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2	nonogram.py	22

1 Basic Test Results

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1 Thu Jun 11 09:02:14 IDT 2020
2 Process Process-49:
3 Traceback (most recent call last):
4   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
5     self.run()
6   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
7     self._target(*self._args, **self._kwargs)
8   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
9     res=target(*args, **kwargs)
10  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
11    code,res = peel(runners, modulename, fname, args, kwargs)
12  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
13    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
14  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
15    code,res = peel(runners, modulename, fname, args, kwargs)
16  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
17    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
18  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
19    return None,func(*args, **kwargs)
20  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 131, in get_intersection_row
21    result.append(the_rows[i][0])
22 IndexError: list index out of range
23 Process Process-339:
24 Traceback (most recent call last):
25   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
26     self.run()
27   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
28     self._target(*self._args, **self._kwargs)
29   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
30     res=target(*args, **kwargs)
31  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
32    code,res = peel(runners, modulename, fname, args, kwargs)
33  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
34    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
35  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
36    code,res = peel(runners, modulename, fname, args, kwargs)
37  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
38    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
39  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
40    return None,func(*args, **kwargs)
41  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
42    return int(binom_n_k(n, k))
43  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
44    return f(n) / f(k) / f(n-k)
45 OverflowError: integer division result too large for a float
46 Process Process-340:
47 Traceback (most recent call last):
48   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
49     self.run()
50   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
51     self._target(*self._args, **self._kwargs)
52   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
53     res=target(*args, **kwargs)
54  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
55    code,res = peel(runners, modulename, fname, args, kwargs)
56  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
57    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
58  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
59    code,res = peel(runners, modulename, fname, args, kwargs)
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60 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
61     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
62 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
63     return None,func(*args, **kwargs)
64 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
65     return int(binom_n_k(n, k))
66 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
67     return f(n) / f(k) / f(n-k)
68 OverflowError: integer division result too large for a float
69 Process Process-341:
70 Traceback (most recent call last):
71   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
72     self.run()
73   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
74     self._target(*self._args, **self._kwargs)
75   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
76     res=target(*args, **kwargs)
77   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
78     code,res = peel(runners, modulename, fname, args, kwargs)
79   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
80     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
81   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
82     code,res = peel(runners, modulename, fname, args, kwargs)
83   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
84     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
85   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
86     return None,func(*args, **kwargs)
87   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
88     return int(binom_n_k(n, k))
89   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
90     return f(n) / f(k) / f(n-k)
91 OverflowError: integer division result too large for a float
92 Process Process-342:
93 Traceback (most recent call last):
94   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
95     self.run()
96   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
97     self._target(*self._args, **self._kwargs)
98   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
99     res=target(*args, **kwargs)
100   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
101     code,res = peel(runners, modulename, fname, args, kwargs)
102   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
103     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
104   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
105     code,res = peel(runners, modulename, fname, args, kwargs)
106   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
107     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
108   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
109     return None,func(*args, **kwargs)
110   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
111     return int(binom_n_k(n, k))
112   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
113     return f(n) / f(k) / f(n-k)
114 OverflowError: integer division result too large for a float
115 Process Process-343:
116 Traceback (most recent call last):
117   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
118     self.run()
119   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
120     self._target(*self._args, **self._kwargs)
121   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
122     res=target(*args, **kwargs)
123   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
124     code,res = peel(runners, modulename, fname, args, kwargs)
125   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
126     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
127   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args

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128     code,res = peel(runners, modulename, fname, args, kwargs)
129 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
130     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
131 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
132     return None,func(*args, **kwargs)
133 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
134     return int(binom_n_k(n, k))
135 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
136     return f(n) / f(k) / f(n-k)
137 OverflowError: integer division result too large for a float
138 Process Process-344:
139 Traceback (most recent call last):
140   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
141     self.run()
142   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
143     self._target(*self._args, **self._kwargs)
144   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
145     res=target(*args, **kwargs)
146   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
147     code,res = peel(runners, modulename, fname, args, kwargs)
148   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
149     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
150   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
151     code,res = peel(runners, modulename, fname, args, kwargs)
152   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
153     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
154   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
155     return None,func(*args, **kwargs)
156   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
157     return int(binom_n_k(n, k))
158   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
159     return f(n) / f(k) / f(n-k)
160 OverflowError: integer division result too large for a float
161 Process Process-345:
162 Traceback (most recent call last):
163   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
164     self.run()
165   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
166     self._target(*self._args, **self._kwargs)
167   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
168     res=target(*args, **kwargs)
169   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
170     code,res = peel(runners, modulename, fname, args, kwargs)
171   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
172     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
173   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
174     code,res = peel(runners, modulename, fname, args, kwargs)
175   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
176     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
177   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
178     return None,func(*args, **kwargs)
179 TypeError: count_row_variations() takes 2 positional arguments but 3 were given
180 Process Process-346:
181 Traceback (most recent call last):
182   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
183     self.run()
184   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
185     self._target(*self._args, **self._kwargs)
186   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
187     res=target(*args, **kwargs)
188   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
189     code,res = peel(runners, modulename, fname, args, kwargs)
190   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
191     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
192   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
193     code,res = peel(runners, modulename, fname, args, kwargs)
194   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
195     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])

