

Test Results

CS 4321 - Software Engineering 1

Test Case 1-A

Summary:

Qty	Height	Width	Length	Value
15	1.00	10.00	60.00	\$26.25
0	2.00	6.00	60.00	\$0.00
0	2.00	4.00	60.00	\$0.00

Scrap: 0.00 cf

	Value	Value%
Lumber:	\$26.25	100.00%
Scrap:	\$0.00	0.00%
Total:	\$26.25	

Test Case 2-A

Summary:

Qty	Height	Width	Length	Value
16	2.00	4.00	96.00	\$48.00
3	1.00	10.00	96.00	\$9.75
0	2.00	6.00	96.00	\$0.00

Scrap: 0.11 cf

	Value	Value%
Lumber:	\$57.75	99.81%
Scrap:	\$0.11	0.19%
Total:	\$57.86	

Test Case 1-B

Summary:

Qty	Height	Width	Length	Value
15	2.00	4.00	60.00	\$22.50
3	1.00	10.00	60.00	\$5.25
0	2.00	6.00	60.00	\$0.00

Scrap: 0.00 cf

	Value	Value%
Lumber:	\$27.75	100.00%
Scrap:	\$0.00	0.00%
Total:	\$27.75	

Test Case 2-B

Summary:

Qty	Height	Width	Length	Value
10	2.00	6.00	96.00	\$46.00
1	2.00	4.00	96.00	\$3.00
3	1.00	10.00	96.00	\$9.75

Scrap: 0.11 cf

	Value	Value%
Lumber:	\$58.75	99.81%
Scrap:	\$0.11	0.19%
Total:	\$58.86	

Test Case 1-C

Summary:

Qty	Height	Width	Length	Value
10	2.00	6.00	60.00	\$20.00
0	2.00	4.00	60.00	\$0.00
3	1.00	10.00	60.00	\$4.50

Scrap: 0.00 cf

	Value	Value%
Lumber:	\$24.50	100.00%
Scrap:	\$0.00	0.00%
Total:	\$24.50	

Test Case 2-C

Summary:

Qty	Height	Width	Length	Value
15	1.00	10.00	96.00	\$60.00
1	2.00	4.00	96.00	\$3.00
0	2.00	6.00	96.00	\$0.00

Scrap: 0.11 cf

	Value	Value%
Lumber:	\$63.00	99.82%
Scrap:	\$0.11	0.18%
Total:	\$63.11	

Test Case 2-D

Log 1:

Qty	Height	Width	Length	Value
16	2.00	4.00	96.00	\$48.00
3	1.00	10.00	96.00	\$9.75
0	2.00	6.00	96.00	\$0.00

Scrap: 0.11 cf

	Value	Value%
Lumber:	\$57.75	99.81%
Scrap:	\$0.11	0.19%
Total:	\$57.86	

Log 2:

Qty	Height	Width	Length	Value
16	2.00	4.00	96.00	\$48.00
3	1.00	10.00	96.00	\$9.75
0	2.00	6.00	96.00	\$0.00

Scrap: 2.33 cf

	Value	Value%
Lumber:	\$57.75	96.12%
Scrap:	\$2.33	3.88%
Total:	\$60.08	

Summary:

Qty	Height	Width	Length	Value
32	2.00	4.00	96.00	\$96.00
6	1.00	10.00	96.00	\$19.50
0	2.00	6.00	96.00	\$0.00

Scrap: 2.44 cf

	Value	Value%
Lumber:	\$115.50	97.93%
Scrap:	\$2.44	2.07%
Total:	\$117.94	

Test Case 3-A

Summary:

Qty	Height	Width	Length	Value
66	2.00	4.00	96.00	\$132.66
0	4.00	6.00	96.00	\$0.00
2	6.00	6.00	96.00	\$18.00

Scrap: 9.29 cf

	Value	Value%
Lumber:	\$150.66	91.53%
Scrap:	\$13.94	8.47%
Total:	\$164.60	

Test Case 3-B

Qty	Height	Width	Length	Value
24	4.00	6.00	96.00	\$168.00
2	2.00	4.00	96.00	\$4.50
0	6.00	6.00	96.00	\$0.00

Scrap: 9.74 cf

	Value	Value%
Lumber:	\$172.50	92.19%
Scrap:	\$14.60	7.81%
Total:	\$187.10	

Test Case 3-C

Summary:

Qty	Height	Width	Length	Value
74	2.00	4.00	96.00	\$166.50
0	4.00	6.00	96.00	\$0.00
0	6.00	6.00	96.00	\$0.00

Scrap: 9.74 cf

	Value	Value%
Lumber:	\$166.50	91.94%
Scrap:	\$14.60	8.06%
Total:	\$181.10	

Test Case 3-D

Summary:

Qty	Height	Width	Length	Value
10	6.00	6.00	96.00	\$60.00
10	4.00	6.00	96.00	\$37.50
9	2.00	4.00	96.00	\$9.24

Scrap: 82.00 cf

	Value	Value%
Lumber:	\$106.74	30.26%
Scrap:	\$246.00	69.74%
Total:	\$352.74	