

Class Name	Class Number						
Pair	1						
Fraction	2						
TableFormatter	3						
Candidate	4						
VotingSystemRunner	5						
VotingStreamParser	6						
InstantRunoffSystem	7						
Ballot	8						
OpenPartyListSystem	9						
PartyInformation	10						

Test Case #	Scope	Class Name	Class #	Function/Constructor Name	Relative Test #	Test Name	Author(s)
1	Unit	Candidate	4	Candidate	1	testConstructorTypical	Nikunj Chawla
2	Unit	Candidate	4	Candidate	2	testConstructorNullValue	Nikunj Chawla
3	Unit	Candidate	4	Candidate	3	testConstructorNullKey	Nikunj Chawla
4	Unit	Candidate	4	getName	1	testGetName	Nikunj Chawla
5	Unit	Candidate	4	getParty	1	testGetParty	Nikunj Chawla
6	Unit	Candidate	4	toString	1	testToString	Nikunj Chawla
7	Unit	Candidate	4	equals	1	testEqualsTypical	Nikunj Chawla
8	Unit	Candidate	4	equals	2	testDifferentParties	Nikunj Chawla
9	Unit	Candidate	4	equals	3	testDifferentNames	Nikunj Chawla
10	Unit	Fraction	2	Fraction	1	testZeroDivisionByZero	Nikunj Chawla
11	Unit	Fraction	2	Fraction	2	testPositiveDivisionByZero	Nikunj Chawla
12	Unit	Fraction	2	Fraction	3	testNegativeDivisionByZero	Nikunj Chawla
13	Unit	Fraction	2	Fraction	4	testReductionToOne	Nikunj Chawla
14	Unit	Fraction	2	Fraction	5	testTopHeavyReduction	Nikunj Chawla
15	Unit	Fraction	2	Fraction	6	testBottomHeavyReduction	Nikunj Chawla
16	Unit	Fraction	2	Fraction	7	testNegativeDenominatorReduction	Nikunj Chawla
17	Unit	Fraction	2	Fraction	8	testZeroReduction	Nikunj Chawla
18	Unit	Fraction	2	Fraction	9	testExpectedNegative	Nikunj Chawla
19	Unit	Fraction	2	Fraction	10	testNegativeDenominator	Nikunj Chawla
20	Unit	Fraction	2	Fraction	11	testNegativeNumeratorNegativeDenominator	Nikunj Chawla
21	Unit	Fraction	2	gcd	1	testGeneral	Nikunj Chawla
22	Unit	Fraction	2	gcd	2	testEqualN1N2	Nikunj Chawla
23	Unit	Fraction	2	gcd	3	testN1Prime	Nikunj Chawla
24	Unit	Fraction	2	gcd	4	testN2Prime	Nikunj Chawla
25	Unit	Fraction	2	gcd	5	testN1MultipleOfN2	Nikunj Chawla
26	Unit	Fraction	2	gcd	6	testN2MultipleOfN1	Nikunj Chawla
27	Unit	Fraction	2	gcd	7	testN1Zero	Nikunj Chawla
28	Unit	Fraction	2	gcd	8	testN2Zero	Nikunj Chawla
29	Unit	Fraction	2	gcd	9	testN1One	Nikunj Chawla
30	Unit	Fraction	2	gcd	10	testN2One	Nikunj Chawla
31	Unit	Fraction	2	gcd	11	testN1OddN2OddProperty	Nikunj Chawla
32	Unit	Fraction	2	gcd	12	testN1EvenN2EvenProperty	Nikunj Chawla
33	Unit	Fraction	2	gcd	13	testN1EvenN2OddProperty	Nikunj Chawla
34	Unit	Fraction	2	gcd	14	testN1OddN2EvenProperty	Nikunj Chawla
35	Unit	Fraction	2	reciprocal	1	testBottomHeavyReciprocal	Nikunj Chawla
36	Unit	Fraction	2	reciprocal	2	testTopHeavyReciprocal	Nikunj Chawla
37	Unit	Fraction	2	reciprocal	3	testNegativeBottomHeavyReciprocal	Nikunj Chawla
38	Unit	Fraction	2	reciprocal	4	testNegativeTopHeavyReciprocal	Nikunj Chawla
39	Unit	Fraction	2	reciprocal	5	testOneReciprocal	Nikunj Chawla
40	Unit	Fraction	2	reciprocal	6	testZeroReciprocal	Nikunj Chawla

41	Unit	Fraction	2	getWholePart	1	testBottomHeavyWholePart	Nikunj Chawla
42	Unit	Fraction	2	getWholePart	2	testTopHeavyWholePart	Nikunj Chawla
43	Unit	Fraction	2	getWholePart	3	testNegativeBottomHeavyWholePart	Nikunj Chawla
44	Unit	Fraction	2	getWholePart	4	testNegativeTopHeavyWholePart	Nikunj Chawla
45	Unit	Fraction	2	getWholePart	5	testOneWholePart	Nikunj Chawla
46	Unit	Fraction	2	getWholePart	6	testZeroWholePart	Nikunj Chawla
47	Unit	Fraction	2	getFractionalPart	1	testBottomHeavyFractionalPart	Nikunj Chawla
48	Unit	Fraction	2	getFractionalPart	2	testTopHeavyFractionalPart	Nikunj Chawla
49	Unit	Fraction	2	getFractionalPart	3	testNegativeBottomHeavyFractionalPart	Nikunj Chawla
50	Unit	Fraction	2	getFractionalPart	4	testNegativeTopHeavyFractionalPart	Nikunj Chawla
51	Unit	Fraction	2	getFractionalPart	5	testOneFractionalPart	Nikunj Chawla
52	Unit	Fraction	2	getFractionalPart	6	testZeroFractionalPart	Nikunj Chawla
53	Unit	Fraction	2	getDoubleValue	1	testBottomHeavyDoubleValue	Nikunj Chawla
