Contents

1 Basic Test Results

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Thu Jun 11 09:02:14 IDT 2020
Process Process-49:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 131, in get_intersection_row
    result.append(the_rows[i][0])
IndexError: list index out of range
Process Process-339:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-340:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
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  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-341:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-342:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-343:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
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    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-344:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-345:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
TypeError: count_row_variations() takes 2 positional arguments but 3 were given
Process Process-346:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
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    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
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  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
TypeError: count_row_variations() takes 2 positional arguments but 3 were given
Process Process-347:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
TypeError: count_row_variations() takes 2 positional arguments but 3 were given
Process Process-348:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
TypeError: count_row_variations() takes 2 positional arguments but 3 were given
Process Process-349:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
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  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
TypeError: count_row_variations() takes 2 positional arguments but 3 were given
Process Process-350:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
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  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
TypeError: count_row_variations() takes 2 positional arguments but 3 were given
Process Process-351:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
TypeError: count_row_variations() takes 2 positional arguments but 3 were given
Process Process-352:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
TypeError: count_row_variations() takes 2 positional arguments but 3 were given
Process Process-353:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
TypeError: count_row_variations() takes 2 positional arguments but 3 were given
```

```
Process Process-354:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
TypeError: count_row_variations() takes 2 positional arguments but 3 were given
Process Process-596:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-597:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-598:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
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```
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-599:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-600:
Traceback (most recent call last):
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Process Process-601:
Traceback (most recent call last):
```

```
  File "/usr/lib/python3.7/multiprocessing/process.py", line 297, in _bootstrap
    self.run()
  File "/usr/lib/python3.7/multiprocessing/process.py", line 99, in run
    self._target(*self._args, **self._kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/autotest.py", line 74, in wrap
    res=target(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 39, in import_runner
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 17, in check_args
    code,res = peel(runners, modulename, fname, args, kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 7, in peel
    return runners[-1](modulename, fname, args, kwargs,options,runners[:-1])
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/lib/testrunners.py", line 12, in base_runner
    return None,func(*args, **kwargs)
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 332, in count_row_variations
    return int(binom_n_k(n, k))
  File "/tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/testdir/src/nonogram.py", line 337, in binom_n_k
    return f(n) / f(k) / f(n-k)
OverflowError: integer division result too large for a float
Thu Jun 11 09:02:14 IDT 2020
Archive:  /tmp/bodek.P6Pg1W/intro2cs2/ex8/ofirm57/final/submission
  inflating: src/nonogram.py
5 passed tests out of 5 in test set named 'presubmit'.
result_code    presubmit    5    1
--> BEGIN TEST INFORMATION
Test name: variations_0_0
Module tested: nonogram
Function call: get_row_variations([],[])
Expected return value: [[]]
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'variations_0_0' failed.
**********************************************************************
Wrong result, input: [[], []]:
expected: [[]]
actual:   None
result_code    variations_0_0    wrong    1
--> BEGIN TEST INFORMATION
Test name: variations_0_1
Module tested: nonogram
Function call: get_row_variations([],[1])
Expected return value: []
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'variations_0_1' failed.
**********************************************************************
Wrong result, input: [[], [1]]:
expected: []
actual:   None
result_code    variations_0_1    wrong    1
--> BEGIN TEST INFORMATION
Test name: variations_0_2
Module tested: nonogram
Function call: get_row_variations([],[1, 2])
Expected return value: []
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'variations_0_2' failed.
**********************************************************************
Wrong result, input: [[], [1, 2]]:
```

