

Testing Results

for

Entre Hilos & Algodón Management Software

Version 3.3.0 approved

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Tests for computeMaterialUnitCost method

Before tests

Unit Test <i>computeMaterialUnitCost</i>					
Test case	General Cost	GeneralQuantity	Expected Result	Actual Result	Status
1	5,00	10	0,50	0,50	OK
2	2,50	2	1,25	1,25	OK
3	-8,41	-5	Not possible to enter	Not possible to enter	OK
4	2,666666	2,4	Not possible to enter	Not possible to enter	OK
5	2	8	0,25	0,25	OK
6	a	10	Not possible to enter	Not possible to enter	OK
7	5	5	1,00	1,0	OK
8	5,222	-9	Not possible to enter	Not possible to enter	OK
9	2222222,2	7500	296,30	296,2963	FAIL
10	4	10000	0,00	0,0004	FAIL
11	5	8	0,63	0,625	FAIL
12	6,5	7,4	Not possible to enter	Not possible to enter	OK
13	10	5	2,00	2	OK
14	5,8	3	1,93	1,9333334	FAIL
15	4,5,	2	Not possible to enter	Exception	FAIL
16	2	-8	Not possible to enter	Not possible to enter	OK
17	4	k	Not possible to enter	Not possible to enter	OK
18	0	7	0,00	0	OK
19	555,5	6,66666666	Not possible to enter	Not possible to enter	OK
20	2,55555555	20	Not possible to enter	0,125	FAIL
21	2222222222	300000000	74,07	0,74	OK
22	0	0	Not possible to enter	Not possible to enter	OK
23	555555555	10	5,56E+07	5,56E+07	FAIL
24	23,56	0	Not possible to enter	Not possible to enter	OK
25	22	0	Not possible to enter	Not possible to enter	OK

Test Results	
ec.edu.espe.EHAManagement.jar:V3.2.0 (Unit) ×	
Tests passed: 33,33 %	
7 2 tests passed, 4 tests failed. (0,031 s)	
✓	utils.CostsCalculatorTest Failed
✗	utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralQuantity Failed: expected: <0.0> but was: <4.0E-4>
✗	utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForGeneralCost Failed: expected: <1.94> but was: <1.9433333>
✗	utils.CostsCalculatorTest.testComputeMaterialUnitCostNoneDecimalPlacesForGeneralCost Failed: expected: <0.63> but was: <0.625>
✓	utils.CostsCalculatorTest.testComputeMaterialUnitCostCeroForGeneralCost passed (0,0 s)
✓	utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralCost passed (0,001 s)
✗	utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForBoth Failed: expected: <296.3> but was: <296.2963>

After tests

Testing Results for Entre Hilos & Algodón Management Software

Unit Test <i>computeMaterialUnitCost</i>					
Test case	General Cost	GeneralQuantity	Expected Result	Actual Result	Status
1	5,00	10	0,50	0,50	OK
2	2,50	2	1,25	1,25	OK
3	-8,41	-5	Not possible to enter	Not possible to enter	OK
4	2,666666	2,4	Not possible to enter	Not possible to enter	OK
5	2	8	0,25	0,25	OK
6	a	10	Not possible to enter	Not possible to enter	OK
7	5	5	1,00	1,0	OK
8	5,222	-9	Not possible to enter	Not possible to enter	OK
9	222222,2	7500	296,30	296,30	OK
10	4	10000	0,00	0,00	OK
11	5	8	0,63	0,63	OK
12	6,5	7,4	Not possible to enter	Not possible to enter	OK
13	10	5	2,00	2,00	OK
14	5,83	3	1,94	1,94	OK
15	4,5,	2	Not possible to enter	Exception	In work
16	2	-8	Not possible to enter	Not possible to enter	OK
17	4	k	Not possible to enter	Not possible to enter	OK
18	0	7	0,00	0,00	OK
19	555,5	6,66666666	Not possible to enter	Not possible to enter	OK
20	2,55555555	20	Not possible to enter	0,13	In work
21	222222222	30000001	74,07	0,74	OK
22	0	0	Not possible to enter	Not possible to enter	OK
23	55555555	10	5,56E+07	5,56E+07	OK
24	23,56	0	Not possible to enter	Not possible to enter	OK
25	22	0	Not possible to enter	Not possible to enter	OK

Test Results x

ec.edu.espe:EHAManagement.jar:V3.2.0 (Unit) x

Tests passed: 100,00 %

All 6 tests passed. (0,011 s)