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196     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
197         return None,func(*args, **kwargs)
198 TypeError: count_row_variations() takes 2 positional arguments but 3 were given
199 Process Process-347:
200 Traceback (most recent call last):
201     File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
202         self.run()
203     File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
204         self._target(*self._args, **self._kwargs)
205     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
206         res=target(*args, **kwargs)
207     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
208         code,res = peel(runners, modulename, fname, args, kwargs)
209     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
210         return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
211     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
212         code,res = peel(runners, modulename, fname, args, kwargs)
213     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
214         return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
215     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
216         return None,func(*args, **kwargs)
217 TypeError: count_row_variations() takes 2 positional arguments but 3 were given
218 Process Process-348:
219 Traceback (most recent call last):
220     File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
221         self.run()
222     File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
223         self._target(*self._args, **self._kwargs)
224     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
225         res=target(*args, **kwargs)
226     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
227         code,res = peel(runners, modulename, fname, args, kwargs)
228     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
229         return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
230     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
231         code,res = peel(runners, modulename, fname, args, kwargs)
232     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
233         return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
234     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
235         return None,func(*args, **kwargs)
236 TypeError: count_row_variations() takes 2 positional arguments but 3 were given
237 Process Process-349:
238 Traceback (most recent call last):
239     File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
240         self.run()
241     File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
242         self._target(*self._args, **self._kwargs)
243     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
244         res=target(*args, **kwargs)
245     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
246         code,res = peel(runners, modulename, fname, args, kwargs)
247     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
248         return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
249     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
250         code,res = peel(runners, modulename, fname, args, kwargs)
251     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
252         return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
253     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
254         return None,func(*args, **kwargs)
255 TypeError: count_row_variations() takes 2 positional arguments but 3 were given
256 Process Process-350:
257 Traceback (most recent call last):
258     File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
259         self.run()
260     File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
261         self._target(*self._args, **self._kwargs)
262     File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
263         res=target(*args, **kwargs)

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264 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
265     code,res = peel(runners, modulename, fname, args, kwargs)
266 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
267     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
268 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
269     code,res = peel(runners, modulename, fname, args, kwargs)
270 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
271     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
272 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
273     return None,func(*args, **kwargs)
274 TypeError: count_row_variations() takes 2 positional arguments but 3 were given
275 Process Process-351:
276 Traceback (most recent call last):
277   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
278     self.run()
279   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
280     self._target(*self._args, **self._kwargs)
281   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
282     res=target(*args, **kwargs)
283   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
284     code,res = peel(runners, modulename, fname, args, kwargs)
285   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
286     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
287   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
288     code,res = peel(runners, modulename, fname, args, kwargs)
289   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
290     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
291   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
292     return None,func(*args, **kwargs)
293 TypeError: count_row_variations() takes 2 positional arguments but 3 were given
294 Process Process-352:
295 Traceback (most recent call last):
296   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
297     self.run()
298   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
299     self._target(*self._args, **self._kwargs)
300   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
301     res=target(*args, **kwargs)
302   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
303     code,res = peel(runners, modulename, fname, args, kwargs)
304   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
305     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
306   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
307     code,res = peel(runners, modulename, fname, args, kwargs)
308   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
309     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
310   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
311     return None,func(*args, **kwargs)
312 TypeError: count_row_variations() takes 2 positional arguments but 3 were given
313 Process Process-353:
314 Traceback (most recent call last):
315   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
316     self.run()
317   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
318     self._target(*self._args, **self._kwargs)
319   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
320     res=target(*args, **kwargs)
321   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
322     code,res = peel(runners, modulename, fname, args, kwargs)
323   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
324     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
325   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
326     code,res = peel(runners, modulename, fname, args, kwargs)
327   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
328     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
329   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
330     return None,func(*args, **kwargs)
331 TypeError: count_row_variations() takes 2 positional arguments but 3 were given