```
expected: []
actual:   None
result_code    variations_0_2    wrong    1
--> BEGIN TEST INFORMATION
Test name: variations_1_11
Module tested: nonogram
Function call: get_row_variations([-1],[1, 1])
Expected return value: []
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'variations_1_11' failed.
**********************************************************************
Wrong result, input: [[-1], [1, 1]]:
expected: []
actual:   None
result_code    variations_1_11    wrong    1
--> BEGIN TEST INFORMATION
Test name: variations_1_2
Module tested: nonogram
Function call: get_row_variations([-1],[2])
Expected return value: []
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'variations_1_2' failed.
**********************************************************************
Wrong result, input: [[-1], [2]]:
expected: []
actual:   None
result_code    variations_1_2    wrong    1
35 passed tests out of 40 in test set named 'variations'.
result_code    variations    35    1
--> BEGIN TEST INFORMATION
Test name: intersection_0
Module tested: nonogram
Function call: get_intersection_row([[], [], [], [], [], [], [], [], [], []])
Expected return value: []
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'intersection_0' failed.
**********************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    intersection_0    exception    1
12 passed tests out of 13 in test set named 'intersection'.
result_code    intersection    12    1
30 passed tests out of 30 in test set named 'solveeasy'.
result_code    solveeasy    30    1
5 passed tests out of 5 in test set named 'solvehardbasic'.
result_code    solvehardbasic    5    1
--> BEGIN TEST INFORMATION
Test name: solvehardbonus_a
Module tested: nonogram
Function call: solve_nonogram([[[1], [1]], [[2], [1]]])
Expected return value: []
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'solvehardbonus_a' failed.
**********************************************************************
Test timed out and did not complete.
Timeout limit was 4 seconds.
```

```
You may have an infinite loop or a big inefficiency.
result_code    solvehardbonus_a    timeout    1
--> BEGIN TEST INFORMATION
Test name: solvehardbonus_c
Module tested: nonogram
Function call: solve_nonogram([[[1, 1], [1, 1], [1], [1, 1], [1, 1]], [[1, 1], [1, 1], [1], [1, 1], [1, 1]]])
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,
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'solvehardbonus_c' failed.
**********************************************************************
Wrong result, input: [[[[1, 1], [1, 1], [1], [1, 1], [1, 1]], [[1, 1], [1, 1], [1], [1, 1], [1, 1]]]:
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
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
result_code    solvehardbonus_c    wrong    1
--> BEGIN TEST INFORMATION
Test name: solvehardbonus_4x6
Module tested: nonogram
Function call: solve_nonogram([[[1], [2], [2], [2], [1], [1]], [[2], [2], [2], [3]]])
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]]]
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'solvehardbonus_4x6' failed.
**********************************************************************
Wrong result, input: [[[[1], [2], [2], [2], [1], [1]], [[2], [2], [2], [3]]]:
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]]]
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]
result_code    solvehardbonus_4x6    wrong    1
1 passed tests out of 4 in test set named 'solvehardbonus'.
result_code    solvehardbonus    1    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a14
Module tested: nonogram
Function call: count_row_variations(88,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
Expected return value: 560658857389200
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a14' failed.
**********************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 560658857389200
actual:   560658857389199
result_code    countbasic_88a14    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a20
Module tested: nonogram
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])
Expected return value: 1156318597590413 40
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a20' failed.
**********************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 1156318597590413 40
actual:   1156318597590413 44
result_code    countbasic_88a20    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a22
Module tested: nonogram
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])
```

```
Expected return value: 271250494550621040
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a22' failed.
************************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 271250494550621040
actual:   271250494550621056
result_code    countbasic_88a22    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a24
Module tested: nonogram
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, 1, 1, 1, 1])
Expected return value: 397370533061665800
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a24' failed.
************************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 397370533061665800
actual:   397370533061665856
result_code    countbasic_88a24    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a26
Module tested: nonogram
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, 1, 1, 1, 1])
Expected return value: 357174975294274221
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a26' failed.
************************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 357174975294274221
actual:   357174975294274240
result_code    countbasic_88a26    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a27
Module tested: nonogram
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, 1, 1, 1, 1])
Expected return value: 279692573246309972
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a27' failed.
************************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 279692573246309972
actual:   279692573246309984
result_code    countbasic_88a27    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a28
Module tested: nonogram
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, 1, 1, 1, 1])
Expected return value: 191724747789809255
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a28' failed.
************************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
```

