ioiA
bleins
```

Using the data files shown below, give the output of the C program:
The file **data1** contains: 20 10 5 1
The file **data2** contains: 10 20 30 40

```c
#include <stdio.h>
int main(void) {
        FILE *fp1 = fopen("data1", "r");
        FILE *fp2 = fopen("data2", "r");
        int a, b, c=0, d=0;

        for (int z=0; z<4; z++) {
                fscanf(fp1, "%d", &a);
                fscanf(fp2, "%d", &b);
                if (a < b)
                        { c = c + a; d = d + b; }
                else
                        { c = c + b; d = d + a; }
        }
        printf("%d and %d\n", c, d);
        return 0;
}
```

```
26 and 110
```