|  |  |  |  |
| --- | --- | --- | --- |
| containsKey([Object](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html) key)- Input Space Partitioning | | | |
| Variable | Characteristics | Partition | Value |
| Key | Value | A1. < 0 | -1 |
| A2. == 0 | 0 |
| A3. > 0 | 5 |

**Question 7.**

**containsKey(**[**Object**](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html)**key):**

|  |  |  |
| --- | --- | --- |
| containsKey([Object](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html) key)- BCC | | |
| Test | | Oracle |
| T1(base) | A3 | Pass |
| T2 | A1 | Exception |
| T3 | A2 | Exception |

**containsValue(**[**Object**](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html)**value):**

|  |  |  |  |
| --- | --- | --- | --- |
| containsKey([Object](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html) key)- Input Space Partitioning | | | |
| Variable | Characteristics | Partition | Value |
| Key | Value | A1. < 0 | -1 |
| A2. == 0 | 0 |
| A3. > 0 | 5 |

|  |  |  |  |
| --- | --- | --- | --- |
| containsKey([Object](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html) key)- Input Space Partitioning | | | |
| Variable | Characteristics | Partition | Value |
| Key | Value | A1. < 0 | -1 |
| A2. == 0 | 0 |
| A3. > 0 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **containsValue(**[**Object**](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html)**value)-** Input Space Partitioning | | | |
| Variable | Characteristics | Partition | Value |
| Value | Value | A1. < 0 | -1 |
| A2. == 0 | 0 |
| A3. > 0 | 1 |

|  |  |  |
| --- | --- | --- |
| **containsValue(**[**Object**](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html)**value)-** BCC | | |
| Test | | Oracle |
| T1(base) | A3 | Pass |
| T2 | A1 | Exception |
| T3 | A2 | Exception |

**public**[**V**](https://download.java.net/java/early_access/loom/docs/api/java.base/java/util/AbstractMap.html) **get(**[**Object**](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html)**key):**

|  |  |  |  |
| --- | --- | --- | --- |
| get([Object](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html) key)- Input Space Partitioning | | | |
| Variable | Characteristics | Partition | Value |
| Key | Value | A1. < 0 | -1 |
| A2. == 0 | 0 |
| A3. > 0 | 1 |
| V | isNull | B1. True | True |
| B2. False | False |

|  |  |  |  |
| --- | --- | --- | --- |
| get([Object](https://download.java.net/java/early_access/loom/docs/api/java.base/java/lang/Object.html) key)- BCC | | | |
| Test | | | Oracle |
| T1(base) | A3 | B2 | Pass |
| T2 | A3 | B1 | Fail |
| T3 | A1 | B2 | Exception |
| T4 | A1 | B1 | Exception |
| T5 | A2 | B1 | Exception |
| T6 | A2 | B2 | Exception |

**public**[**V**](https://download.java.net/java/early_access/loom/docs/api/java.base/java/util/AbstractMap.html)**put(**[**K**](https://download.java.net/java/early_access/loom/docs/api/java.base/java/util/AbstractMap.html)**key,** [**V**](https://download.java.net/java/early_access/loom/docs/api/java.base/java/util/AbstractMap.html)**value):**

|  |  |  |  |
| --- | --- | --- | --- |
| put([K](https://download.java.net/java/early_access/loom/docs/api/java.base/java/util/AbstractMap.html) key, [V](https://download.java.net/java/early_access/loom/docs/api/java.base/java/util/AbstractMap.html) value)- Input Space Partitioning | | | |
| Variable | Characteristics | Partition | Value |
| Key | Value | A1. < 0 | -1 |
| A2. == 0 | 0 |
| A3. > 0 | 1 |
| Value | Value | B1. < 0 | -1 |
| B2. == 0 | 0 |
| B3. > 0 | 1 |
| V | isNull | C1. True | True |
| C2. False | False |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| put([K](https://download.java.net/java/early_access/loom/docs/api/java.base/java/util/AbstractMap.html) key, [V](https://download.java.net/java/early_access/loom/docs/api/java.base/java/util/AbstractMap.html) value)- BCC | | | | |
| **Test** | | | | **Oracle** |
| T1(base) | A3 | B3 | C2 | Pass |
| T2 | A3 | B3 | C1 | Fail |
| T3 | A3 | B1 | C1 | Exception |
| T4 | A1 | B1 | C1 | Exception |
| T5 | A2 | B1 | C1 | Exception |
| T6 | A1 | B3 | C1 | Exception |
| T7 | A3 | B2 | C1 | Exception |
| T8 | A1 | B3 | C1 | Exception |