- utils.CostsCalculatorTest passed
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForGeneralCost passed (0,008 s)
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralQuantity passed (0,001 s)
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostNoneDecimalPlacesForGeneralCost passed (0,0 s)
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForBoth passed (0,001 s)
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostCeroForGeneralCost passed (0,0 s)
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralCost passed (0,001 s)

Tests for computeWorkingTimeCostPerProduct method

Before tests

Testing Results for Entre Hilos & Algodón Management Software

Unit Test computeWorkingTimeCostPerProduct					
Test case	Working Time	Current Salary	Expected Result	Actual Result	Status
1	5	400,00	8,33	8,333333	Fail
2	10	450,63	18,78	18,76249	Fail
3	8	987,1	32,90	32,9	Ok
4	0	123,32	0,00	0	Ok
5	1	12,66	0,05	0,052775003	Fail
6	12	98765,22	4938,26	4938,26	Ok
7	100	24	10,00	10	Ok
8	2	666321,03	5552,68	5,552,675	Fail
9	3	2352,62	29,41	29,407,825	Fail
10	4	123,32	2,06	2,06	Ok
11	1	22,33	0,09	0,09	Ok
12	2126	951,000001	8424,28	8424,278	Fail
13	0	0	0,00	0	Ok
14	19	123,21	9,75	9,75	Ok
15	15	598,36	37,40	37,4	Ok
16	8888888888	7,66666	283950370,35	283950370,3	Fail
17	2,1	2	0,02	0,02	Ok
18	91	23	8,72	8,72	Ok
19	666666666,0	98888888,1	274691355558642,00	274691355558641,00	Fail
20	9	999,1	37,47	37,47	Ok
21	98	87965432,1	35919218,11	359192,2	Fail
22	12	980000,9	49000,05	4900,00	Ok
23	5	126,32	2,63	2,63	Ok
24	9	174,98	6,56	6,56205	Fail
25	15	12,12	0,76	0,76	Ok

Test Results x

utils.CostCalculatorTest x

Tests passed: 40.00 %

2 tests passed, 3 tests failed. (0.133 s)

- utils.CostCalculatorTest Failed
 - testComputeWorkingTimeCostProductTwoDecimal Failed: expected:<32.9> but was:<32.90333>
 - testComputeWorkingTimeCostProductUnitCostBigNumber Failed: expected:<5552.67> but was:<5552.675>
 - testComputeWorkingTimeCostProductNoneDecimal passed (0.001 s)
 - testComputeWorkingTimeCostProductCero passed (0.0 s)
 - testComputeWorkingTimeCostProductTwoEqualDecimalPlaces Failed: expected:<8.33> but was:<8.333333>

After tests

Testing Results for Entre Hilos & Algodón Management Software

Test case	Working Time	Current Salary	Expected Result	Actual Result	Status
1	5	400,00	8,33	8,33	Ok
2	10	450,63	18,78	18,78	Ok
3	8	987,1	32,90	32,9	Ok
4	0	123,32	0,00	0	Ok
5	1	12,66	0,05	0,05	Ok
6	12	98765,22	4938,26	4938,26	Ok
7	100	24	10,00	10	Ok
8	2	666321,03	5552,68	5.552,68	Ok
9	3	2352,62	29,41	29,41	Fail
10	4	123,32	2,06	2,06	Ok
11	1	22,33	0,09	0,09	Ok
12	2126	951,000001	8424,28	8424,28	Ok
13	0	0	0,00	0	Ok
14	19	123,21	9,75	9,75	Ok
15	15	598,36	37,40	37,4	Ok
16	8888888888	7,66666	283950370,35	283950370,35	Ok
17	2,1	2	0,02	0,02	Ok
18	91	23	8,72	8,72	Ok
19	66666666,0	98888888,1	274691355558642,00	274691355558642,00	Ok
20	9	999,1	37,47	37,47	Ok
21	98	87965432,1	35919218,11	35919218,11	Ok
22	12	980000,9	49000,05	4900,00	Ok
23	5	126,32	2,63	2,63	Ok
24	9	174,98	6,56	6,56	Ok
25	15	12,12	0,76	0,76	Ok

Test Results x

utils.CostCalculatorTest x

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Tests passed: 100.00 %

▶▶

All 5 tests passed. (0.137 s)

▼

utils.CostCalculatorTest passed running...

