SnakeViz

Call Stack

Reset Root

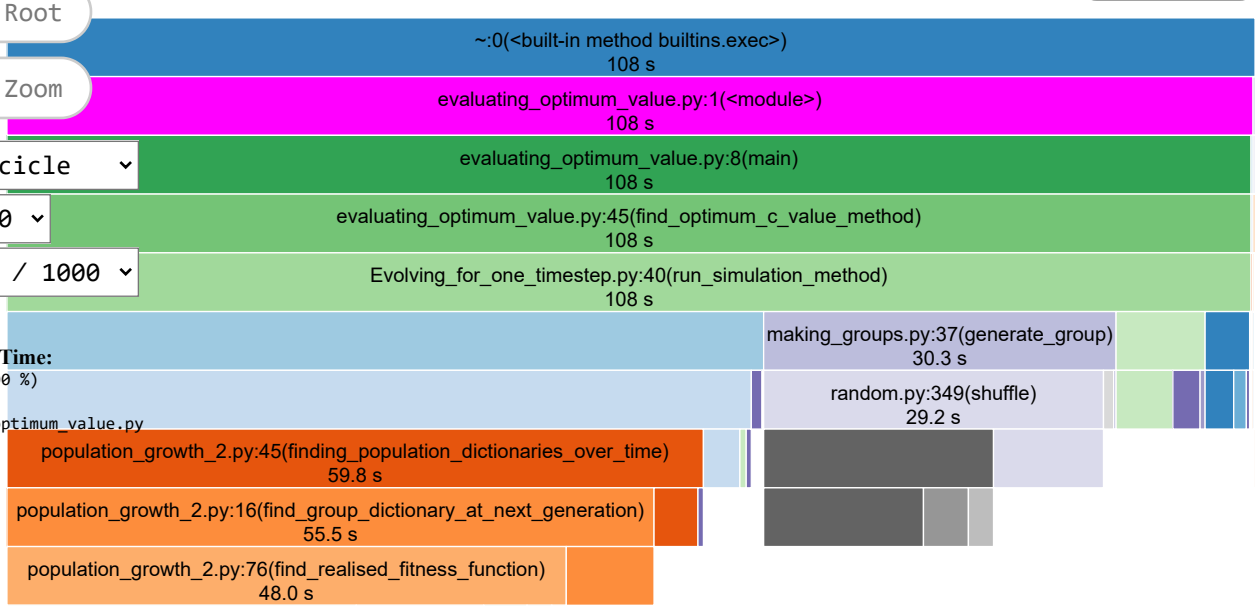
Reset Zoom

Style: Icicle

Depth: 10

Cutoff: 1 / 1000

Name:
<module>
Cumulative Time:
108 s (100.00 %)
File:
evaluating_optimum_value.py
Line:
1
Directory:



Search:

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	1e-07	1e-07	1e-07	1e-07	sre_parse.py:101(checklookbehindgroup)
1	2e-07	2e-07	2e-07	2e-07	__init__.py:200(c_longdouble)
1	2e-07	2e-07	2e-07	2e-07	__init__.py:244(c_void_p)
1	2e-07	2e-07	2e-07	2e-07	pathlib.py:1568(PosixPath)
1	2e-07	2e-07	2e-07	2e-07	__init__.py:1(<module>)
1	2e-07	2e-07	2e-07	2e-07	parse.py:340(DefragResultBytes)
1	2e-07	2e-07	2e-07	2e-07	pickle.py:77(PicklingError)
1	2e-07	2e-07	2e-07	2e-07	fromnumeric.py:2795(_amin_dispatcher)
1	2e-07	2e-07	2e-07	2e-07	subprocess.py:650(_use_posix_spawn)
1	2e-07	2e-07	2e-07	2e-07	_iotools.py:429(ConverterLockError)
1	2e-07	2e-07	2e-07	2e-07	_iotools.py:437(ConversionWarning)
1	2e-07	2e-07	2e-07	2e-07	random.py:806(seed)
1	2e-07	2e-07	2e-07	2e-07	~:0(<method '__enter__' of '_thread.lock' objects>)
1	3e-07	3e-07	3e-07	3e-07	_globals.py:47(VisibleDeprecationWarning)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:163(c_short)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:167(c_ushort)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:171(c_long)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:175(c_ulong)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:192(c_float)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:196(c_double)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:210(c_longlong)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:228(c_byte)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:233(c_char)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:249(c_bool)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:254(c_wchar_p)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:259(c_wchar)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:406(WinDLL)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	3e-07	3e-07	3e-07	3e-07	__init__.py:415(HRESULT)
1	3e-07	3e-07	3e-07	3e-07	pathlib.py:518(_TerminatingSelector)
1	3e-07	3e-07	3e-07	3e-07	pathlib.py:1575(WindowsPath)
1	3e-07	3e-07	3e-07	3e-07	parse.py:334(ParseResult)
1	3e-07	3e-07	3e-07	3e-07	parse.py:353(ParseResultBytes)
1	3e-07	3e-07	3e-07	3e-07	pickle.py:84(UnpicklingError)
1	3e-07	3e-07	3e-07	3e-07	fromnumeric.py:2670(_amax_dispatcher)
1	3e-07	3e-07	3e-07	3e-07	_exceptions.py:118(TooHardError)
1	3e-07	3e-07	3e-07	3e-07	arrayprint.py:1336(TimedeltaFormat)
1	3e-07	3e-07	3e-07	3e-07	subprocess.py:241(_cleanup)
1	3e-07	3e-07	3e-07	3e-07	threading.py:1107(daemon)
1	3e-07	3e-07	3e-07	3e-07	_iotools.py:421(ConverterError)
1	3e-07	3e-07	3e-07	3e-07	core.py:147(MAError)
1	3e-07	3e-07	3e-07	3e-07	core.py:155(MaskError)
1	3e-07	3e-07	3e-07	3e-07	core.py:870(_DomainGreaterEqual)
1	3e-07	3e-07	3e-07	3e-07	extras.py:282(_fromnxfunction_seq)
1	3e-07	3e-07	3e-07	3e-07	extras.py:320(_fromnxfunction_allargs)
1	3e-07	3e-07	3e-07	3e-07	~:0(<built-in method _thread.get_native_id>)
1	4e-07	4e-07	4e-07	4e-07	__init__.py:221(c_ubyte)
1	4e-07	4e-07	4e-07	4e-07	__init__.py:238(c_char_p)
1	4e-07	4e-07	4e-07	4e-07	_endian.py:46(BigEndianStructure)
1	4e-07	4e-07	4e-07	4e-07	pathlib.py:540(_WildcardSelector)
1	4e-07	4e-07	4e-07	4e-07	parse.py:139(_ResultMixinBytes)
1	4e-07	4e-07	4e-07	4e-07	parse.py:329(SplitResult)
1	4e-07	4e-07	4e-07	4e-07	parse.py:348(SplitResultBytes)
1	4e-07	4e-07	4e-07	4e-07	pickle.py:97(_Stop)
1	4e-07	4e-07	4e-07	4e-07	_ufunc_config.py:359(_unspecified)
2	4e-07	2e-07	4e-07	2e-07	arrayprint.py:493(_recursive_guard)
1	4e-07	4e-07	4e-07	4e-07	arrayprint.py:898(_none_or_positive_arg)
1	4e-07	4e-07	4e-07	4e-07	arrayprint.py:1235(BoolFormat)
1	4e-07	4e-07	4e-07	4e-07	arrayprint.py:1278(_TimelikeFormat)
1	4e-07	4e-07	4e-07	4e-07	threading.py:469(BoundedSemaphore)
1	4e-07	4e-07	4e-07	4e-07	threading.py:743(BrokenBarrierError)
1	4e-07	4e-07	4e-07	4e-07	threading.py:1272(_MainThread)
1	4e-07	4e-07	4e-07	4e-07	index_tricks.py:429(RClass)
1	4e-07	4e-07	4e-07	4e-07	index_tricks.py:531(CClass)
1	4e-07	4e-07	4e-07	4e-07	core.py:823(__init__)
1	4e-07	4e-07	4e-07	4e-07	core.py:886(_MaskedUFunc)
1	4e-07	4e-07	4e-07	4e-07	extras.py:295(_fromnxfunction_args)
2	4e-07	2e-07	4e-07	2e-07	~:0(<method 'end' of 're.Match' objects>)
1	4e-07	4e-07	4e-07	4e-07	~:0(<method '__exit__' of 'nt.ScandirIterator' objects>)
2	4e-07	2e-07	4e-07	2e-07	~:0(<method 'keys' of 'dict' objects>)
1	4e-07	4e-07	4e-07	4e-07	~:0(<built-in method numpy.core._multiarray_umath._reload_guard>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	5e-07	5e-07	5e-07	5e-07	functools.py:940(__set_name__)
1	5e-07	5e-07	5e-07	5e-07	contextlib.py:467(__enter__)
1	5e-07	5e-07	9e-07	9e-07	sre_parse.py:98(checkgroup)
1	5e-07	5e-07	7e-07	7e-07	copyreg.py:22(constructor)
1	5e-07	5e-07	5e-07	5e-07	evaluating_optimum_value.py:40(__init__)
1	5e-07	5e-07	5e-07	5e-07	__init__.py:214(c_ulonglong)
1	5e-07	5e-07	5e-07	5e-07	pathlib.py:1033(PurePosixPath)
1	5e-07	5e-07	5e-07	5e-07	parse.py:321(DefragResult)
1	5e-07	5e-07	5e-07	5e-07	pickle.py:73(PickleError)
1	5e-07	5e-07	5e-07	5e-07	numeric.py:60(ComplexWarning)
1	5e-07	5e-07	5e-07	5e-07	fromnumeric.py:3253(_around_dispatcher)
1	5e-07	5e-07	5e-07	5e-07	_exceptions.py:99(_UFuncOutputCastingError)
1	5e-07	5e-07	5e-07	5e-07	arrayprint.py:1222(IntegerFormat)
1	5e-07	5e-07	5e-07	5e-07	arrayprint.py:1341(SubArrayFormat)
1	5e-07	5e-07	5e-07	5e-07	subprocess.py:105(SubprocessError)
1	5e-07	5e-07	7e-07	7e-07	threading.py:259(__exit__)
1	5e-07	5e-07	9e-07	9e-07	threading.py:271(_is_owned)
1	5e-07	5e-07	7e-07	7e-07	threading.py:918(_set_ident)
1	5e-07	5e-07	5e-07	5e-07	_internal.py:244(c_void_p)
1	5e-07	5e-07	5e-07	5e-07	index_tricks.py:259(OGridClass)
1	5e-07	5e-07	5e-07	5e-07	index_tricks.py:711(IndexExpression)
