

```
; How the program works:
```

```
;set up the screen.
```

```
;set up initial positions of the flakes.
```

```
;repeat until ESCAPE pressed;
```

```
  ;           for all flakes;
```

```
  ;           erase old flake
```

```
  ;           update position (ie move it down)
```

```
  ;           check for obstical in the way
```

```
  ;           draw new flake
```

```
  ;           next flake
```

```
;
```

```
wait_frame      equ &bd19
```

```
test_key      equ &bble
down_a_line   equ &bc2b
```

```
org &8000      ;Start Location of code
```

```
call set_screen
call set_table
```

```
.loop
    call move_all      ;Move all the flakes.
    ld a,&66:call test_key ;Check for ESCAPE key & if pressed
    ret nz             ;return to BASIC.
    call wait_frame    ;Smooth out the movement.

jr loop
```

```
set_screen      ;Draw the line at the bottom
                ;of the screen.
    ld hl,&c780      ;80 bytes in one screen line.
    ld b,80
    ld a,255
    ssl
        ld (hl),a:inc hl ;poke line into place
    djnz ssl
ret
```

```
.set_table      ;Set initial positions of
                ;all fifty snow flakes.
    ld de,table
    ld b,50
    stl:
        call set_flake
    djnz stl
ret
```

```
.move_all      ;Move all the flakes, one at
                ;a time.
    ld de,table
    ld b,50
    mal:
        call move_flake
    djnz mal
ret
```

```
.move_flake      ;Move a single flake.
```