✓

testComputeWorkingTimeCostProductTwoDecimal passed (0.019 s)

✓

testComputeWorkingTimeCostProductUnitCostBigNumber passed (0.001 s)

✓

testComputeWorkingTimeCostProductNoneDecimal passed (0.001 s)

✓

testComputeWorkingTimeCostProductCero passed (0.001 s)

✓

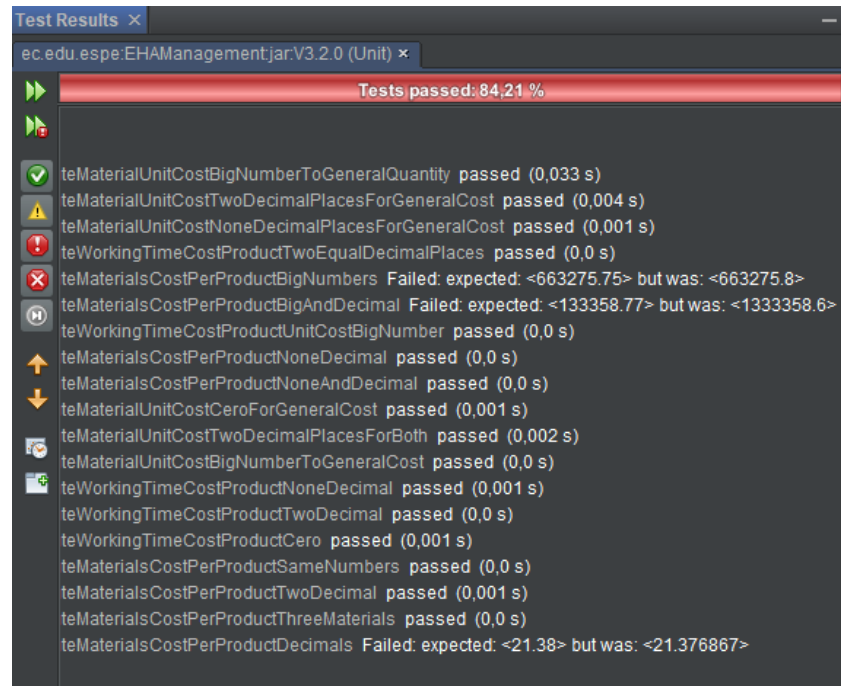
testComputeWorkingTimeCostProductTwoEqualDecimalPlaces passed (0.001 s)

Tests for computeMaterialsCostPerProduct method

Before tests

Before test	Test Results for computeMaterialsCostPerProduct method				
Test name	Material unit cost	material quantity	Expected Result	Actual Result	Status
1	0.00	3.1	8.83	8.83	OK
	1.00	1			
	1.43	3.9			
	1.80	1			
2	1	1	31	31	OK
	2	2			
	3	3			
	4	4			
3	1.2	2	Not possible to enter	Not possible to enter	OK
	0.0	2			
	4.2	1			
	3	2			
4	0.0	2	Not possible to enter	Not possible to enter	OK
	1	1			
	0.0	4			
	1.23	2			
5	0.74	1	14.34	14.34	OK
	2.00	2			
	0	1			
	1.0221	2			
6	0.02	8	Not possible to enter	Not possible to enter	OK
	3	4			
	2.1212	2.000			
	0.20	4.00			
7	1.784	1.0004	21.38	21.376867	F.A.L.
	2	6.8			
	1.12	2			
	2.2.0001	1			
8	0.21	1	Not possible to enter	Not possible to enter	OK
	1	1			
	0	1			
	0.02	2			
9	1.0221	1	Not possible to enter	Not possible to enter	OK
	0.00	1			
	0.02	8			
	2	0.0			
10	1.2	1	Not possible to enter	4.077889	F.A.L.
	0.2221	1.10101111			
	12	0.0			
	0.2	10			
11	0	1.3	8.0	8.0	OK
	200.11	1			
	80.1	2			
	212.11	0.00			
12	40.21	12	870.44	870.4300	F.A.L.
	1	0			
	0.10	21.1011			
	2	1			
13	2	1	Not possible to enter	Not possible to enter	OK
	2	1			
	2	1			
	12	1			
14	1	4	Not possible to enter	Not possible to enter	OK
	0	12.2121			
	21	0.00			
	1	0.0			
15	3.21	0.76	683278.78	683278.8	F.A.L.
	801212.11	0.72			
	4	1			
	1	1			
16	0.02	2	Not possible to enter	Not possible to enter	OK
	2.0	1			
	21.01	21.02222			
	12	0			
17	12	0.21	Not possible to enter	Not possible to enter	OK
	1	0.1			
	1.82	0.83			
	1	2			
18	4	1	Not possible to enter	Not possible to enter	OK
	1	0.0			
	2.1	1			
	1.2	1			
19	2	1	Not possible to enter	Not possible to enter	OK
	0.21	1			
	1011111.2	0.1			
	212	0.10			
20	2022222.2	0.00	1313108.77	1313108.6	F.A.L.
	0.21	0.00			
	0	1			
	0	0.21			
21	0	1	Not possible to enter	Not possible to enter	OK
	0.00	1			
	1	1			
	1	1			
22	1.21	1	3	3	OK
	7	1			
	2	0			
	0	0			
23	202.1	0.21	Not possible to enter	Not possible to enter	OK
	34.00	0			
	2	1			
	0	2			
24	1023.10	2000	Not possible to enter	Not possible to enter	OK
	not	12.3			
	20	1			