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332 Process Process-354:
333 Traceback (most recent call last):
334   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
335     self.run()
336   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
337     self._target(*self._args, **self._kwargs)
338   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
339     res=target(*args, **kwargs)
340   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
341     code,res = peel(runners, modulename, fname, args, kwargs)
342   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
343     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
344   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
345     code,res = peel(runners, modulename, fname, args, kwargs)
346   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
347     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
348   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
349     return None,func(*args, **kwargs)
350 TypeError: count_row_variations() takes 2 positional arguments but 3 were given
351 Process Process-596:
352 Traceback (most recent call last):
353   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
354     self.run()
355   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
356     self._target(*self._args, **self._kwargs)
357   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
358     res=target(*args, **kwargs)
359   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
360     code,res = peel(runners, modulename, fname, args, kwargs)
361   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
362     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
363   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
364     code,res = peel(runners, modulename, fname, args, kwargs)
365   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
366     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
367   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
368     return None,func(*args, **kwargs)
369   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
370     return int(binom_n_k(n, k))
371   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
372     return f(n) / f(k) / f(n-k)
373 OverflowError: integer division result too large for a float
374 Process Process-597:
375 Traceback (most recent call last):
376   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
377     self.run()
378   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
379     self._target(*self._args, **self._kwargs)
380   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
381     res=target(*args, **kwargs)
382   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
383     code,res = peel(runners, modulename, fname, args, kwargs)
384   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
385     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
386   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
387     code,res = peel(runners, modulename, fname, args, kwargs)
388   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
389     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
390   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
391     return None,func(*args, **kwargs)
392   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
393     return int(binom_n_k(n, k))
394   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
395     return f(n) / f(k) / f(n-k)
396 OverflowError: integer division result too large for a float
397 Process Process-598:
398 Traceback (most recent call last):
399   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap

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400     self.run()
401 File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
402     self._target(*self._args, **self._kwargs)
403 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
404     res=target(*args, **kwargs)
405 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
406     code,res = peel(runners, modulename, fname, args, kwargs)
407 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
408     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
409 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
410     code,res = peel(runners, modulename, fname, args, kwargs)
411 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
412     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
413 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
414     return None,func(*args, **kwargs)
415 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
416     return int(binom_n_k(n, k))
417 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
418     return f(n) / f(k) / f(n-k)
419 OverflowError: integer division result too large for a float
420 Process Process-599:
421 Traceback (most recent call last):
422   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
423     self.run()
424   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
425     self._target(*self._args, **self._kwargs)
426   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
427     res=target(*args, **kwargs)
428   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
429     code,res = peel(runners, modulename, fname, args, kwargs)
430   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
431     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
432   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
433     code,res = peel(runners, modulename, fname, args, kwargs)
434   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
435     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
436   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
437     return None,func(*args, **kwargs)
438   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
439     return int(binom_n_k(n, k))
440   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
441     return f(n) / f(k) / f(n-k)
442 OverflowError: integer division result too large for a float
443 Process Process-600:
444 Traceback (most recent call last):
445   File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
446     self.run()
447   File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
448     self._target(*self._args, **self._kwargs)
449   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
450     res=target(*args, **kwargs)
451   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
452     code,res = peel(runners, modulename, fname, args, kwargs)
453   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
454     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
455   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
456     code,res = peel(runners, modulename, fname, args, kwargs)
457   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
458     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
459   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
460     return None,func(*args, **kwargs)
461   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
462     return int(binom_n_k(n, k))
463   File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
464     return f(n) / f(k) / f(n-k)
465 OverflowError: integer division result too large for a float
466 Process Process-601:
467 Traceback (most recent call last):

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468 File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
469     self.run()
470 File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
471     self._target(*self._args, **self._kwargs)
472 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
473     res=target(*args, **kwargs)
474 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
475     code,res = peel(runners, modulename, fname, args, kwargs)
476 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
477     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
478 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
479     code,res = peel(runners, modulename, fname, args, kwargs)
480 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
481     return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
482 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
483     return None,func(*args, **kwargs)
484 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
485     return int(binom_n_k(n, k))
486 File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
487     return f(n) / f(k) / f(n-k)
488 OverflowError: integer division result too large for a float
489 Thu Jun 11 09:02:14 IDT 2020
490 Archive: /tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/submission
491 inflating: src/nonogram.py
492 5 passed tests out of 5 in test set named 'presubmit'.
493 result_code    presubmit    5    1
494 --> BEGIN TEST INFORMATION
495 Test name: variations_0_0
496 Module tested: nonogram
497 Function call: get_row_variations([],[])
498 Expected return value: [[]]
499 More test options: {}
500 --> END TEST INFORMATION
501 *****
502 *****          There is a problem:
503 *****          The test named 'variations_0_0' failed.
504 *****
505 Wrong result, input: [[], []]:
506 expected: [[]]
507 actual:    None
508 result_code    variations_0_0    wrong    1
509 --> BEGIN TEST INFORMATION
510 Test name: variations_0_1
511 Module tested: nonogram
512 Function call: get_row_variations([], [1])
513 Expected return value: []
514 More test options: {}
515 --> END TEST INFORMATION
516 *****
517 *****          There is a problem:
518 *****          The test named 'variations_0_1' failed.
519 *****
520 Wrong result, input: [[], [1]]:
521 expected: []
522 actual:    None
523 result_code    variations_0_1    wrong    1
524 --> BEGIN TEST INFORMATION
525 Test name: variations_0_2
526 Module tested: nonogram
527 Function call: get_row_variations([], [1, 2])
528 Expected return value: []
529 More test options: {}
530 --> END TEST INFORMATION
531 *****
532 *****          There is a problem:
533 *****          The test named 'variations_0_2' failed.
534 *****
535 Wrong result, input: [[], [1, 2]]:

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536 expected: []
537 actual: None
538 result_code variations_0_2 wrong 1
539 --> BEGIN TEST INFORMATION
540 Test name: variations_1_11
541 Module tested: nonogram
542 Function call: get_row_variations([-1],[1, 1])
543 Expected return value: []
544 More test options: {}
545 --> END TEST INFORMATION
546 *****
547 ***** There is a problem:
548 ***** The test named 'variations_1_11' failed.
549 *****
550 Wrong result, input: [[-1], [1, 1]]:
551 expected: []
552 actual: None
553 result_code variations_1_11 wrong 1
554 --> BEGIN TEST INFORMATION
555 Test name: variations_1_2
556 Module tested: nonogram
557 Function call: get_row_variations([-1],[2])
558 Expected return value: []
559 More test options: {}
560 --> END TEST INFORMATION
561 *****
562 ***** There is a problem:
563 ***** The test named 'variations_1_2' failed.
564 *****
565 Wrong result, input: [[-1], [2]]:
566 expected: []
567 actual: None
568 result_code variations_1_2 wrong 1
569 35 passed tests out of 40 in test set named 'variations'.
570 result_code variations 35 1
571 --> BEGIN TEST INFORMATION
572 Test name: intersection_0
573 Module tested: nonogram
574 Function call: get_intersection_row([], [], [], [], [], [], [], [], [], [])
575 Expected return value: []
576 More test options: {}
577 --> END TEST INFORMATION
578 *****
579 ***** There is a problem:
580 ***** The test named 'intersection_0' failed.
581 *****
582 Test did not complete, exited with exitcode 1.
583 This probably means your code caused an exception to be raised.
584 result_code intersection_0 exception 1
585 12 passed tests out of 13 in test set named 'intersection'.
586 result_code intersection 12 1
587 30 passed tests out of 30 in test set named 'solveeasy'.
588 result_code solveeasy 30 1
589 5 passed tests out of 5 in test set named 'solvehardbasic'.
590 result_code solvehardbasic 5 1
591 --> BEGIN TEST INFORMATION
592 Test name: solvehardbonus_a
593 Module tested: nonogram
594 Function call: solve_nonogram([[[1], [1]], [[2], [1]]])
595 Expected return value: []
596 More test options: {}
597 --> END TEST INFORMATION
598 *****
599 ***** There is a problem:
600 ***** The test named 'solvehardbonus_a' failed.
601 *****
602 Test timed out and did not complete.
603 Timeout limit was 4 seconds.