```
expected: 191724747789809255
actual:   191724747789809248
result_code    countbasic_88a28    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a29
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 114449595062769120
More test options: {}
--> END TEST INFORMATION
*********************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a29' failed.
*********************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 114449595062769120
actual:   114449595062769136
result_code    countbasic_88a29    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a32
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 9929472283517787
More test options: {}
--> END TEST INFORMATION
*********************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a32' failed.
*********************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 9929472283517787
actual:   9929472283517788
result_code    countbasic_88a32    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a37
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 4481381406320
More test options: {}
--> END TEST INFORMATION
*********************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a37' failed.
*********************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
expected: 4481381406320
actual:   4481381406319
result_code    countbasic_88a37    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88a44
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 45
More test options: {}
--> END TEST INFORMATION
*********************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88a44' failed.
*********************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
expected: 45
actual:   44
result_code    countbasic_88a44    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88b19
Module tested: nonogram
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])
Expected return value: 48459472266975
```

```
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88b19' failed.
************************************************************************
Wrong result, input: [88, [2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2]]:
expected: 48459472266975
actual:   48459472266974
result_code    countbasic_88b19    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88b23
Module tested: nonogram
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, 2, 2, 2, 2])
Expected return value: 960566918220
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88b23' failed.
************************************************************************
Wrong result, input: [88, [2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2]]:
expected: 960566918220
actual:   960566918219
result_code    countbasic_88b23    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_88b26
Module tested: nonogram
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, 2, 2, 2, 2, 2, 2])
Expected return value: 854992152
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_88b26' failed.
************************************************************************
Wrong result, input: [88, [2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2]]:
expected: 854992152
actual:   854992151
result_code    countbasic_88b26    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_777q00
Module tested: nonogram
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, 1, 1, 1, 1, 1])
Expected return value: 358340058917331094323200660386206018945500857 80
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_777q00' failed.
************************************************************************
Wrong result, input: [777, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 358340058917331094323200660386206018945500857 80
actual:   35834005891733110620729197892383559226492977152
result_code    countbasic_777q00    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_777q01
Module tested: nonogram
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, 1, 1, 1, 1, 1,
Expected return value: 223218943142711821258645677101332840314663737293670395092952903871519229700810438497187818217415379 37
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_777q01' failed.
************************************************************************
Wrong result, input: [777, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
expected: 223218943142711821258645677101332840314663737293670395092952903871519229700810438497187818217415379 3726
```

```
actual:   22321894314271180066107975679823520859973825329224294165869134145726523621505306940124697729953274265 60
result_code    countbasic_777q01    wrong    1
--> BEGIN TEST INFORMATION
Test name: countbasic_777q02
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 11806921817163751205061980854515519709895724456824263249499573351345495137287198771842218809948651538
More test options: {}
--> END TEST INFORMATION
**************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_777q02' failed.
**************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbasic_777q02    exception    1
--> BEGIN TEST INFORMATION
Test name: countbasic_777q03
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 19739858210203358803336608895433104878488799563918876878752754859275970889103575155192723085920179865
More test options: {}
--> END TEST INFORMATION
**************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_777q03' failed.
**************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbasic_777q03    exception    1
--> BEGIN TEST INFORMATION
Test name: countbasic_777q04
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 65667276718109620179017075904904211802734998375051015855414100714806336215971861267780075216221686356
More test options: {}
--> END TEST INFORMATION
**************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_777q04' failed.
**************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbasic_777q04    exception    1
--> BEGIN TEST INFORMATION
Test name: countbasic_777q05
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 10372954305099934578607316565934058746871278174141218678256945632618601640995165614562926945496664591
More test options: {}
--> END TEST INFORMATION
**************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_777q05' failed.
**************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbasic_777q05    exception    1
--> BEGIN TEST INFORMATION
Test name: countbasic_777q06
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 55797581060390428298666170918178891812286712217362541894495764249838543342226736833351691832516480184
More test options: {}
--> END TEST INFORMATION
**************************************************************************
********************     There is a problem:
********************     The test named 'countbasic_777q06' failed.
```

