|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | Sequence Container | | |
| vector | deque | list |
| constructor | default constructor | O | O | O |
| copy constructor | O | O | O |
| operator= | O | O | O |
| destructor | O | O | O |
| iterator | default constructor | O | O | O |
| copy constructor | O | O | O |
| destructor | O | O | O |
| operator\* | O | O | O |
| operator+ | O | O | O |
| operator- | O | O | O |
| operator++ | O | O | O |
| operator++(int) | O | O | O |
| operator-- | O | O | O |
| operator--(int) | O | O | O |
| operator!= | O | O | O |
| operator== | O | O | O |
| member function | begin | O | O | O |
| end | O | O | O |
| size | O | O | O |
| empty | O | O | O |
| capacity | O | X | X |
| reserve | O | X | X |
| front | O | O | O |
| back | O | O | O |
| operator[] | O | O | X |
| insert | O | O | O |
| erase | O | O | O |
| push\_back | O | O | O |
| pop\_back | O | O | O |
| push\_front | X | O | O |
| pop\_front | X | O | O |
| sort | X | X | O |
| merge | X | X | O |
| reverse | X | X | O |
| remove | X | X | O |
| erase\_by\_index | X | X | O |
| unique | X | X | O |
| clear | O | O | O |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | Adaptive Container | | |
| stack | queue | pri\_queue |
| constructor | default constructor | O | O | O |
| copy constructor | O | O | O |
| member function | empty | O | O | O |
| size | O | O | O |
| push | O | O | O |
| back | X | O | X |
| pop | O | O | O |
| top | O | X | O |
| swap | O | O | X |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | Associative Container | |
| set | map |
| constructor | default constructor | O | O |
| copy constructor | O | O |
| operator= | O | O |
| destructor | O | O |
| iterator | default constructor | O | O |
| operator= | X | O |
| operator\* | O | X |
| operator-> | X | O |
| operator++ | O | O |
| operator!= | O | O |
| operator== | O | X |
| member function | empty | O | O |
| size | O | O |
| insert | O | O |
| begin | O | O |
| end | O | O |
| erase | O | O |
| find | O | O |
| count | O | O |
| operator[] | X | O |
| clear | O | O |