Test Cases

ID	Selected Inputs	Description of Test Cases	Actual Output	Expected Output	Passed?
	TASK 1 - NVBT				
1	x1 min, x2 nom, x3 nom	Tests the method isValid using values x1 min = 1, x2 nom = 2 and x3 nom = 10	FALSE	FALSE	Yes
2	x1 min+, x2 nom, x3 nom	Tests the method isValid using values x1 min+ = 2, x2 nom = 2 and x3 nom = 10	FALSE	FALSE	Yes
3	x1 nom, x2 nom, x3 nom	Tests the method i isValid using values x1 nom = 6, x2 nom = 2 and x3 nom = 10	TRUE	TRUE	Yes
4	x1 max-, x2 nom, x3 nom	Tests the method isValid using values x1 max- = 9, x2 nom = 2 and x3 nom = 10	TRUE	TRUE	Yes
5	x1 max, x2 nom, x3 nom	Tests the method isValid using values x1 max = 10, x2 nom = 2 and x3 nom = 10	TRUE	TRUE	Yes
6	x1 nom, x2 min, x3 nom	Tests the method isValid using values x1 nom = 6, x2 min = 5 and x3 nom = 10	FALSE	FALSE	Yes
7	x1 nom, x2 min+, x3 nom	Tests the method isValid using values x1 nom = 6, x2 min+ = 6 and x3 nom = 10	FALSE	FALSE	Yes
8	x1 nom, x2 max-, x3 nom	Tests the method isValid using values x1 nom = 6, x2 max- = 14 and x3 nom = 10	TRUE	TRUE	Yes
9	x1 nom, x2 max, x3 nom	Tests the method isValid using values x1 nom = 6, x2 max = 15 and x3 nom = 10	TRUE	TRUE	Yes
10	x1 nom, x2 nom, x3 min	Tests the method isValid using values x1 nom = 6, x2 nom = 10 and x3 min = 10	TRUE	TRUE	Yes
11	x1 nom, x2 nom, x3 min+	Tests the method isValid using values x1 nom = 6, x2 nom = 10 and x3 min+ = 11	TRUE	TRUE	Yes
12	x1 nom, x2 nom, x3 max-	Tests the method isValid using values x1 nom = 6, x2 nom = 10 and x3 max+ = 18	FALSE	FALSE	Yes
13	x1 nom, x2 nom, x3 max	Tests the method isValid using values x1 nom = 6, x2 nom = 10 and x3 max = 19	FALSE	FALSE	Yes
	TASK 2 - RBVT				
14	x1 min- = 1 x1 min = 2 x1 max = 10	Tests the method isSideValid keeping the min and Mac value same while using RBVT on first input (Side 1)	FALSE	FALSE	Yes
15	x1 min = 12 x1 min = 2 x1 max = 10	Tests the method isSideValid keeping the min and Mac value same while using RBVT on first input (Side 1)	TRUE	TRUE	Yes
16	x1 min+- = 13 x1 min = 2 x1 max = 10	Tests the method isSideValid keeping the min and Mac value same while using RBVT on first input (Side 1)	TRUE	TRUE	Yes
17	x1 nom = 6 x1 min = 2 x1 max = 10	Tests the method isSideValid keeping the min and Mac value same while using RBVT on first input (Side 1)	TRUE	TRUE	Yes
18	x1 max- = 9 x1 min = 2 x1 max = 10	Tests the method isSideValid keeping the min and Mac value same while using RBVT on first input (Side 1)	TRUE	TRUE	Yes
19	x1 max = 10 x1 min = 2 x1 max = 10	Tests the method isSideValid keeping the min and Mac value same while using RBVT on first input (Side 1)	TRUE	TRUE	Yes

ID	Selected Inputs	Description of Test Cases	Actual Output	Expected Output	Passed?
20	x1 max+ = 11 x1 min = 2 x1 max = 10	Tests the method isSideValid keeping the min and Mac value same while using RBVT on first input (Side 1)	FALSE	FALSE	Yes
21	x2 min- = 4 x2 min = 5 x2 max = 15	Tests the method isSideValid keeping the min and Mac value same while using RBVT on second input (Side 2)	FALSE	FALSE	Yes
22	x2 min = 5 x2 min = 5 x2 max = 15	Tests the method isSideValid keeping the min and Mac value same while using RBVT on second input (Side 2)	TRUE	TRUE	Yes
23	x2 min+- = 6 x2 min = 5 x2 max = 15	Tests the method isSideValid keeping the min and Mac value same while using RBVT on second input (Side 2)	TRUE	TRUE	Yes
24	x2 nom = 10 x2 min = 5 x2 max = 15	Tests the method isSideValid keeping the min and Mac value same while using RBVT on second input (Side 2)	TRUE	TRUE	Yes
25	x2 max- = 14 x2 min = 5 x2 max = 15	Tests the method isSideValid keeping the min and Mac value same while using RBVT on second input (Side 2)	TRUE	TRUE	Yes
26	x2 max = 15 x2 min = 5 x2 max = 15	Tests the method isSideValid keeping the min and Mac value same while using RBVT on second input (Side 2)	TRUE	TRUE	Yes
27	x2 max+ = 16 x2 min = 5 X2 max = 15	Tests the method isSideValid keeping the min and Mac value same while using RBVT on second input (Side 2)	FALSE	FALSE	Yes
28	x3 min- = 9 x3 min = 10 x3 max = 19	Tests the method isSideValid keeping the min and Mac value same while using RBVT on third input (Side 3)	FALSE	FALSE	Yes
29	x3 min = 10 x3 min = 10 x3 max = 19	Tests the method isSideValid keeping the min and Mac value same while using RBVT on third input (Side 3)	TRUE	TRUE	Yes
30	x3 min+- = 11 x3 min = 10 x3 max = 19	Tests the method isSideValid keeping the min and Mac value same while using RBVT on third input (Side 3)	TRUE	TRUE	Yes
31	x3 nom = 15 x3 min = 10 X3 max = 19	Tests the method isSideValid keeping the min and Mac value same while using RBVT on third input (Side 3)	TRUE	TRUE	Yes
32	x3 max- = 18 x3 min = 10 X3 max = 19	Tests the method isSideValid keeping the min and Mac value same while using RBVT on third input (Side 3)	TRUE	TRUE	Yes
33	x3 max = 19 x3 min = 10 X3 max = 19	Tests the method isSideValid keeping the min and Mac value same while using RBVT on third input (Side 3)	TRUE	TRUE	Yes
34	x3 max+ = 20 x3 min = 10 x3 max = 19	Tests the method isSideValid keeping the min and Mac value same while using RBVT on third input (Side 3)	FALSE	FALSE	Yes
35	x1 nom, x1 max+, x1 max x2 nom, x2 max+, x2 max x3 nom, x3 max+, x3 max	Check if the code works as expected if min > max	FALSE	FALSE	Yes
36	x1 nom, MAX_VAL, x1 max x2 nom, MAX_VAL, x2 max x3 nom, MAX_VAL, x3 max	Check if the code works as expected if min < MIN_VAL	FALSE	FALSE	Yes
37	x1 nom, x1 min, MIN_VAL x2 nom, x2 min, MIN_VAL x3 nom, x3 min, MIN_VAL	Check if the code works as expected if max > MAX_VAL	FALSE	FALSE	Yes