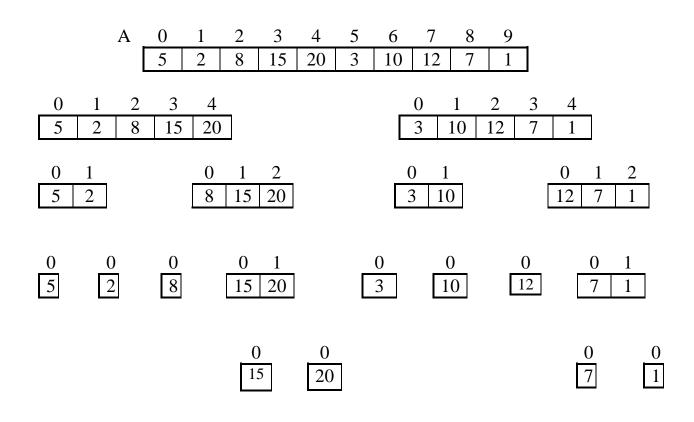
Merge Sort Practice

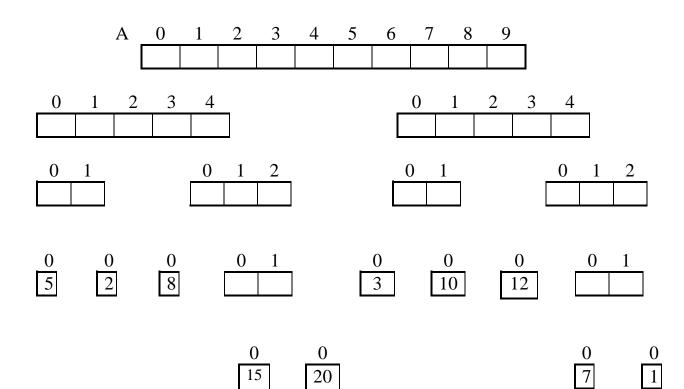
Show the complete recursive breakdown to single elements of the array shown below. When selecting a division point, use the following code:

```
int mid = n / 2;
int[] left = new int[mid];
int[] right = new int[n - mid];
```

| A | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|----|----|---|----|----|---|----|---|
| | 2 | 7 | 14 | 80 | 5 | 20 | 35 | 6 | 55 | 8 |

Given the following breakdown of an array under the mergesort algorithm, show how the array is built back up into a sorted array.





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