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604 You may have an infinite loop or a big inefficiency.
605 result_code solvehardbonus_a timeout 1
606 --> BEGIN TEST INFORMATION
607 Test name: solvehardbonus_c
608 Module tested: nonogram
609 Function call: solve_nonogram([[1, 1], [1, 1], [1], [1, 1], [1, 1]], [[1, 1], [1, 1], [1], [1, 1], [1, 1]])
610 Expected return value: [[0, 0, 1, 0, 1], [0, 1, 0, 1, 0], [1, 0, 0, 0, 0], [0, 1, 0, 0, 1], [1, 0, 0, 1, 0]], [[0, 0, 1, 0, 1], [0, 1, 0, 1, 0], [1, 0, 0, 0, 0], [0, 1, 0, 0, 1], [1, 0, 0, 1, 0]]
611 More test options: {}
612 --> END TEST INFORMATION
613 *****
614 ***** There is a problem:
615 ***** The test named 'solvehardbonus_c' failed.
616 *****
617 Wrong result, input: [[[1, 1], [1, 1], [1], [1, 1], [1, 1]], [[1, 1], [1, 1], [1], [1, 1], [1, 1]]]:
618 expected: [[0, 0, 1, 0, 1], [0, 1, 0, 1, 0], [1, 0, 0, 0, 0], [0, 1, 0, 0, 1], [1, 0, 0, 1, 0]], [[0, 0, 1, 0, 1], [0, 1, 0, 1, 0], [1, 0, 0, 0, 0], [0, 1, 0, 0, 1], [1, 0, 0, 1, 0]]
619 actual: [[[1, 0, 1, 0, 0], [1, 0, 1, 0, 0], [1, 0, 0, 0, 0], [1, 0, 1, 0, 0], [1, 0, 0, 1, 0]], [[1, 0, 1, 0, 0], [1, 0, 1, 0, 0], [1, 0, 0, 0, 0], [1, 0, 1, 0, 0], [1, 0, 0, 1, 0]]]
620 result_code solvehardbonus_c wrong 1
621 --> BEGIN TEST INFORMATION
622 Test name: solvehardbonus_4x6
623 Module tested: nonogram
624 Function call: solve_nonogram([[1], [2], [2], [2], [1], [1]], [[2], [2], [2], [3]])
625 Expected return value: [[1, 0, 0, 0], [1, 1, 0, 0], [0, 1, 1, 0], [0, 0, 1, 1], [0, 0, 0, 1], [0, 0, 0, 1]]
626 More test options: {}
627 --> END TEST INFORMATION
628 *****
629 ***** There is a problem:
630 ***** The test named 'solvehardbonus_4x6' failed.
631 *****
632 Wrong result, input: [[[1], [2], [2], [2], [1], [1]], [[2], [2], [2], [3]]]:
633 expected: [[1, 0, 0, 0], [1, 1, 0, 0], [0, 1, 1, 0], [0, 0, 1, 1], [0, 0, 0, 1], [0, 0, 0, 1]]
634 actual: [[[1, 0, 0, 0], [1, 1, 0, 0], [1, 1, 0, 0], [1, 1, 0, 0], [1, 0, 0, 0], [0, 1, 0, 0]], [[1, 0, 0, 0], [1, 1, 0, 0], [1, 1, 0, 0], [1, 1, 0, 0], [1, 0, 0, 0], [0, 1, 0, 0]]]
635 result_code solvehardbonus_4x6 wrong 1
636 1 passed tests out of 4 in test set named 'solvehardbonus'.
637 result_code solvehardbonus 1 1
638 --> BEGIN TEST INFORMATION
639 Test name: countbasic_88a14
640 Module tested: nonogram
641 Function call: count_row_variations(88,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
642 Expected return value: 560658857389200
643 More test options: {}
644 --> END TEST INFORMATION
645 *****
646 ***** There is a problem:
647 ***** The test named 'countbasic_88a14' failed.
648 *****
649 Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
650 expected: 560658857389200
651 actual: 560658857389199
652 result_code countbasic_88a14 wrong 1
653 --> BEGIN TEST INFORMATION
654 Test name: countbasic_88a20
655 Module tested: nonogram
656 Function call: count_row_variations(88,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
657 Expected return value: 115631859759041340
658 More test options: {}
659 --> END TEST INFORMATION
660 *****
661 ***** There is a problem:
662 ***** The test named 'countbasic_88a20' failed.
663 *****
664 Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
665 expected: 115631859759041340
666 actual: 115631859759041344
667 result_code countbasic_88a20 wrong 1
668 --> BEGIN TEST INFORMATION
669 Test name: countbasic_88a22
670 Module tested: nonogram
671 Function call: count_row_variations(88,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])

```

```

672 Expected return value: 271250494550621040
673 More test options: {}
674 --> END TEST INFORMATION
675 *****
676 ***** There is a problem:
677 ***** The test named 'countbasic_88a22' failed.
678 *****
679 Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
680 expected: 271250494550621040
681 actual: 271250494550621056
682 result_code countbasic_88a22 wrong 1
683 --> BEGIN TEST INFORMATION
684 Test name: countbasic_88a24
685 Module tested: nonogram
686 Function call: count_row_variations(88,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
687 Expected return value: 397370533061665800
688 More test options: {}
689 --> END TEST INFORMATION
690 *****
691 ***** There is a problem:
692 ***** The test named 'countbasic_88a24' failed.
693 *****
694 Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
695 expected: 397370533061665800
696 actual: 397370533061665856
697 result_code countbasic_88a24 wrong 1
698 --> BEGIN TEST INFORMATION
699 Test name: countbasic_88a26
700 Module tested: nonogram
701 Function call: count_row_variations(88,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
702 Expected return value: 357174975294274221
703 More test options: {}
704 --> END TEST INFORMATION
705 *****
706 ***** There is a problem:
707 ***** The test named 'countbasic_88a26' failed.
708 *****
709 Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
710 expected: 357174975294274221
711 actual: 357174975294274240
712 result_code countbasic_88a26 wrong 1
713 --> BEGIN TEST INFORMATION
714 Test name: countbasic_88a27
715 Module tested: nonogram
716 Function call: count_row_variations(88,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
717 Expected return value: 279692573246309972
718 More test options: {}
719 --> END TEST INFORMATION
720 *****
721 ***** There is a problem:
722 ***** The test named 'countbasic_88a27' failed.
723 *****
724 Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
725 expected: 279692573246309972
726 actual: 279692573246309984
727 result_code countbasic_88a27 wrong 1
728 --> BEGIN TEST INFORMATION
729 Test name: countbasic_88a28
730 Module tested: nonogram
731 Function call: count_row_variations(88,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
732 Expected return value: 191724747789809255
733 More test options: {}
734 --> END TEST INFORMATION
735 *****
736 ***** There is a problem:
737 ***** The test named 'countbasic_88a28' failed.
738 *****
739 Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:

```

[illegible]