54	Unit	Fraction	2	getDoubleValue	2	testTopHeavyDoubleValue	Nikunj Chawla
55	Unit	Fraction	2	getDoubleValue	3	testNegativeBottomHeavyDoubleValue	Nikunj Chawla
56	Unit	Fraction	2	getDoubleValue	4	testNegativeTopHeavyDoubleValue	Nikunj Chawla
57	Unit	Fraction	2	getDoubleValue	5	testOneDoubleValue	Nikunj Chawla
58	Unit	Fraction	2	getDoubleValue	6	testZeroDoubleValue	Nikunj Chawla
59	Unit	Fraction	2	add	1	testBottomHeavyBottomHeavyAdd	Nikunj Chawla
60	Unit	Fraction	2	add	2	testBottomHeavyTopHeavyAdd	Nikunj Chawla
61	Unit	Fraction	2	add	3	testBottomHeavyNegativeBottomHeavyAdd	Nikunj Chawla
62	Unit	Fraction	2	add	4	testBottomHeavyNegativeTopHeavyAdd	Nikunj Chawla
63	Unit	Fraction	2	add	5	testBottomHeavyOneAdd	Nikunj Chawla
64	Unit	Fraction	2	add	6	testBottomHeavyZeroAdd	Nikunj Chawla
65	Unit	Fraction	2	add	7	testTopHeavyBottomHeavyAdd	Nikunj Chawla
66	Unit	Fraction	2	add	8	testTopHeavyTopHeavyAdd	Nikunj Chawla
67	Unit	Fraction	2	add	9	testTopHeavyNegativeBottomHeavyAdd	Nikunj Chawla
68	Unit	Fraction	2	add	10	testTopHeavyNegativeTopHeavyAdd	Nikunj Chawla
69	Unit	Fraction	2	add	11	testTopHeavyOneAdd	Nikunj Chawla
70	Unit	Fraction	2	add	12	testTopHeavyZeroAdd	Nikunj Chawla
71	Unit	Fraction	2	add	13	testNegativeBottomHeavyBottomHeavyAdd	Nikunj Chawla
72	Unit	Fraction	2	add	14	testNegativeBottomHeavyTopHeavyAdd	Nikunj Chawla
73	Unit	Fraction	2	add	15	testNegativeBottomHeavyNegativeBottomHeavyAdd	Nikunj Chawla
74	Unit	Fraction	2	add	16	testNegativeBottomHeavyNegativeTopHeavyAdd	Nikunj Chawla
75	Unit	Fraction	2	add	17	testNegativeBottomHeavyOneAdd	Nikunj Chawla
76	Unit	Fraction	2	add	18	testNegativeBottomHeavyZeroAdd	Nikunj Chawla
77	Unit	Fraction	2	add	19	testNegativeTopHeavyBottomHeavyAdd	Nikunj Chawla
78	Unit	Fraction	2	add	20	testNegativeTopHeavyTopHeavyAdd	Nikunj Chawla
79	Unit	Fraction	2	add	21	testNegativeTopHeavyNegativeBottomHeavyAdd	Nikunj Chawla
80	Unit	Fraction	2	add	22	testNegativeTopHeavyNegativeTopHeavyAdd	Nikunj Chawla
81	Unit	Fraction	2	add	23	testNegativeTopHeavyOneAdd	Nikunj Chawla
82	Unit	Fraction	2	add	24	testNegativeTopHeavyZeroAdd	Nikunj Chawla
83	Unit	Fraction	2	add	25	testOneBottomHeavyAdd	Nikunj Chawla
84	Unit	Fraction	2	add	26	testOneTopHeavyAdd	Nikunj Chawla
85	Unit	Fraction	2	add	27	testOneNegativeBottomHeavyAdd	Nikunj Chawla
86	Unit	Fraction	2	add	28	testOneNegativeTopHeavyAdd	Nikunj Chawla
87	Unit	Fraction	2	add	29	testOneOneAdd	Nikunj Chawla
88	Unit	Fraction	2	add	30	testOneZeroAdd	Nikunj Chawla
89	Unit	Fraction	2	add	31	testZeroBottomHeavyAdd	Nikunj Chawla
90	Unit	Fraction	2	add	32	testZeroTopHeavyAdd	Nikunj Chawla
91	Unit	Fraction	2	add	33	testZeroNegativeBottomHeavyAdd	Nikunj Chawla
92	Unit	Fraction	2	add	34	testZeroNegativeTopHeavyAdd	Nikunj Chawla
93	Unit	Fraction	2	add	35	testZeroOneAdd	Nikunj Chawla

94	Unit	Fraction	2	add	36	testZeroZeroAdd	Nikunj Chawla
95	Unit	Fraction	2	subtract	1	testBottomHeavyBottomHeavySubtract	Nikunj Chawla
96	Unit	Fraction	2	subtract	2	testBottomHeavyTopHeavySubtract	Nikunj Chawla
97	Unit	Fraction	2	subtract	3	testBottomHeavyNegativeBottomHeavySubtract	Nikunj Chawla
98	Unit	Fraction	2	subtract	4	testBottomHeavyNegativeTopHeavySubtract	Nikunj Chawla
99	Unit	Fraction	2	subtract	5	testBottomHeavyOneSubtract	Nikunj Chawla
100	Unit	Fraction	2	subtract	6	testBottomHeavyZeroSubtract	Nikunj Chawla
101	Unit	Fraction	2	subtract	7	testTopHeavyBottomHeavySubtract	Nikunj Chawla
102	Unit	Fraction	2	subtract	8	testTopHeavyTopHeavySubtract	Nikunj Chawla
103	Unit	Fraction	2	subtract	9	testTopHeavyNegativeBottomHeavySubtract	Nikunj Chawla
104	Unit	Fraction	2	subtract	10	testTopHeavyNegativeTopHeavySubtract	Nikunj Chawla
105	Unit	Fraction	2	subtract	11	testTopHeavyOneSubtract	Nikunj Chawla
106	Unit	Fraction	2	subtract	12	testTopHeavyZeroSubtract	Nikunj Chawla
107	Unit	Fraction	2	subtract	13	testNegativeBottomHeavyBottomHeavySubtract	Nikunj Chawla
108	Unit	Fraction	2	subtract	14	testNegativeBottomHeavyTopHeavySubtract	Nikunj Chawla
