MODULE 11 - ACTIVITY 5

QUESTION

Give traces by showing how the keys E A S Y Q U E S T I O N are sorted with quick sort.

SOLUTION

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