Activity 1. VALIDATION RESULTS

My obtained results are:

```
Total num of songs: 10

id: 3ld4R7     seconds: 4:27      score:3475
id: 8j4gE3     seconds: 5:22      score:2834
id: 0fmvy3     seconds: 4:40      score:3842
id: 8id4R7     seconds: 4:27      score:3475
id: 9u4gE3     seconds: 6:59      score:2834
id: 2lsdf9     seconds: 3:22      score:3842
id: 3j4yQ6     seconds: 5:02      score:2834
id: 06rwq3     seconds: 4:48      score:3842
id: 87UKo2     seconds: 3:27      score:3475
id: 5rtZe9     seconds: 4:44      score:2834

Length of each block: 20:0
Total score: 27619
Total counters: 47246

Best Block A:
id: 0fmvy3     seconds: 4:40      score:3842
id: 2lsdf9     seconds: 3:22      score:3842
id: 06rwq3     seconds: 4:48      score:3842
id: 87UKo2     seconds: 3:27      score:3475
Total duration Block A: 977
Total score Block A: 15001

Best Block B:
id: 3ld4R7     seconds: 4:27      score:3475
id: 8j4gE3     seconds: 5:22      score:2834
id: 8id4R7     seconds: 4:27      score:3475
id: 3j4yQ6     seconds: 5:02      score:2834
Total duration Block B: 1158
Total score Block B: 12618
```

As you can see, the results are not exactly the same, as the obtained lists are different, but we know that the solutions is correct since the total sum of scores of both blocks is 27619, that is, the expected value. Also, the counter value is 47246, so we ensure that all cases are checked.

Talking about its complexity, in every call 3 nodes are generated, because a new song can be added to block A, block B or any of them; so we can assume that the complexity is $O(3^n)$. I include here a small drawing of the tree of states for two levels, representing my implementations with two different lists and not a unique array: