MODULE 9 - ACTIVITY 4

QUESTION

Give traces by showing how the keys E A S Y Q U E S T I O N are sorted with bottom-up mergesort.

SOLUTION:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| E | A | S | Y | Q | U | E | S | T | I | O | N |
| A | E |  |  |  |  |  |  |  |  |  |  |
|  |  | S | Y |  |  |  |  |  |  |  |  |
|  |  |  |  | Q | U |  |  |  |  |  |  |
|  |  |  |  |  |  | E | S |  |  |  |  |
|  |  |  |  |  |  |  |  | I | T |  |  |
|  |  |  |  |  |  |  |  |  |  | N | O |
| A | E | S | Y |  |  |  |  |  |  |  |  |
|  |  |  |  | E | S | Q | U |  |  |  |  |
|  |  |  |  |  |  |  |  | I | N | O | T |
| A | E | E | S | S | Q | U | Y |  |  |  |  |
|  |  |  |  |  |  |  |  | I | N | O | T |
| **A** | **E** | **E** | **I** | **N** | **O** | **Q** | **S** | **S** | **T** | **U** | **Y** |