Testing Results for Entre Hilos & Algodón Management Software



After tests

Testing Results for Entre Hilos & Algodón Management Software

Unit Test sample1entre2entre2entre2					
Test case	Material unit code	material quantity	Expected Result	Actual Result	Status
1	0.32	2.1	8.82	8.82	OK
	1.02	1			
	1.42	3.8			
	1.82	1			
	1	1			
2	2	5	21	21	OK
	3	3			
	1	1			
	3.02	9			
	1.2	2			
3	0.3	2	Not possible to enter	Not possible to enter	OK
	0.3	2			
	4.2	1			
	2	2			
	0.3	2			
4	1	1	Not possible to enter	Not possible to enter	OK
	0.3	4			
	1.32	2			
	0.12	1			
	2.32	3			
5	6	1	14.34	14.34	OK
	1.2221	2			
	0.32	9			
	3	9			
	0.32	4.83			
6	1.754	1.00004	21.38	21.38	OK
	2	6.8			
	1.12	2			
	2.22001	1			
	3.21	1			
7	1	1	Not possible to enter	Not possible to enter	OK
	0	1			
	0.32	2			
	1.1221	1			
	0.68	1			
8	0.32	6	Not possible to enter	4.077688	In work
	2	0.2			
	1.2	1			
	0.2221	1.11111111			
	12	0.3			
9	0.2	10	9.8	9.8	OK
	3	1.3			
	200.11	1			
	90.1	2			
	212.11	0.88			
10	48.21	12	873.44	873.44	OK
	1	0			
	4.12	21.1111			
	2	1			
	2	1			
11	12	9	Not possible to enter	Not possible to enter	OK
	1	8			
	0	12.2121			
	21	0.82			
	1	0.2			
12	0.21	0.76	663278.76	663278.8	In work
	801212.11	0.72			
	9	1			
	1	1			
	0.32	2			
13	2.5	1	Not possible to enter	Not possible to enter	OK
	21.01	21.22222			
	12	0			
	12	0.21			
	1	0.1			
14	1.82	0.82	Not possible to enter	Not possible to enter	OK
	1	2			
	<	1			
	1	-02			
	2.1	-1			
15	1.2	1	Not possible to enter	Not possible to enter	OK
	2	1			
	0.21	1			
	1111111.1	0.1			
	212	0.12			
16	3232222.2	0.88	1333388.77	1333388.8	In work
	0.21	0.82			
	1	1			
	2	0.21			
	0.93	1			
17	1	1	3	3	OK
	1	1			
	1.21	1			
	9	1			
	2	0			
18	0	0	Not possible to enter	Not possible to enter	OK
	323.1	0.21			
	3435	1			
	2	1			
	4	2			
19	1223.12	none	Not possible to enter	Not possible to enter	OK
	na1	12.2			
	22	1			

Testing Results for Entre Hilos & Algodón Management Software

Test Results x

ec.edu.espe.EHManagement.jar:V3.2.0 (Unit) x

Tests passed: 89,47 %

17 tests passed, 2 tests failed. (0,033 s)

utils.CostsCalculatorTest Failed

- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductThreeMaterials passed (0,006 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostCeroForGeneralCost passed (0,009 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductNoneDecimal passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralCost passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductTwoDecimal passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForBoth passed (0,001 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductTwoDecimal passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductNoneAndDecimal passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductDecimals passed (0,0 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductUnitCostBigNumber passed (0,0 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductCero passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductNoneDecimal passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralQuantity passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForGeneralCost passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostNoneDecimalPlacesForGeneralCost passed (0,0 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductTwoEqualDecimalPlaces passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductSameNumbers passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductBigNumbers Failed: expected: <663275.75> but was: <663275.8>

