**MERGE SORT PROJESİ**

**[16,21,11,8,12,22]** -> Merge Sort

* Yukarıdaki dizinin sort türüne göre aşamalarını yazınız.
* Big-O gösterimini yazınız

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | 16 | 21 | 11 | 8 | 12 | 22 |  |  |  |
|  |  | 16 | 21 | 11 |  |  | 8 | 12 | 22 |  |  |
|  | 16 | 21 |  | 11 |  |  | 8 |  | 12 | 22 |  |
| 16 |  | 21 |  | 11 |  |  | 8 |  | 12 |  | 22 |
|  | 16 | 21 |  | 11 |  |  | 8 |  | 12 | 22 |  |
|  |  | 11 | 16 | 21 |  |  | 8 | 12 | 22 |  |  |
|  |  |  | 8 | 11 | 12 | 16 | 21 | 22 |  |  |  |

O(n\*(logn))