109	Unit	Fraction	2	subtract	15	testNegativeBottomHeavyNegativeBottomHeavySubtract	Nikunj Chawla
110	Unit	Fraction	2	subtract	16	testNegativeBottomHeavyNegativeTopHeavySubtract	Nikunj Chawla
111	Unit	Fraction	2	subtract	17	testNegativeBottomHeavyOneSubtract	Nikunj Chawla
112	Unit	Fraction	2	subtract	18	testNegativeBottomHeavyZeroSubtract	Nikunj Chawla
113	Unit	Fraction	2	subtract	19	testNegativeTopHeavyBottomHeavySubtract	Nikunj Chawla
114	Unit	Fraction	2	subtract	20	testNegativeTopHeavyTopHeavySubtract	Nikunj Chawla
115	Unit	Fraction	2	subtract	21	testNegativeTopHeavyNegativeBottomHeavySubtract	Nikunj Chawla
116	Unit	Fraction	2	subtract	22	testNegativeTopHeavyNegativeTopHeavySubtract	Nikunj Chawla
117	Unit	Fraction	2	subtract	23	testNegativeTopHeavyOneSubtract	Nikunj Chawla
118	Unit	Fraction	2	subtract	24	testNegativeTopHeavyZeroSubtract	Nikunj Chawla
119	Unit	Fraction	2	subtract	25	testOneBottomHeavySubtract	Nikunj Chawla
120	Unit	Fraction	2	subtract	26	testOneTopHeavySubtract	Nikunj Chawla
121	Unit	Fraction	2	subtract	27	testOneNegativeBottomHeavySubtract	Nikunj Chawla
122	Unit	Fraction	2	subtract	28	testOneNegativeTopHeavySubtract	Nikunj Chawla
123	Unit	Fraction	2	subtract	29	testOneOneSubtract	Nikunj Chawla
124	Unit	Fraction	2	subtract	30	testOneZeroSubtract	Nikunj Chawla
125	Unit	Fraction	2	subtract	31	testZeroBottomHeavySubtract	Nikunj Chawla
126	Unit	Fraction	2	subtract	32	testZeroTopHeavySubtract	Nikunj Chawla
127	Unit	Fraction	2	subtract	33	testZeroNegativeBottomHeavySubtract	Nikunj Chawla
128	Unit	Fraction	2	subtract	34	testZeroNegativeTopHeavySubtract	Nikunj Chawla
129	Unit	Fraction	2	subtract	35	testZeroOneSubtract	Nikunj Chawla
130	Unit	Fraction	2	subtract	36	testZeroZeroSubtract	Nikunj Chawla
131	Unit	Fraction	2	multiply	1	testBottomHeavyBottomHeavyMultiply	Nikunj Chawla
132	Unit	Fraction	2	multiply	2	testBottomHeavyTopHeavyMultiply	Nikunj Chawla
133	Unit	Fraction	2	multiply	3	testBottomHeavyNegativeBottomHeavyMultiply	Nikunj Chawla
134	Unit	Fraction	2	multiply	4	testBottomHeavyNegativeTopHeavyMultiply	Nikunj Chawla
135	Unit	Fraction	2	multiply	5	testBottomHeavyOneMultiply	Nikunj Chawla
136	Unit	Fraction	2	multiply	6	testBottomHeavyZeroMultiply	Nikunj Chawla
137	Unit	Fraction	2	multiply	7	testTopHeavyBottomHeavyMultiply	Nikunj Chawla
138	Unit	Fraction	2	multiply	8	testTopHeavyTopHeavyMultiply	Nikunj Chawla
139	Unit	Fraction	2	multiply	9	testTopHeavyNegativeBottomHeavyMultiply	Nikunj Chawla
140	Unit	Fraction	2	multiply	10	testTopHeavyNegativeTopHeavyMultiply	Nikunj Chawla
141	Unit	Fraction	2	multiply	11	testTopHeavyOneMultiply	Nikunj Chawla
142	Unit	Fraction	2	multiply	12	testTopHeavyZeroMultiply	Nikunj Chawla
143	Unit	Fraction	2	multiply	13	testNegativeBottomHeavyBottomHeavyMultiply	Nikunj Chawla
144	Unit	Fraction	2	multiply	14	testNegativeBottomHeavyTopHeavyMultiply	Nikunj Chawla
145	Unit	Fraction	2	multiply	15	testNegativeBottomHeavyNegativeBottomHeavyMultiply	Nikunj Chawla
146	Unit	Fraction	2	multiply	16	testNegativeBottomHeavyNegativeTopHeavyMultiply	Nikunj Chawla

147	Unit	Fraction	2	multiply	17	testNegativeBottomHeavyOneMultiply	Nikunj Chawla
148	Unit	Fraction	2	multiply	18	testNegativeBottomHeavyZeroMultiply	Nikunj Chawla
149	Unit	Fraction	2	multiply	19	testNegativeTopHeavyBottomHeavyMultiply	Nikunj Chawla
150	Unit	Fraction	2	multiply	20	testNegativeTopHeavyTopHeavyMultiply	Nikunj Chawla
151	Unit	Fraction	2	multiply	21	testNegativeTopHeavyNegativeBottomHeavyMultiply	Nikunj Chawla
152	Unit	Fraction	2	multiply	22	testNegativeTopHeavyNegativeTopHeavyMultiply	Nikunj Chawla
153	Unit	Fraction	2	multiply	23	testNegativeTopHeavyOneMultiply	Nikunj Chawla
154	Unit	Fraction	2	multiply	24	testNegativeTopHeavyZeroMultiply	Nikunj Chawla
155	Unit	Fraction	2	multiply	25	testOneBottomHeavyMultiply	Nikunj Chawla
156	Unit	Fraction	2	multiply	26	testOneTopHeavyMultiply	Nikunj Chawla
157	Unit	Fraction	2	multiply	27	testOneNegativeBottomHeavyMultiply	Nikunj Chawla
158	Unit	Fraction	2	multiply	28	testOneNegativeTopHeavyMultiply	Nikunj Chawla
159	Unit	Fraction	2	multiply	29	testOneOneMultiply	Nikunj Chawla
160	Unit	Fraction	2	multiply	30	testOneZeroMultiply	Nikunj Chawla
161	Unit	Fraction	2	multiply	31	testZeroBottomHeavyMultiply	Nikunj Chawla
162	Unit	Fraction	2	multiply	32	testZeroTopHeavyMultiply	Nikunj Chawla
163	Unit	Fraction	2	multiply	33	testZeroNegativeBottomHeavyMultiply	Nikunj Chawla
164	Unit	Fraction	2	multiply	34	testZeroNegativeTopHeavyMultiply	Nikunj Chawla
165	Unit	Fraction	2	multiply	35	testZeroOneMultiply	Nikunj Chawla
166	Unit	Fraction	2	multiply	36	testZeroZeroMultiply	Nikunj Chawla
167	Unit	Fraction	2	divide	1	testBottomHeavyBottomHeavyDivide	Nikunj Chawla
168	Unit	Fraction	2	divide	2	testBottomHeavyTopHeavyDivide	Nikunj Chawla
169	Unit	Fraction	2	divide	3	testBottomHeavyNegativeBottomHeavyDivide	Nikunj Chawla
170	Unit	Fraction	2	divide	4	testBottomHeavyNegativeTopHeavyDivide	Nikunj Chawla
171	Unit	Fraction	2	divide	5	testBottomHeavyOneDivide	Nikunj Chawla
172	Unit	Fraction	2	divide	6	testBottomHeavyZeroDivide	Nikunj Chawla
173	Unit	Fraction	2	divide	7	testTopHeavyBottomHeavyDivide	Nikunj Chawla
174	Unit	Fraction	2	divide	8	testTopHeavyTopHeavyDivide	Nikunj Chawla
175	Unit	Fraction	2	divide	9	testTopHeavyNegativeBottomHeavyDivide	Nikunj Chawla
176	Unit	Fraction	2	divide	10	testTopHeavyNegativeTopHeavyDivide	Nikunj Chawla
177	Unit	Fraction	2	divide	11	testTopHeavyOneDivide	Nikunj Chawla
178	Unit	Fraction	2	divide	12	testTopHeavyZeroDivide	Nikunj Chawla
179	Unit	Fraction	2	divide	13	testNegativeBottomHeavyBottomHeavyDivide	Nikunj Chawla
180	Unit	Fraction	2	divide	14	testNegativeBottomHeavyTopHeavyDivide	Nikunj Chawla
181	Unit	Fraction	2	divide	15	testNegativeBottomHeavyNegativeBottomHeavyDivide	Nikunj Chawla
182	Unit	Fraction	2	divide	16	testNegativeBottomHeavyNegativeTopHeavyDivide	Nikunj Chawla
183	Unit	Fraction	2	divide	17	testNegativeBottomHeavyOneDivide	Nikunj Chawla
184	Unit	Fraction	2	divide	18	testNegativeBottomHeavyZeroDivide	Nikunj Chawla
185	Unit	Fraction	2	divide	19	testNegativeTopHeavyBottomHeavyDivide	Nikunj Chawla
186	Unit	Fraction	2	divide	20	testNegativeTopHeavyTopHeavyDivide	Nikunj Chawla
187	Unit	Fraction	2	divide	21	testNegativeTopHeavyNegativeBottomHeavyDivide	Nikunj Chawla
188	Unit	Fraction	2	divide	22	testNegativeTopHeavyNegativeTopHeavyDivide	Nikunj Chawla
189	Unit	Fraction	2	divide	23	testNegativeTopHeavyOneDivide	Nikunj Chawla
190	Unit	Fraction	2	divide	24	testNegativeTopHeavyZeroDivide	Nikunj Chawla
191	Unit	Fraction	2	divide	25	testOneBottomHeavyDivide	Nikunj Chawla
192	Unit	Fraction	2	divide	26	testOneTopHeavyDivide	Nikunj Chawla
193	Unit	Fraction	2	divide	27	testOneNegativeBottomHeavyDivide	Nikunj Chawla
194	Unit	Fraction	2	divide	28	testOneNegativeTopHeavyDivide	Nikunj Chawla
195	Unit	Fraction	2	divide	29	testOneOneDivide	Nikunj Chawla
196	Unit	Fraction	2	divide	30	testOneZeroDivide	Nikunj Chawla
197	Unit	Fraction	2	divide	31	testZeroBottomHeavyDivide	Nikunj Chawla
198	Unit	Fraction	2	divide	32	testZeroTopHeavyDivide	Nikunj Chawla
199	Unit	Fraction	2	divide	33	testZeroNegativeBottomHeavyDivide	Nikunj Chawla

200	Unit	Fraction	2	divide	34	testZeroNegativeTopHeavyDivide	Nikunj Chawla
201	Unit	Fraction	2	divide	35	testZeroOneDivide	Nikunj Chawla
202	Unit	Fraction	2	divide	36	testZeroZeroDivide	Nikunj Chawla
203	Unit	Fraction	2	compare	1	testBottomHeavyBottomHeavyCompare	Nikunj Chawla
204	Unit	Fraction	2	compare	2	testBottomHeavyTopHeavyCompare	Nikunj Chawla
205	Unit	Fraction	2	compare	3	testBottomHeavyNegativeBottomHeavyCompare	Nikunj Chawla
206	Unit	Fraction	2	compare	4	testBottomHeavyNegativeTopHeavyCompare	Nikunj Chawla
207	Unit	Fraction	2	compare	5	testBottomHeavyOneCompare	Nikunj Chawla
208	Unit	Fraction	2	compare	6	testBottomHeavyZeroCompare	Nikunj Chawla
209	Unit	Fraction	2	compare	7	testTopHeavyBottomHeavyCompare	Nikunj Chawla
210	Unit	Fraction	2	compare	8	testTopHeavyTopHeavyCompare	Nikunj Chawla
211	Unit	Fraction	2	compare	9	testTopHeavyNegativeBottomHeavyCompare	Nikunj Chawla
212	Unit	Fraction	2	compare	10	testTopHeavyNegativeTopHeavyCompare	Nikunj Chawla
213	Unit	Fraction	2	compare	11	testTopHeavyOneCompare	Nikunj Chawla
214	Unit	Fraction	2	compare	12	testTopHeavyZeroCompare	Nikunj Chawla
215	Unit	Fraction	2	compare	13	testNegativeBottomHeavyBottomHeavyCompare	Nikunj Chawla
216	Unit	Fraction	2	compare	14	testNegativeBottomHeavyTopHeavyCompare	Nikunj Chawla
217	Unit	Fraction	2	compare	15	testNegativeBottomHeavyNegativeBottomHeavyCompare	Nikunj Chawla
218	Unit	Fraction	2	compare	16	testNegativeBottomHeavyNegativeTopHeavyCompare	Nikunj Chawla
219	Unit	Fraction	2	compare	17	testNegativeBottomHeavyOneCompare	Nikunj Chawla
220	Unit	Fraction	2	compare	18	testNegativeBottomHeavyZeroCompare	Nikunj Chawla
221	Unit	Fraction	2	compare	19	testNegativeTopHeavyBottomHeavyCompare	Nikunj Chawla
222	Unit	Fraction	2	compare	20	testNegativeTopHeavyTopHeavyCompare	Nikunj Chawla
223	Unit	Fraction	2	compare	21	testNegativeTopHeavyNegativeBottomHeavyCompare	Nikunj Chawla
224	Unit	Fraction	2	compare	22	testNegativeTopHeavyNegativeTopHeavyCompare	Nikunj Chawla
225	Unit	Fraction	2	compare	23	testNegativeTopHeavyOneCompare	Nikunj Chawla
226	Unit	Fraction	2	compare	24	testNegativeTopHeavyZeroCompare	Nikunj Chawla
227	Unit	Fraction	2	compare	25	testOneBottomHeavyCompare	Nikunj Chawla
228	Unit	Fraction	2	compare	26	testOneTopHeavyCompare	Nikunj Chawla
229	Unit	Fraction	2	compare	27	testOneNegativeBottomHeavyCompare	Nikunj Chawla
230	Unit	Fraction	2	compare	28	testOneNegativeTopHeavyCompare	Nikunj Chawla
231	Unit	Fraction	2	compare	29	testOneOneCompare	Nikunj Chawla
232	Unit	Fraction	2	compare	30	testOneZeroCompare	Nikunj Chawla
233	Unit	Fraction	2	compare	31	testZeroBottomHeavyCompare	Nikunj Chawla
234	Unit	Fraction	2	compare	32	testZeroTopHeavyCompare	Nikunj Chawla
235	Unit	Fraction	2	compare	33	testZeroNegativeBottomHeavyCompare	Nikunj Chawla
236	Unit	Fraction	2	compare	34	testZeroNegativeTopHeavyCompare	Nikunj Chawla
237	Unit	Fraction	2	compare	35	testZeroOneCompare	Nikunj Chawla
238	Unit	Fraction	2	compare	36	testZeroZeroCompare	Nikunj Chawla
239	Unit	Fraction	2	equals	1	testBottomHeavyIdentity	Nikunj Chawla
240	Unit	Fraction	2	equals	2	testTopHeavyIdentity	Nikunj Chawla
241	Unit	Fraction	2	equals	3	testOnelidentity	Nikunj Chawla
242	Unit	Fraction	2	equals	4	testNegativeBottomHeavyIdentity	Nikunj Chawla
243	Unit	Fraction	2	equals	5	testNegativeTopHeavyIdentity	Nikunj Chawla
244	Unit	Fraction	2	equals	6	testSameNumeratorDifferentDenominator	Nikunj Chawla
245	Unit	Fraction	2	equals	7	testDifferentNumeratorSameDenominator	Nikunj Chawla
246	Unit	Fraction	2	equals	8	testFractionAndNegativeForm	Nikunj Chawla
247	Unit	Fraction	2	toString	1	testPositiveFraction	Nikunj Chawla
248	Unit	Fraction	2	toString	2	testNegativeFraction	Nikunj Chawla
249	Unit	Pair	1	getKey	1	testTypicalGetKey	Nikunj Chawla
250	Unit	Pair	1	getKey	2	testObjectEqualityGetKey	Nikunj Chawla
251	Unit	Pair	1	getKey	3	testNullGetKey	Nikunj Chawla
252	Unit	Pair	1	getFirst	1	testTypicalGetFirst	Nikunj Chawla

253	Unit	Pair	1	getFirst	2	testObjectEqualityGetFirst	Nikunj Chawla
254	Unit	Pair	1	getFirst	3	testNullGetFirst	Nikunj Chawla
255	Unit	Pair	1	getValue	1	testTypicalGetValue	Nikunj Chawla
256	Unit	Pair	1	getValue	2	testObjectEqualityGetValue	Nikunj Chawla
257	Unit	Pair	1	getValue	3	testNullGetValue	Nikunj Chawla
258	Unit	Pair	1	getSecond	1	testTypicalGetSecond	Nikunj Chawla
259	Unit	Pair	1	getSecond	2	testObjectEqualityGetSecond	Nikunj Chawla
260	Unit	Pair	1	getSecond	3	testNullGetSecond	Nikunj Chawla
261	Unit	Pair	1	setValue	1	testTypicalSetValue	Nikunj Chawla
262	Unit	Pair	1	setValue	2	testToNullSetValue	Nikunj Chawla
263	Unit	Pair	1	setValue	3	testFromNullSetValue	Nikunj Chawla
264	Unit	Pair	1	setSecond	1	testTypicalSetVSecond	Nikunj Chawla
265	Unit	Pair	1	setSecond	2	testToNullSetSecond	Nikunj Chawla
266	Unit	Pair	1	setSecond	3	testFromNullSetSecond	Nikunj Chawla
267	Unit	Pair	1	toString	1	testTypical	Nikunj Chawla
268	Unit	Pair	1	toString	2	testNullKey	Nikunj Chawla
269	Unit	Pair	1	toString	3	testNullValue	Nikunj Chawla
270	Unit	TableFormatter	3	objColTableToStrRowTable	1	testEmptyTable	Nikunj Chawla
271	Unit	TableFormatter	3	objColTableToStrRowTable	2	testSingleItemTable	Nikunj Chawla
272	Unit	TableFormatter	3	objColTableToStrRowTable	3	testArbitraryTable	Nikunj Chawla
273	Unit	TableFormatter	3	getColumnLengths	1	testEmptyTable	Nikunj Chawla
274	Unit	TableFormatter	3	getColumnLengths	2	testSingleItemTable	Nikunj Chawla
275	Unit	TableFormatter	3	getColumnLengths	3	testArbitraryTable	Nikunj Chawla
276	Unit	TableFormatter	3	getTableFormat	1	testEmptyTable	Nikunj Chawla
277	Unit	TableFormatter	3	getTableFormat	2	testLeftAlignedSingleColumnTable	Nikunj Chawla
278	Unit	TableFormatter	3	getTableFormat	3	testRightAlignedSingleColumnTable	Nikunj Chawla
279	Unit	TableFormatter	3	getTableFormat	4	testArbitraryAlignedColumnsTable	Nikunj Chawla
280	Unit	TableFormatter	3	getHorizontalDivider	1	testEmptyTable	Nikunj Chawla
281	Unit	TableFormatter	3	getHorizontalDivider	2	testingZeroWidthColumnTable	Nikunj Chawla
282	Unit	TableFormatter	3	getHorizontalDivider	3	testingMultipleZeroWidthColumnsTable	Nikunj Chawla
283	Unit	TableFormatter	3	getHorizontalDivider	4	testingNegativeWidthColumnTable	Nikunj Chawla
284	Unit	TableFormatter	3	getHorizontalDivider	5	testArbitraryColumnTable	Nikunj Chawla
285	Unit	TableFormatter	3	formatAsTable	1	testNullHeader	Nikunj Chawla
286	Unit	TableFormatter	3	formatAsTable	2	testNullTable	Nikunj Chawla
287	Unit	TableFormatter	3	formatAsTable	3	testNullAlignments	Nikunj Chawla
288	Unit	TableFormatter	3	formatAsTable	4	testUndersizedHeader	Nikunj Chawla
289	Unit	TableFormatter	3	formatAsTable	5	testOversizedHeader	Nikunj Chawla
290	Unit	TableFormatter	3	formatAsTable	6	testUndersizedNumColumns	Nikunj Chawla
291	Unit	TableFormatter	3	formatAsTable	7	testOversizedNumColumns	Nikunj Chawla
292	Unit	TableFormatter	3	formatAsTable	8	testUndersizedAlignments	Nikunj Chawla
293	Unit	TableFormatter	3	formatAsTable	9	testLeftAlignment	Nikunj Chawla
294	Unit	TableFormatter	3	formatAsTable	10	testRightAlignment	Nikunj Chawla
295	Unit	TableFormatter	3	formatAsTable	11	testLeftRightAlignment	Nikunj Chawla
296	Unit	TableFormatter	3	formatAsTable	12	testAlternateSymbols	Nikunj Chawla
297	Unit	VotingSystemRunner	5	getFullFilePath	1	testProjectDirectory	Nikunj Chawla
298	Unit	VotingSystemRunner	5	getFullFilePath	2	testHomeDirectory	Nikunj Chawla
299	Unit	VotingSystemRunner	5	getFullFilePath	3	testAbsolutePath	Nikunj Chawla
300	Unit	VotingSystemRunner	5	getFileInputStream	1	testValidFilePath	Nikunj Chawla
301	Unit	VotingSystemRunner	5	getFileInputStream	2	testInvalidPath	Nikunj Chawla
302	Unit	VotingSystemRunner	5	getFileInputStream	3	testValidDirectoryPath	Nikunj Chawla
303	Unit	VotingSystemRunner	5	generateTimestampedFileName	1	testTypicalDate	Nikunj Chawla
304	Unit	VotingSystemRunner	5	generateTimestampedFileName	2	testZeroPadding	Nikunj Chawla
305	Unit	VotingSystemRunner	5	generateTimestampedFileName	3	testLowTimestamp	Nikunj Chawla

306	Unit	VotingSystemRunner	5	generateTimestampedFileName	4	testHighTimestamp	Nikunj Chawla
307	Unit	VotingSystemRunner	5	getFileOutputStream	1	testExistingFilePath	Nikunj Chawla
308	Unit	VotingSystemRunner	5	getFileOutputStream	2	testNonexistentPath	Nikunj Chawla
309	Unit	VotingSystemRunner	5	getFileOutputStream	3	testExistingDirectoryPath	Nikunj Chawla
310	Unit	Pair	1	throwParseException	1	testThrows	Nikunj Chawla
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315	Unit	Ballot	8	getBallotNumber	1	testTypical	Nikunj Chawla
316	Unit	Ballot	8	getRankedCandidates	1	testTypical	Nikunj Chawla
317	Unit	Ballot	8	getNextCandidate	1	testSuccessive	Nikunj Chawla
318	Unit	Ballot	8	toString	1	testTypical	Nikunj Chawla
319	Unit	Ballot	8	equals	1	testEqual	Nikunj Chawla
320	Unit	Ballot	8	equals	2	testDifferentPositions	Nikunj Chawla
321	Unit	Ballot	8	equals	3	testDifferentCandidates	Nikunj Chawla
322	Unit	Ballot	8	equals	4	testDifferentBallotNumbers	Nikunj Chawla
323	Unit	InstantRunoffSystem	7	InstantRunoffSystem	1	testTypical	Nikunj Chawla
324	Unit	InstantRunoffSystem	7	InstantRunoffSystem	2	testNullReportOutput	Nikunj Chawla
325	Unit	InstantRunoffSystem	7	InstantRunoffSystem	3	testNullAuditOutput	Nikunj Chawla
326	Unit	InstantRunoffSystem	7	getCandidateHeaderSize	1	testSize	Nikunj Chawla
327	Unit	InstantRunoffSystem	7	getBallotHeaderSize	1	testSize	Nikunj Chawla
328	Unit	InstantRunoffSystem	7	importCandidatesHeader	1	testNonpositive	Nikunj Chawla
329	Unit	InstantRunoffSystem	7	importCandidatesHeader	2	testNonnumerical	Nikunj Chawla
330	Unit	InstantRunoffSystem	7	importCandidatesHeader	3	testValid	Nikunj Chawla
331	Unit	InstantRunoffSystem	7	addCandidates	1	testMissingParentheses	Nikunj Chawla
332	Unit	InstantRunoffSystem	7	addCandidates	2	testExtraText	Nikunj Chawla
333	Unit	InstantRunoffSystem	7	addCandidates	3	testValidRegular	Nikunj Chawla
334	Unit	InstantRunoffSystem	7	addCandidates	4	testValidWhitespace	Nikunj Chawla
335	Unit	InstantRunoffSystem	7	importBallotsHeader	1	testNegative	Nikunj Chawla
336	Unit	InstantRunoffSystem	7	importBallotsHeader	2	testNonnumerical	Nikunj Chawla
337	Unit	InstantRunoffSystem	7	importBallotsHeader	3	testZero	Nikunj Chawla
338	Unit	InstantRunoffSystem	7	importBallotsHeader	4	testPositive	Nikunj Chawla
339	Unit	InstantRunoffSystem	7	addBallot	1	testNotEnoughValues	Nikunj Chawla
340	Unit	InstantRunoffSystem	7	addBallot	2	testNoRankings	Nikunj Chawla
341	Unit	InstantRunoffSystem	7	addBallot	3	testNoninteger	Nikunj Chawla
342	Unit	InstantRunoffSystem	7	addBallot	4	testBelowRange	Nikunj Chawla
343	Unit	InstantRunoffSystem	7	addBallot	5	testAboveRange	Nikunj Chawla
344	Unit	InstantRunoffSystem	7	addBallot	6	testSkipped	Nikunj Chawla
345	Unit	InstantRunoffSystem	7	addBallot	7	testStartSkipped	Nikunj Chawla
346	Unit	InstantRunoffSystem	7	addBallot	8	testAllRanked	Nikunj Chawla
347	Unit	InstantRunoffSystem	7	addBallot	9	testPartialRanked	Nikunj Chawla
348	Unit	InstantRunoffSystem	7	getName	1	testName	Nikunj Chawla
349	Unit	InstantRunoffSystem	7	getShortName	1	testShortName	Nikunj Chawla
350	Unit	InstantRunoffSystem	7	toString	1	testString	Nikunj Chawla
351	Unit	OpenPartyListSystem	9	OpenPartyListSystem	1	testTypical	Nikunj Chawla
352	Unit	OpenPartyListSystem	9	OpenPartyListSystem	2	testNullReportOutput	Nikunj Chawla
353	Unit	OpenPartyListSystem	9	OpenPartyListSystem	3	testNullAuditOutput	Nikunj Chawla
354	Unit	OpenPartyListSystem	9	getCandidateHeaderSize	1	testSize	Nikunj Chawla
355	Unit	OpenPartyListSystem	9	getBallotHeaderSize	1	testSize	Nikunj Chawla
356	Unit	OpenPartyListSystem	9	importCandidatesHeader	1	testNonpositive	Nikunj Chawla
357	Unit	OpenPartyListSystem	9	importCandidatesHeader	2	testNonnumerical	Nikunj Chawla
358	Unit	OpenPartyListSystem	9	importCandidatesHeader	3	testValid	Nikunj Chawla

359	Unit	OpenPartyListSystem	9	addCandidates	1	testMissingBrackets	Nikunj Chawla
360	Unit	OpenPartyListSystem	9	addCandidates	2	testValidRegular	Nikunj Chawla
361	Unit	OpenPartyListSystem	9	addCandidates	3	testValidWhitespace	Nikunj Chawla
362	Unit	OpenPartyListSystem	9	importBallotsHeader	1	testNegativeBallots	Nikunj Chawla
363	Unit	OpenPartyListSystem	9	importBallotsHeader	2	testNonnumericalBallots	Nikunj Chawla
364	Unit	OpenPartyListSystem	9	importBallotsHeader	3	testNegativeSeats	Nikunj Chawla
365	Unit	OpenPartyListSystem	9	importBallotsHeader	4	testNonnumericalSeats	Nikunj Chawla
366	Unit	OpenPartyListSystem	9	importBallotsHeader	5	testZero	Nikunj Chawla