```
**********************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbasic_777q06    exception    1
--> BEGIN TEST INFORMATION
Test name: countbasic_777q07
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 11154550273312721218753056101915175561826016
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'countbasic_777q07' failed.
**********************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbasic_777q07    exception    1
225 passed tests out of 247 in test set named 'countbasic'.
result_code    countbasic    225    1
--> BEGIN TEST INFORMATION
Test name: countbonus_a
Module tested: nonogram
Function call: count_row_variations(200,[1, 2, 1, 2, 1, 2, 1, 2, 1, 2],[-1, -1, -1, 0, -1, -1, -1, 0, -1, -1, -1, 0, -1, -1,
Expected return value: 79877235049920
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'countbonus_a' failed.
**********************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbonus_a    exception    1
--> BEGIN TEST INFORMATION
Test name: countbonus_b
Module tested: nonogram
Function call: count_row_variations(200,[1, 3, 1, 3, 1, 3, 1, 3, 1, 3],[-1, -1, 0, -1, -1, -1, 0, -1, -1, -1, 0, -1, -1, -1,
Expected return value: 2329752688956
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'countbonus_b' failed.
**********************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbonus_b    exception    1
--> BEGIN TEST INFORMATION
Test name: countbonus_c
Module tested: nonogram
Function call: count_row_variations(200,[1, 2, 1, 2, 1, 2, 1, 2, 1, 2],[-1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1,
Expected return value: 8586588429
More test options: {}
--> END TEST INFORMATION
**********************************************************************
********************     There is a problem:
********************     The test named 'countbonus_c' failed.
**********************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbonus_c    exception    1
--> BEGIN TEST INFORMATION
Test name: countbonus_d
Module tested: nonogram
Function call: count_row_variations(200,[1, 3, 1, 3, 1, 3, 1, 3, 1, 3],[-1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1,
Expected return value: 27553350
More test options: {}
```

```
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbonus_d' failed.
************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbonus_d    exception    1
--> BEGIN TEST INFORMATION
Test name: countbonus_e
Module tested: nonogram
Function call: count_row_variations(200,[1, 2, 1, 2, 1, 2, 1, 2, 1, 2],[-1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1,
Expected return value: 1
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbonus_e' failed.
************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbonus_e    exception    1
--> BEGIN TEST INFORMATION
Test name: countbonus_f
Module tested: nonogram
Function call: count_row_variations(200,[2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2],[-1, -1, -1, -1, -1, -1, -1, -1, -1, -
Expected return value: 320739180032
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbonus_f' failed.
************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbonus_f    exception    1
--> BEGIN TEST INFORMATION
Test name: countbonus_g
Module tested: nonogram
Function call: count_row_variations(200,[2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2],[-1, -1, -1, -1, -1, -1, -1, -1, -1, -
Expected return value: 16702340471909344
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbonus_g' failed.
************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbonus_g    exception    1
--> BEGIN TEST INFORMATION
Test name: countbonus_h
Module tested: nonogram
Function call: count_row_variations(200,[2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2],[-1, -1, -1, -1, -1, -1, -1, -1, -1, -
Expected return value: 16701754326450192
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbonus_h' failed.
************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbonus_h    exception    1
--> BEGIN TEST INFORMATION
Test name: countbonus_i
Module tested: nonogram
Function call: count_row_variations(200,[2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2],[-1, -1, -1, -1, -1, -1, -1, -1, -1, -
```

```
Expected return value: 32768
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbonus_i' failed.
************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbonus_i    exception    1
--> BEGIN TEST INFORMATION
Test name: countbonus_j
Module tested: nonogram
Function call: count_row_variations(200,[2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2],[-1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -
Expected return value: 0
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countbonus_j' failed.
************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countbonus_j    exception    1
0 passed tests out of 10 in test set named 'countbonus'.
result_code    countbonus    0    1
--> BEGIN TEST INFORMATION
Test name: countfloat_88a14
Module tested: nonogram
Function call: count_row_variations(88,[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1])
Expected return value: 560658857389200
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_88a14' failed.
************************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 560658857389200
actual:   560658857389199
result_code    countfloat_88a14    wrong    1
--> BEGIN TEST INFORMATION
Test name: countfloat_88a24
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1])
Expected return value: 397370533061665800
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_88a24' failed.
************************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
expected: 397370533061665800
actual:   397370533061665856
result_code    countfloat_88a24    wrong    1
--> BEGIN TEST INFORMATION
Test name: countfloat_88a29
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 114449595062769120
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_88a29' failed.
************************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]]:
```