```

808 More test options: {}
809 --> END TEST INFORMATION
810 *****
811 ***** There is a problem:
812 ***** The test named 'countbasic_88b19' failed.
813 *****
814 Wrong result, input: [88, [2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2]]:
815 expected: 48459472266975
816 actual: 48459472266974
817 result_code countbasic_88b19 wrong 1
818 --> BEGIN TEST INFORMATION
819 Test name: countbasic_88b23
820 Module tested: nonogram
821 Function call: count_row_variations(88,[2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2])
822 Expected return value: 960566918220
823 More test options: {}
824 --> END TEST INFORMATION
825 *****
826 ***** There is a problem:
827 ***** The test named 'countbasic_88b23' failed.
828 *****
829 Wrong result, input: [88, [2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2]]:
830 expected: 960566918220
831 actual: 960566918219
832 result_code countbasic_88b23 wrong 1
833 --> BEGIN TEST INFORMATION
834 Test name: countbasic_88b26
835 Module tested: nonogram
836 Function call: count_row_variations(88,[2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2])
837 Expected return value: 854992152
838 More test options: {}
839 --> END TEST INFORMATION
840 *****
841 ***** There is a problem:
842 ***** The test named 'countbasic_88b26' failed.
843 *****
844 Wrong result, input: [88, [2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2]]:
845 expected: 854992152
846 actual: 854992151
847 result_code countbasic_88b26 wrong 1
848 --> BEGIN TEST INFORMATION
849 Test name: countbasic_777q00
850 Module tested: nonogram
851 Function call: count_row_variations(777,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
852 Expected return value: 35834005891733109432320066038620601894550085780
853 More test options: {}
854 --> END TEST INFORMATION
855 *****
856 ***** There is a problem:
857 ***** The test named 'countbasic_777q00' failed.
858 *****
859 Wrong result, input: [777, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
860 expected: 35834005891733109432320066038620601894550085780
861 actual: 35834005891733110620729197892383559226492977152
862 result_code countbasic_777q00 wrong 1
863 --> BEGIN TEST INFORMATION
864 Test name: countbasic_777q01
865 Module tested: nonogram
866 Function call: count_row_variations(777,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
867 Expected return value: 22321894314271182125864567710133284031466373729367039509295290387151922970081043849718781821741537937
868 More test options: {}
869 --> END TEST INFORMATION
870 *****
871 ***** There is a problem:
872 ***** The test named 'countbasic_777q01' failed.
873 *****
874 Wrong result, input: [777, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
875 expected: 2232189431427118212586456771013328403146637372936703950929529038715192297008104384971878182174153793726

```


[illegible]

2 nonogram.py

```
1 #####
2 # FILE : ex8.py
3 # WRITER : ofir , ofirm57 , 205660731
4 # EXERCISE : intro2cs2 ex8 2020
5 #####
6 import math
7
8 BLACK = 1
9 WHITE = 0
10 UNKNOWN = -1
11
12
13 def helper_get_row_variations(row, blocks, tmp_lst, row_lst, index,
14                             first_t=True):
15     """function that return all the option of row by the block
16     :param row: list row
17     :param blocks: list of block
18     :param tmp_lst: change list
19     :param row_lst: the return list
20     :param index: the index
21     :param first_t: true if u first time enter the function """
22
23     length = len(row)
24     if first_t:
25         found_common_cases = common_cases(row, blocks)
26         if found_common_cases:
27             answer = get_intersection_row([row, found_common_cases])
28             if not rows_with_unknown_check([answer]):
29                 return [found_common_cases]
30
31     if sum(blocks) - sum(tmp_lst) > len(row) - len(tmp_lst):
32         return
33     if tmp_lst.count(BLACK) > sum(blocks):
34         return
35     if tmp_lst.count(WHITE) > length - sum(blocks):
36         return
37     if index > 1 and not row_check(tmp_lst, blocks, index, length):
38         return
39     if len(row_lst) == count_row_variations(length, blocks):
40         return row_lst
41     if len(tmp_lst) == length:
42         if tmp_lst.count(BLACK) != sum(blocks):
43             return
44         return row_lst.append(tmp_lst)
45     if row[index] == UNKNOWN:
46         tmp_lst.append(BLACK)
47         helper_get_row_variations(row, blocks, tmp_lst[:], row_lst, index + 1,
48                                 False)
49         tmp_lst[-1] = WHITE
50         helper_get_row_variations(row, blocks, tmp_lst[:], row_lst, index + 1,
51                                 False)
52     else:
53         tmp_lst.append(row[index])
54         helper_get_row_variations(row, blocks, tmp_lst[:], row_lst, index + 1,
55                                 False)
56     return row_lst
57
58
59 def common_cases(row, block):
```

