Εργασία 3^η: Παράδειγμα εκτέλεσης του προγράμματος

```
1. Read Array A
2. Read Array B
3. Create Sparse Array A
4. Create Sparse Array B
5. Create Sparse Array C = A + B
6. Display Sparse Array A
7. Display Sparse Array B
8. Display Sparse Array C
                                                           <u>Array A</u>
0. Exit
                                           0 0 0 0 0 0 8 0 0 0 0 -3
Choice? 1
                                                   (μήκος = 10) (τιμές = 2)
Reading Array A
Position 0:0
Position 1:0
Position 2:0
Position 3:0
Position 4:0
Position 5:8
Position 6:0
Position 7:0
Position 8:0
Position 9:-3
1. Read Array A
2. Read Array B
3. Create Sparse Array A
4. Create Sparse Array B
5. Create Sparse Array C = A + B
6. Display Sparse Array A
7. Display Sparse Array B
8. Display Sparse Array C
0. Exit
                                                          <u>Array B</u>
Choice? 2
                                         11 |0 | 0 | 0 | 0 | 3 | 0 | 0 | 6 | 0 |
Reading Array B
                                                  (μήκος = 10) (τιμές = 3)
Position 0 :11
Position 1:0
Position 2:0
Position 3:0
Position 4:0
Position 5:3
Position 6:0
Position 7:0
Position 8:6
Position 9:0
```

```
1. Read Array A
2. Read Array B
-----
3. Create Sparse Array A
4. Create Sparse Array B
5. Create Sparse Array C = A + B
-----
6. Display Sparse Array A
                                                   Sparse Array A
7. Display Sparse Array B
                                                 |5 | 8 | 9 | -3 |
8. Display Sparse Array C
                                               (μήκος = 4) (τιμές = 2)
0. Exit
Choice? 3
Creating Sparse Array A \bigcirc
2 values
1. Read Array A
2. Read Array B
3. Create Sparse Array A
4. Create Sparse Array B
5. Create Sparse Array C = A + B
-----
6. Display Sparse Array A
7. Display Sparse Array B
                                                  Sparse Array B
8. Display Sparse Array C
                                            | 0 | 11 | 5 | 3 | 8 | 6 |
                                              (μήκος = 6) (τιμές = 3)
0. Exit
Choice? 4
Creating Sparse Array B
3 values
1. Read Array A
2. Read Array B
3. Create Sparse Array A
4. Create Sparse Array B
5. Create Sparse Array C = A + B
-----
6. Display Sparse Array A
                                                   Sparse Array C
7. Display Sparse Array B
                                              |0|11|5|11|8|6|9|-3|
8. Display Sparse Array C
                                               (μήκος = 8) (τιμές = 4)
0. Exit
_____
Choice? 5
Creating Sparse Array C = A + B ○
```

4 values

```
1. Read Array A
2. Read Array B
-----
3. Create Sparse Array A
4. Create Sparse Array B
5. Create Sparse Array C = A + B
-----
6. Display Sparse Array A
7. Display Sparse Array B
8. Display Sparse Array C
0. Exit
-----
Choice? 6
Displaying Sparse Array A
Position: 5 Value: 8
Position: 9 Value: -3
1. Read Array A
2. Read Array B
_____
3. Create Sparse Array A
4. Create Sparse Array B
5. Create Sparse Array C = A + B
-----
6. Display Sparse Array A
7. Display Sparse Array B
8. Display Sparse Array C
_____
0. Exit
Choice? 7
Displaying Sparse Array B
Position: 0 Value: 11
Position: 5 Value: 3
Position: 8 Value: 6
1. Read Array A
2. Read Array B
-----
3. Create Sparse Array A
4. Create Sparse Array B
5. Create Sparse Array C = A + B
-----
6. Display Sparse Array A
7. Display Sparse Array B
8. Display Sparse Array C
0. Exit
-----
Choice? 8
Displaying Sparse Array C
Position: 0 Value: 11
Position: 5 Value: 11
Position: 8 Value: 6
Position: 9 Value: -3
```