367	Unit	OpenPartyListSystem	9	importBallotsHeader	6	testPositive	Nikunj Chawla
368	Unit	OpenPartyListSystem	9	addBallot	1	testNotEnoughValues	Nikunj Chawla
369	Unit	OpenPartyListSystem	9	addBallot	2	testNoRankings	Nikunj Chawla
370	Unit	OpenPartyListSystem	9	addBallot	3	testNotOne	Nikunj Chawla
371	Unit	OpenPartyListSystem	9	addBallot	4	testNoninteger	Nikunj Chawla
372	Unit	OpenPartyListSystem	9	addBallot	5	testMultipleRankings	Nikunj Chawla
373	Unit	OpenPartyListSystem	9	addBallot	6	testMultipleOnes	Nikunj Chawla
374	Unit	OpenPartyListSystem	9	addBallot	7	testValidBallot	Nikunj Chawla
375	Unit	OpenPartyListSystem	9	getName	1	testName	Nikunj Chawla
376	Unit	OpenPartyListSystem	9	getShortName	1	testShortName	Nikunj Chawla
377	Unit	OpenPartyListSystem	9	toString	1	testString	Nikunj Chawla
378	Unit	OpenPartyListSystem	9	allocateInitialSeats	1	testAllocateInitialSeatsTypical	Aaron Kandikatla
379	Unit	OpenPartyListSystem	9	allocateInitialSeats	2	testAllocateInitialSeatsTypicalOutput	Aaron Kandikatla
380	Unit	OpenPartyListSystem	9	allocateInitialSeats	3	testAllocateInitialSeatsSingleCandidateHasAllVotes	Aaron Kandikatla
381	Unit	OpenPartyListSystem	9	allocateInitialSeats	4	testAllocateInitialSeatsSingleCandidateHasAllVotesOutput	Aaron Kandikatla
382	Unit	OpenPartyListSystem	9	allocateInitialSeats	5	testAllocateInitialSeatsBallotsNotEvenlyDivisibleByQuota	Aaron Kandikatla
383	Unit	OpenPartyListSystem	9	allocateRemainingSeats	1	testAllocateRemainingSeatsTypical	Aaron Kandikatla
384	Unit	OpenPartyListSystem	9	allocateRemainingSeats	2	testAllocateRemainingSeatsSingleCandidateHasAllVotes	Aaron Kandikatla
385	Unit	OpenPartyListSystem	9	allocateRemainingSeats	3	allocateRemainingSeatsMoreSeatsThanCandidates	Aaron Kandikatla
386	Unit	OpenPartyListSystem	9	allocateRemainingSeats	4	allocateRemainingSeatsMoreSeatsThanCandidatesOutput	Aaron Kandikatla
387	Unit	OpenPartyListSystem	9	distributeSeatsToCandidates	1	testDistributeSeatsToCandidatesTypical	Aaron Kandikatla
388	Unit	OpenPartyListSystem	9	distributeSeatsToCandidates	2	testDistributeSeatsToCandidatesTieBreaks	Aaron Kandikatla
389	Unit	OpenPartyListSystem	9	printSummaryTable	1	testPrintSummaryTable	Aaron Kandikatla
390	Unit	OpenPartyListSystem	9	getRemainingBallots	1	testGetRemainingBallotsNoSeats	Aaron Kandikatla
391	Unit	OpenPartyListSystem	9	getRemainingBallots	2	testGetRemainingBallotsWholeNumber	Aaron Kandikatla
392	Unit	OpenPartyListSystem	9	getRemainingBallots	3	testGetRemainingBallotsDecimalNumber	Aaron Kandikatla
393	Unit	InstantRunoffSystem	7	getLowestHighestCandidates	1	testGetLowestHighestCandidatesSingleHighestSingleLowest	Aaron Kandikatla
394	Unit	InstantRunoffSystem	7	getLowestHighestCandidates	2	testGetLowestHighestCandidatesMultipleLowest	Jack Fornaro
395	Unit	InstantRunoffSystem	7	getLowestHighestCandidates	3	testGetLowestHighestCandidatesMultipleHighest	Jack Fornaro
396	Unit	InstantRunoffSystem	7	eliminateLowest	1	testEliminateLowest	Jack Fornaro
397	Unit	InstantRunoffSystem	7	eliminateLowest	2	testEliminateLowestOutput	Aaron Kandikatla
398	Unit	OpenPartyListSystem	7	runElection	1	runElectionTypical	Aaron Kandikatla
399	Unit	Pair	1	equals	1	testTypical	Nikunj Chawla
400	Unit	Pair	1	equals	2	testNullKey	Nikunj Chawla
401	Unit	Pair	1	equals	3	testNullValue	Nikunj Chawla
402	Unit	Pair	1	equals	4	testSameKeys	Nikunj Chawla
403	Unit	Pair	1	equals	5	testSameValues	Nikunj Chawla
404	Unit	TableFormatter	3	formatAsTable	13	testEmpty	Nikunj Chawla
405	Unit	TableFormatter	3	formatAsTable	14	testSingle	Nikunj Chawla
406	Unit	TableFormatter	3	formatAsTable	14	testOversizedAlignments	Nikunj Chawla
407	Unit	OpenPartyListSystem	9	addCandidates	5	testExtraText	Nikunj Chawla
408	Unit	OpenPartyListSystem	9	runElection	2	runElectionMoreSeatsThanCandidates	Aaron Kandikatla
409	Unit	InstantRunoffSystem	7	runElection	1	testRunElection	Aaron Kandikatla
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