```c
/*##############################################################################*/
/*HW03_part4.c                                                                  */
/*_____                                               */
/*Written by Mustafa Akilli on March 8, 2015                                    */
/*                                                                              */
/*Description                                                                   */
/*_____                                                                   */
/*                                                  */                          
/*Inputs:                                                                       */
/*   -First Height                                                              */
/*   -Feet Height                                                               */
/*   -The Peak Point                                                            */
/*   -The Path Point                                                            */
/*Outputs:                                                                      */
/*   -Diagram                                                                   */
/*   -Total Number of The Character Used                                        */
/*##############################################################################*/
/*                                                                              */
/*----------------------------------------------------------------------------*/
/*                          Includes                                      */
#include <stdio.h>
/*----------------------------------------------------------------------------*/

int draw_hor_diag_of_bb(int first_height,int feet_height,char the_peak_point
,char the_path_point);


int
main(void){

    int diagram;
    diagram = draw_hor_diag_of_bb(4,3,'o','*');
    printf("\nl");

}

int draw_hor_diag_of_bb(int first_height,int feet_height,char the_peak_point
,char the_path_point){

    int control_variable=1;
    int control_variable_2=1;
    int fixed_first_height ,fixed_feet_height,temp_fixed_feet_height;
    int space_control=0;
    int temp_inside,inside=1,inside2=1,outside,temp_outside;
    int temp_feet_height,temp2_feet_height;
    int temp3_feet_height;
    int next_peak=2*first_height-2;
    int temp_next_peak;
    int counter_next_peak=1;
    int control_next_height=1,control_inside2=1;

    fixed_feet_height = feet_height;
    fixed_first_height = first_height;
    temp3_feet_height = fixed_feet_height+fixed_feet_height;

    printf("^\n");
    printf("l");
    outside = first_height;
    while(outside>=1){

        printf(" ");
        --outside;
    }

    printf("%c",the_peak_point);

    temp2_feet_height = first_height;
    outside = --first_height;
    first_height = fixed_first_height;


    while(temp2_feet_height>=1){
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temp_feet_height = --feet_height;
feet_height = fixed_feet_height;


while(temp_feet_height>=0){

    printf("\nl");



        temp_outside=outside;
        while(temp_outside>=1){

            printf(" ");
            --temp_outside;
        }

        printf("%c",the_path_point);
        temp_inside=inside;
        while(temp_inside>=1){

            printf(" ");
            --temp_inside;
        }

        printf("%c",the_path_point);


        if(control_next_height>fixed_feet_height){



        temp_outside=outside*2;
        while(temp_outside>=1){

            printf(" ");
            --temp_outside;
        }

        printf("%c",the_path_point);
        temp_inside=inside2;
        while(temp_inside>=1){

            printf(" ");
            --temp_inside;
        }

        printf("%c",the_path_point);

        --temp3_feet_height;


        }
        ++control_next_height;
        --temp_feet_height;
    }
if(control_inside2>1){
++inside2;
++inside2;
}
++control_inside2;
--next_peak;
--next_peak;
++inside;
++inside;
--outside;
--temp2_feet_height;
++counter_next_peak;
 --first_height;
```

```
    }
}
/*##########################################################################*/
/*                        End of HW03_part4.c                               */
/*##########################################################################*/
```