```

60     """recive row and block and return common_cases """
61
62     row_long = len(row)
63     num_of_black = sum(block)
64     block_length = len(block)
65     lst = []
66     if num_of_black + len(block) - 1 == row_long:
67         for i, value in enumerate(block):
68             lst.extend([BLACK] * value)
69             if i != block_length - 1:
70                 lst.append(WHITE)
71         return lst
72     if not block: ### zero row
73         return lst.extend([WHITE] * row_long)
74     if block_length == 1 and num_of_black == row_long: ## all black
75         return lst.extend([BLACK] * row_long)
76
77
78 def row_check(tmp_lst, blocks, index, lenght): # func 1
79     """function that check the row by the blocks, index and lenght """
80     counter = 0
81     b_num = 0
82     for i, v in enumerate(tmp_lst):
83         if i != index - 1: # check if first
84             if v == BLACK:
85                 counter += 1
86                 if tmp_lst[i + 1] == 0:
87                     if blocks[b_num] != counter:
88                         return False
89             else:
90                 counter = 0
91                 b_num += 1
92         else:
93             if v == BLACK:
94                 counter += 1
95                 if blocks[b_num] != counter and not i < lenght - 1:
96                     return False
97     return True
98
99
100 def get_row_variations(row, blocks): #func 1 real
101     """function that return option fo row by the blocks information """
102     return helper_get_row_variations(row, blocks, [], [], 0, True)
103
104
105 #####~1
106
107 def make_list_of_index(rows):
108     """function that replicates the list of lists"""
109     lenght = len(rows[0])
110     option_num = len(rows)
111     tmp_lst = []
112     list_of_index = []
113     for i in range(lenght): # line
114         if i != 0:
115             list_of_index.append(tmp_lst)
116             tmp_lst = []
117         for j in range(option_num): # row external
118             tmp_lst.append(rows[j][i])
119     list_of_index.append(tmp_lst)
120     return list_of_index
121
122
123 def get_intersection_row(rows): # func 2
124     """ recive list of list (option for one row) and return the option for
125     the row
126     i choose that this func return only what is 100% right"""
127     the_rows = make_list_of_index(rows)

```

```

128     result = []
129     for i in range(len(the_rows)):
130         if all(x == the_rows[i][0] for x in the_rows[i]): ###IF ALL THE SAME
131             result.append(the_rows[i][0])
132             continue
133         if 0 in the_rows[i] and (1 or -1) in the_rows[i]:
134             result.append(UNKNOWN)
135             continue
136         result.append(UNKNOWN)
137     return result
138
139 #####~2
140
141
142 def solve_easy_nonogram(constraints):
143     """make the firs check and then cotinue to check if it not redey"""
144     bord = find_start_bord(constraints)
145     return helper_func3(constraints, bord)
146
147
148 def find_start_bord(constraints):
149     """
150     A function that makes a board according to constraints Length
151     """
152     line_num = len(constraints[1])
153     row_num = len(constraints[0])
154     first_bord = []
155     for i in range(row_num):
156         tmp = []
157         tmp.extend([UNKNOWN] * line_num)
158         first_bord.append(tmp)
159     return first_bord
160
161
162 def helper_func3(constraints, start_bord):
163     """
164     A function that takes out a resolved or partially resolved board
165     With the help of auxiliary functions like first_line_solution and
166     find_start_bord
167     """
168     line_solution = first_line_solution(constraints, start_bord)
169     row_solution = first_row_solution(constraints, line_solution)
170     if row_solution == line_solution:
171         return row_solution
172     make_2_check_loops = 2
173     while make_2_check_loops:
174         tmp_lst = []
175         for i in range(len(row_solution)):
176             end_com_result = compre_list(row_solution[i], line_solution[i])
177             tmp_lst.append(end_com_result)
178             if make_2_check_loops == 0:
179                 return tmp_lst
180         row_solution = first_row_solution(constraints, tmp_lst)
181         line_solution = first_line_solution(constraints, row_solution)
182         if row_solution != line_solution:
183             make_2_check_loops = 2
184         else:
185             make_2_check_loops -= 1
186             if make_2_check_loops == 0:
187                 break
188     return row_solution
189
190
191 def first_row_solution(constraints, list_of_rows):
192     """A function that sends a line for review"""
193     line_number = len(constraints[1])
194     check_index = 0
195     return check_row_and_line(check_index, constraints, line_number, [],

```