```
expected: 114449595062769120
actual:   114449595062769136
result_code    countfloat_88a29    wrong    1
--> BEGIN TEST INFORMATION
Test name: countfloat_88a37
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 4481381406320
More test options: {}
--> END TEST INFORMATION
*********************************************************************
********************     There is a problem:
********************     The test named 'countfloat_88a37' failed.
*********************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
expected: 4481381406320
actual:   4481381406319
result_code    countfloat_88a37    wrong    1
--> BEGIN TEST INFORMATION
Test name: countfloat_88a44
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 45
More test options: {}
--> END TEST INFORMATION
*********************************************************************
********************     There is a problem:
********************     The test named 'countfloat_88a44' failed.
*********************************************************************
Wrong result, input: [88, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
expected: 45
actual:   44
result_code    countfloat_88a44    wrong    1
--> BEGIN TEST INFORMATION
Test name: countfloat_88b19
Module tested: nonogram
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])
Expected return value: 48459472266975
More test options: {}
--> END TEST INFORMATION
*********************************************************************
********************     There is a problem:
********************     The test named 'countfloat_88b19' failed.
*********************************************************************
Wrong result, input: [88, [2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2]]:
expected: 48459472266975
actual:   48459472266974
result_code    countfloat_88b19    wrong    1
--> BEGIN TEST INFORMATION
Test name: countfloat_88b23
Module tested: nonogram
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, 2, 2, 2])
Expected return value: 960566918220
More test options: {}
--> END TEST INFORMATION
*********************************************************************
********************     There is a problem:
********************     The test named 'countfloat_88b23' failed.
*********************************************************************
Wrong result, input: [88, [2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2]]:
expected: 960566918220
actual:   960566918219
result_code    countfloat_88b23    wrong    1
--> BEGIN TEST INFORMATION
Test name: countfloat_88b26
Module tested: nonogram
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, 2, 2, 2, 2, 2, 2])
Expected return value: 854992152
```

```
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_88b26' failed.
************************************************************************
Wrong result, input: [88, [2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2]]:
expected: 854992152
actual:   854992151
result_code    countfloat_88b26    wrong    1
--> BEGIN TEST INFORMATION
Test name: countfloat_777q01
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 223218943142711821258645677101332840314663737293670395092952903871519229700810438497187818217415379 37
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_777q01' failed.
************************************************************************
Wrong result, input: [777, [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
expected: 223218943142711821258645677101332840314663737293670395092952903871519229700810438497187818217415379 3726
actual:   223218943142711800661079756798235208599738253292242941658691341457265236215053069401246977 2995327426560
result_code    countfloat_777q01    wrong    1
--> BEGIN TEST INFORMATION
Test name: countfloat_777q02
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 11806921817163751205061980854515519709895724456824263249499573351345495137287198771842218809948651538
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_777q02' failed.
************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countfloat_777q02    exception    1
--> BEGIN TEST INFORMATION
Test name: countfloat_777q03
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 19739858210203358803336608895433104878488799563918876878752754859275970889103575155192723085920179865
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_777q03' failed.
************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countfloat_777q03    exception    1
--> BEGIN TEST INFORMATION
Test name: countfloat_777q04
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 65667276718109620179017075904904211802734998375051015855414100714806336215971861267780075216221686356
More test options: {}
--> END TEST INFORMATION
************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_777q04' failed.
************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countfloat_777q04    exception    1
--> BEGIN TEST INFORMATION
```

```
Test name: countfloat_777q05
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 10372954305099934578607316565934058746871278174141218678256945632618601640995165614562926945496664591
More test options: {}
--> END TEST INFORMATION
**************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_777q05' failed.
**************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countfloat_777q05    exception    1
--> BEGIN TEST INFORMATION
Test name: countfloat_777q06
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 557975810603904282986661709181788918122867122173625418944957642498385433422267368333516918325164801844
More test options: {}
--> END TEST INFORMATION
**************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_777q06' failed.
**************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countfloat_777q06    exception    1
--> BEGIN TEST INFORMATION
Test name: countfloat_777q07
Module tested: nonogram
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, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Expected return value: 1115455027331272121875305610191517556182601 6
More test options: {}
--> END TEST INFORMATION
**************************************************************************
********************     There is a problem:
********************     The test named 'countfloat_777q07' failed.
**************************************************************************
Test did not complete, exited with exitcode 1.
This probably means your code caused an exception to be raised.
result_code    countfloat_777q07    exception    1
232 passed tests out of 247 in test set named 'countfloat'.
result_code    countfloat    232    1
TESTING COMPLETED
```

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 entar 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):
```

```
    """recive row and block and return common_cases  """

    row_long = len(row)
    num_of_black = sum(block)
    block_length = len(block)
    lst = []
    if num_of_black + len(block) - 1 == row_long:
        for i, value in enumerate(block):
            lst.extend([BLACK] * value)
            if i != block_length - 1:
                lst.append(WHITE)
        return lst
    if not block: ### zero row
        return lst.extend([WHITE] * row_long)
    if block_length == 1 and num_of_black == row_long:  ## all black
        return lst.extend([BLACK] * row_long)


def row_check(tmp_lst, blocks, index, lenght):  # func 1
    """finction that check the row by the blocks, index and lenght """
    counter = 0
    b_num = 0
    for i, v in enumerate(tmp_lst):
        if i != index - 1: # check if first
            if v == BLACK:
                counter += 1
                if tmp_lst[i + 1] == 0:
                    if blocks[b_num] != counter:
                        return False
                    else:
                        counter = 0
                        b_num += 1
        else:
            if v == BLACK:
                counter += 1
                if blocks[b_num] != counter and not i < lenght - 1:
                    return False
    return True


def get_row_variations(row, blocks): #func 1 real
    """function that return option fo row by the blocks information """
    return helper_get_row_variations(row, blocks, [], [], 0, True)


#########################################################################^1

def make_list_of_index(rows):
    """function that replicates the list of lists"""
    lenght = len(rows[0])
    option_num = len(rows)
    tmp_lst = []
    list_of_index = []
    for i in range(lenght):  # line
        if i != 0:
            list_of_index.append(tmp_lst)
            tmp_lst = []
        for j in range(option_num):  # row external
            tmp_lst.append(rows[j][i])
    list_of_index.append(tmp_lst)
    return list_of_index


def get_intersection_row(rows):  # func 2
    """ recive list of list (option for one row) and return the option for
    the row
    i choose that this func return only what is 100% right"""
    the_rows = make_list_of_index(rows)
```

```
    result = []
    for i in range(len(the_rows)):
        if all(x == the_rows[i][0] for x in the_rows[i]): ###IF ALL THE SAME
            result.append(the_rows[i][0])
            continue
        if 0 in the_rows[i] and (1 or -1) in the_rows[i]:
            result.append(UNKNOWN)
            continue
        result.append(UNKNOWN)
    return result

##########################################################################^2


def solve_easy_nonogram(constraints):
    """make the firs check and then cotinue to check if it not redey"""
    bord = find_start_bord(constraints)
    return helper_func3(constraints, bord)


def find_start_bord(constraints):
    """
    A function that makes a board according to constraints Length
    """
    line_num = len(constraints[1])
    row_num = len(constraints[0])
    first_bord = []
    for i in range(row_num):
        tmp = []
        tmp.extend([UNKNOWN] * line_num)
        first_bord.append(tmp)
    return first_bord


def helper_func3(constraints, start_bord):
    """
    A function that takes out a resolved or partially resolved board
    With the help of auxiliary functions like first_line_solution and
    find_start_bord
    """
    line_solution = first_line_solution(constraints, start_bord)
    row_solution = first_row_solution(constraints, line_solution)
    if row_solution == line_solution:
        return row_solution
    make_2_check_loops = 2
    while make_2_check_loops:
        tmp_lst = []
        for i in range(len(row_solution)):
            end_com_result = compre_list(row_solution[i], line_solution[i])
            tmp_lst.append(end_com_result)
            if make_2_check_loops == 0:
                return tmp_lst
        row_solution = first_row_solution(constraints, tmp_lst)
        line_solution = first_line_solution(constraints, row_solution)
        if row_solution != line_solution:
            make_2_check_loops = 2
        else:
            make_2_check_loops -= 1
            if make_2_check_loops == 0:
                break
    return row_solution


def first_row_solution(constraints, list_of_rows):
    """A function that sends a line for review"""
    line_number = len(constraints[1])
    check_index = 0
    return check_row_and_line(check_index, constraints, line_number, [],
```

```
                                list_of_rows)


def compre_list(row_1, row_2):
    """ compere two list if value1 is -1 and value2 is 1 or 0 the function
    chage value1 to 1 or 0, the function return the number of -1 appeared in
     the valu1 and value2     """
    if row_1 == row_2:
        return row_2
    for i in range(len(row_1)):
        if row_1[i] != row_2[i]:
            if row_1[i] == -1:
                row_1[i] = row_2[i]
            elif row_2[i] == -1:
                continue
            else:
                return # if problem with the check
    return row_1


def first_line_solution(constraints, start_bord):
    """ its make reverse and if there isnt start bord, its make one  """
    rows_number = len(constraints[0])
    check_index = 1
    row_side_sol = make_list_of_index(start_bord)
    new_lines = check_row_and_line(check_index, constraints, rows_number,
                                   [], row_side_sol)
    line_result = make_list_of_index(new_lines)
    return line_result


def check_row_and_line(index, constraints, line_number,tmp_solution,start_row):
    """
    :return: posibale option for bord by check the row
    """
    tmp_result = []
    for i, value in enumerate(constraints[index]):
        if not (bool(value)):
            tmp_solution.append([WHITE] * line_number)
            continue
        if len(value) == 1 and sum(value) == line_number:
            tmp_solution.append([BLACK] * line_number)
            continue
        else:
            if type(start_row[0]) is list:
                tmp_result = get_row_variations(start_row[i], value)
            if not type(start_row[0]) is list:
                tmp_result = get_row_variations([-1] * line_number, value)
            if len(tmp_result) == 1:
                tmp_solution.append(tmp_result[0])
                continue
            if len(tmp_result) > 1:
                the_best_option = get_intersection_row(tmp_result)
                tmp_solution.append(the_best_option)
            else:
                tmp_solution.append([UNKNOWN] * line_number)
    return tmp_solution

##########################################################################^3

def solve_nonogram_helper4(constraints, option, simple_result, num=0,
                           first_enter=True):
    """
   A function that solves a board with the help of possible rows inlay and if
   there are no contradictions the function takes the board out
    """
    global rows_option
    if first_enter:
```

```
        simple_result = solve_easy_nonogram(constraints) ### solve easy
        if not rows_with_unknown_check(simple_result):
            return [simple_result]

    if not simple_result:
        return
    # list of the index of rows with -1
    list_of_index = rows_with_unknown_check(simple_result)
    if not list_of_index:
        if option:
            if check_if_results_same(option, simple_result):
                return
        return option.append(simple_result)
    index = list_of_index[num]
    if list_of_index:
        rows_option = get_row_variations(simple_result[index],
                                         constraints[0][index])
    for j in range(len(rows_option)):
        if UNKNOWN in rows_option[j] and rows_option[j][1:] \
                == rows_option[j][:-1]:
            continue
        if rows_option[j] == simple_result[index]:
            continue
        simple_result[index] = rows_option[j]
        simple_result = check_row_and_line(0, constraints, len(constraints[1])
                                           , [], simple_result)
        solve_nonogram_helper4(constraints, option, simple_result, 0, False)
        if j == len(rows_option) - 1 and index == list_of_index[-1]:
            return
    return option


def check_if_results_same(option, simple_result):
    """ return TRUE if same
     else return false"""
    for i in option:
        if i == simple_result:
            return True
    return False


def rows_with_unknown_check(bord):
    """check if the bord contain -1
    :param bord: the list of list (the bord)
    :return: [] if the bord is full'
     else return list with the row index who contain -1"""
    rows_with_unknown = []
    if not bord:
        return
    for i, row in enumerate(bord):
        if UNKNOWN in row:
            rows_with_unknown.append(i)
    return rows_with_unknown


def solve_nonogram(constraints):
    return solve_nonogram_helper4(constraints, [], [])

############################################################~4


def count_row_variations(length, blocks):
    num_block = len(blocks)
    the_amount_of_black = sum(blocks)
    k = length - the_amount_of_black - (num_block - 1)
    if k < 0:
        return 0
    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
```