|  |  |  |  |
| --- | --- | --- | --- |
| 1 | 2 | 3 | 4 |
| Hi |  |  | Li |
| vcapacity = 4 | | | |
| vsize = 4 | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |  |
| Hi |  |  |  | Li |  |
| vcapacity = 6 | | | | | |
| vsize = 5 | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |  |
|  | Hi |  |  | Li |  |
| vcapacity = 6 | | | | | |
| vsize = 4 | | | | | |

push(5)->

pop()->

push(6)->

push(7)->

pop()->

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 |
|  | Hi |  |  |  | Li |
| vcapacity = 6 | | | | | |
| vsize = 5 | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 |
|  |  | Hi |  |  | Li |
| vcapacity = 6 | | | | | |
| vsize = 4 | | | | | |

push(8)->

pop()->

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 4 | 5 | 6 | 7 | 2 |
| Hi |  |  |  | Li |  |
| vcapacity = 6 | | | | | |
| vsize = 5 | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 4 | 5 | 6 | 7 | 2 |
|  | Hi |  |  | Li |  |
| vcapacity = 6 | | | | | |
| vsize = 4 | | | | | |

push(9)->

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 4 | 5 | 6 | 7 | 8 |
|  | Hi |  |  |  | Li |
| vcapacity = 6 | | | | | |
| vsize = 5 | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4 | 5 | 6 | 7 | 8 | 9 |
| Hi |  |  |  |  | Li |
| vcapacity = 6 | | | | | |
| vsize = 6 | | | | | |