Tests for computeTotalProductProductionCost method

Before tests

Unit Test computeTotalProductProductionCost					
Test case	Materials Cost Per Product	Working Time Cost Per Product	Expected result	Actual result	Status
1	8,06	8,33	16,39	16,39	Ok
2	5,4	5,8	11,20	11,200001	Fail
3	6,36	36	42,36	42,36	Ok
4	4,69	1	5,69	5,69	Ok
5	10,63	23	33,63	33,63	Ok
6	8,63	0,99	9,62	9,62	Ok
7	1	0,22	1,22	1,22	Ok
8	19,63	0,3	19,93	19,929998	Fail
9	987	26	1.013,00	1013	Ok
10	1,36	2	3,36	3,36	Ok
11	2,98	6676,336	6.679,32	6679,316	Ok
12	3,1	15,32	18,42	18,42	Ok
13	4,6	9965,04	9.969,64	9969,64	Ok
14	6,66	0,99	7,65	7,6499996	Fail
15	7,77	226	233,77	233,77	Ok
16	15,39	2569	2.584,39	2584,39	Ok
17	96,66	9887,63	9.984,29	9984,29	Ok
18	30,61	32,63	63,24	63,24	Ok
19	59,5	5999	6.058,50	6085,5	Ok
20	-1555,5	12,36	-1.543,14	-1.543,14	Ok
21	987456,36	28	987.484,36	987484,357	Fail
22	98521,3	9823,01	108.344,31	108.344,305	Fail
23	6	88	94,00	94	Ok
24	-721,96	-25	-746,96	-746,96	Ok
25	94,63	996312,36	996.406,99	996407,0	Fail

Testing Results for Entre Hilos & Algodón Management Software

Test case	Materials Cost Per Product	Working Time Cost Per Product	Expected result	Actual result	Status
1	8,06	8,33	16,39	16,39	Ok
2	5,4	5,8	11,20	11,20	Ok
3	6,36	36	42,36	42,36	Ok
4	4,69	1	5,69	5,69	Ok
5	10,63	23	33,63	33,63	Ok
6	8,63	0,99	9,62	9,62	Ok
7	1	0,22	1,22	1,22	Ok
8	19,63	0,3	19,93	19,93	Ok
9	987	26	1.013,00	1013,00	Ok
10	1,36	2	3,36	3,36	Ok
11	2,98	6676,336	6.679,32	6679,32	Ok
12	3,1	15,32	18,42	18,42	Ok
13	4,6	9965,04	9.969,64	9969,64	Ok
14	6,66	0,99	7,65	7,65	Ok
15	7,77	226	233,77	233,77	Ok
16	15,39	2569	2.584,39	2584,39	Ok
17	96,66	9887,63	9.984,29	9984,29	Ok
18	30,61	32,63	63,24	63,24	Ok
19	59,5	5999	6.058,50	6058,50	Ok
20	-1555,5	12,36	-1.543,14	-1543,14	Ok
21	987456,36	28	987.484,36	987484,36	Ok
22	98521,3	9823,01	108.344,31	108344,31	Ok
23	6	88	94,00	94,00	Ok
24	-721,96	-25	-746,96	-746,96	Ok
25	94,63	996312,36	996.406,99	996407,0	In work

Test Results

ec.edu.espe:EHAManagement.jar.V3.3.0 (Unit)

Tests passed: 76,19 %

16 tests passed, 5 tests failed. (0,036 s)

utils.CostsCalculatorTest Failed

- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductNoneAndDecimal Failed: expected: <663275.75> but was: <663275.8>
- utils.CostsCalculatorTest.testComputeMaterialUnitCostCeroForGeneralCost passed (0,0 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductUnitCostBigNumber Failed: expected: <3.591922E7> but was: <3.591922E7>
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductTwoDecimal Failed: expected: <0.5> but was: <0.53>
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductNoneDecimal passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductTwoDecimal passed (0,0 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductCero passed (0,002 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductNoneDecimal passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralCost passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForBoth passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralQuantity passed (0,001 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductSmallPurePeriodicDecimals passed (0,001 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductLargeNumbersMixedNewspapers passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostNoneDecimalPlacesForGeneralCost passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForGeneralCost passed (0,001 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductTwoEqualDecimalPlaces passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductSameNumbers passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductDecimals passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductBigNumbers Failed: expected: <663275.75> but was: <663275.8>
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductThreeMaterials passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductBigAndDecimal Failed: expected: <133358.77> but was: <133358.8>