```

196         list_of_rows)
197
198
199 def compre_list(row_1, row_2):
200     """ compare two list if value1 is -1 and value2 is 1 or 0 the function
201     chage value1 to 1 or 0, the function return the number of -1 appeared in
202     the valu1 and value2 """
203     if row_1 == row_2:
204         return row_2
205     for i in range(len(row_1)):
206         if row_1[i] != row_2[i]:
207             if row_1[i] == -1:
208                 row_1[i] = row_2[i]
209             elif row_2[i] == -1:
210                 continue
211             else:
212                 return # if problem with the check
213     return row_1
214
215
216 def first_line_solution(constraints, start_bord):
217     """ its make reverse and if there isnt start bord, its make one """
218     rows_number = len(constraints[0])
219     check_index = 1
220     row_side_sol = make_list_of_index(start_bord)
221     new_lines = check_row_and_line(check_index, constraints, rows_number,
222                                   [], row_side_sol)
223     line_result = make_list_of_index(new_lines)
224     return line_result
225
226
227 def check_row_and_line(index, constraints, line_number, tmp_solution, start_row):
228     """
229     :return: posibale option for bord by check the row
230     """
231     tmp_result = []
232     for i, value in enumerate(constraints[index]):
233         if not (bool(value)):
234             tmp_solution.append([WHITE] * line_number)
235             continue
236         if len(value) == 1 and sum(value) == line_number:
237             tmp_solution.append([BLACK] * line_number)
238             continue
239         else:
240             if type(start_row[0]) is list:
241                 tmp_result = get_row_variations(start_row[i], value)
242             if not type(start_row[0]) is list:
243                 tmp_result = get_row_variations([-1] * line_number, value)
244             if len(tmp_result) == 1:
245                 tmp_solution.append(tmp_result[0])
246                 continue
247             if len(tmp_result) > 1:
248                 the_best_option = get_intersection_row(tmp_result)
249                 tmp_solution.append(the_best_option)
250             else:
251                 tmp_solution.append([UNKNOWN] * line_number)
252     return tmp_solution
253
254 ##### ~3
255
256 def solve_nonogram_helper4(constraints, option, simple_result, num=0,
257                             first_enter=True):
258     """
259     A function that solves a board with the help of possible rows inlay and if
260     there are no contradictions the function takes the board out
261     """
262     global rows_option
263     if first_enter:

```

```

264         simple_result = solve_easy_nonogram(constraints) ### solve easy
265         if not rows_with_unknown_check(simple_result):
266             return [simple_result]
267
268     if not simple_result:
269         return
270     # list of the index of rows with -1
271     list_of_index = rows_with_unknown_check(simple_result)
272     if not list_of_index:
273         if option:
274             if check_if_results_same(option, simple_result):
275                 return
276             return option.append(simple_result)
277     index = list_of_index[num]
278     if list_of_index:
279         rows_option = get_row_variations(simple_result[index],
280                                         constraints[0][index])
281     for j in range(len(rows_option)):
282         if UNKNOWN in rows_option[j] and rows_option[j][1:] \
283             == rows_option[j][:-1]:
284             continue
285         if rows_option[j] == simple_result[index]:
286             continue
287         simple_result[index] = rows_option[j]
288         simple_result = check_row_and_line(0, constraints, len(constraints[1])
289                                           , [], simple_result)
290         solve_nonogram_helper4(constraints, option, simple_result, 0, False)
291         if j == len(rows_option) - 1 and index == list_of_index[-1]:
292             return
293     return option
294
295
296 def check_if_results_same(option, simple_result):
297     """ return TRUE if same
298     else return false"""
299     for i in option:
300         if i == simple_result:
301             return True
302     return False
303
304
305 def rows_with_unknown_check(bord):
306     """check if the bord contain -1
307     :param bord: the list of list (the bord)
308     :return: [] if the bord is full'
309     else return list with the row index who contain -1"""
310     rows_with_unknown = []
311     if not bord:
312         return
313     for i, row in enumerate(bord):
314         if UNKNOWN in row:
315             rows_with_unknown.append(i)
316     return rows_with_unknown
317
318
319 def solve_nonogram(constraints):
320     return solve_nonogram_helper4(constraints, [], [])
321
322 ##### ~4
323
324
325 def count_row_variations(length, blocks):
326     num_block = len(blocks)
327     the_amount_of_black = sum(blocks)
328     k = length - the_amount_of_black - (num_block - 1)
329     if k < 0:
330         return 0
331     n = length - the_amount_of_black + 1

```

```
332     return int(binom_n_k(n, k))
333
334
335 def binom_n_k(n, k):
336     f = math.factorial
337     return f(n) / f(k) / f(n-k)
338
339 #####~5
```