|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | square | large | blue |  | Initialized |
| 2 | square | large | yellow |  | Added Node |
| 3 | square | large | red |  | Added Node |
| 4 | square | large | orange |  | Added Node |
| 5 | square | large | green |  | Added Node |
| 6 | circle | large | blue |  | Added Node |
| 7 | circle | large | yellow |  | Added Node |
| 8 | circle | large | red |  | Merged |
| 9 | circle | large | orange |  | Merged |
| 10 | circle | large | green |  | Formed New Subtree |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | square | large | blue |  | Initialized |
| 2 | circle | large | blue |  | Added Node |
| 3 | square | large | yellow |  | Added Node |
| 4 | circle | large | yellow |  | Added Node |
| 5 | square | large | red |  | Added Node |
| 6 | circle | large | red |  | Merged |
| 7 | square | large | orange |  | Merged |
| 8 | circle | large | orange |  | Added Node |
| 9 | square | large | green |  | Added Node |
| 10 | circle | large | green |  | Added Node |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | circle | large | blue |  | Initialized |
| 2 | circle | large | yellow |  | Added Node |
| 3 | circle | large | red |  | Added Node |
| 4 | square | large | blue |  | Added Node |
| 5 | square | large | yellow |  | Added Node |
| 6 | square | large | red |  | Merged |
| 7 | square | large | orange |  | Formed New Subtree |
| 8 | square | large | green |  | Added Node |
| 9 | circle | large | orange |  | Merged |
| 10 | circle | large | green |  | Added Node |