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

1) Dizinin "MergeShort" türüne göre aşamaları ;

|  |  |
| --- | --- |
|  | **[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] [11,21] [8] [12,22] |
|  | \ / \ / |
|  | [11,16,21] [8,12,22] |
|  | \ / |
|  | [8,11,12,16,21,22] |

2) Dizinin "Big-O" gösterimi ;

O(nlogn)