1	5e-07	5e-07	5e-07	5e-07	polyutils.py:43(RankWarning)
1	5e-07	5e-07	5e-07	5e-07	extras.py:264(_fromnxfunction_single)
1	5e-07	5e-07	5e-07	5e-07	extras.py:1495(mr_class)
1	5e-07	5e-07	5e-07	5e-07	~:0(<built-in method numpy.asarray>)
1	6e-07	6e-07	6e-07	6e-07	multiarray.py:148(concatenate)
1	6e-07	6e-07	6e-07	6e-07	multiarray.py:1071(copyto)
1	6e-07	6e-07	6e-07	6e-07	pathlib.py:394(_Accessor)
1	6e-07	6e-07	6e-07	6e-07	pathlib.py:493(_Selector)
1	6e-07	6e-07	6e-07	6e-07	pathlib.py:524(_PreciseSelector)
1	6e-07	6e-07	6e-07	6e-07	pathlib.py:1043(PureWindowsPath)
1	6e-07	6e-07	6e-07	6e-07	parse.py:216(_NetlocResultMixinBytes)
1	6e-07	6e-07	6e-07	6e-07	numerictypes.py:424(_typedict)
1	6e-07	6e-07	6e-07	6e-07	_exceptions.py:54(_UFuncNoLoopError)
1	6e-07	6e-07	6e-07	6e-07	_exceptions.py:72(_UFuncCastingError)
1	6e-07	6e-07	6e-07	6e-07	_exceptions.py:81(_UFuncInputCastingError)
1	6e-07	6e-07	6e-07	6e-07	threading.py:1293(_DummyThread)
1	6e-07	6e-07	6e-07	6e-07	socket.py:211(_GiveupOnSendfile)
1	6e-07	6e-07	6e-07	6e-07	index_tricks.py:209(MGridClass)
1	6e-07	6e-07	6e-07	6e-07	core.py:833(_DomainSafeDivide)
3	6e-07	2e-07	6e-07	2e-07	core.py:860(__init__)
1	6e-07	6e-07	6e-07	6e-07	~:0(<method 'copy' of 'dict' objects>)
1	7e-07	7e-07	7e-07	7e-07	_globals.py:33(ModuleDeprecationWarning)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	7e-07	7e-07	7e-07	7e-07	_endian.py:23(_swapped_meta)
1	7e-07	7e-07	7e-07	7e-07	decoder.py:20(JSONDecodeError)
1	7e-07	7e-07	7e-07	7e-07	pathlib.py:571(_RecursiveWildcardSelector)
1	7e-07	7e-07	7e-07	7e-07	parse.py:186(_NetlocResultMixinStr)
1	7e-07	7e-07	7e-07	7e-07	numbers.py:12(Number)
1	7e-07	7e-07	7e-07	7e-07	_exceptions.py:32(UFuncTypeError)
2	7e-07	3.5e-07	7e-07	3.5e-07	index_tricks.py:755(__init__)
1	7e-07	7e-07	7e-07	7e-07	core.py:790(_DomainCheckInterval)
1	7e-07	7e-07	7e-07	7e-07	Evolving_for_one_timestep.py:37(run_simulation_class)
1	7e-07	7e-07	7e-07	7e-07	parameters_class_file.py:2(parameters_class)
1	7e-07	7e-07	1.52e-05	1.52e-05	parameters_class_file.py:2(<module>)
3	7e-07	2.333e-07	7e-07	2.333e-07	~:0(<method 'clear' of 'dict' objects>)
2	7e-07	3.5e-07	7e-07	3.5e-07	~:0(<built-in method sys.audit>)
1	8e-07	8e-07	8e-07	8e-07	contextlib.py:63(_recreate_cm)
1	8e-07	8e-07	8e-07	8e-07	__init__.py:397(PyDLL)
1	8e-07	8e-07	8e-07	8e-07	__init__.py:428(OleDLL)
1	8e-07	8e-07	8e-07	8e-07	_exceptions.py:123(AxisError)
1	8e-07	8e-07	8e-07	8e-07	threading.py:1242(Timer)
2	8e-07	4e-07	8e-07	4e-07	index_tricks.py:145(__init__)
1	8e-07	8e-07	8e-07	8e-07	index_tricks.py:563(ndenumerate)
1	8e-07	8e-07	8e-07	8e-07	linalg.py:43(LinAlgError)
1	8e-07	8e-07	8e-07	8e-07	polynomial.py:28(RankWarning)
1	8e-07	8e-07	8e-07	8e-07	npyio.py:40(BagObj)
1	8e-07	8e-07	8e-07	8e-07	core.py:815(_DomainTan)
1	8e-07	8e-07	8e-07	8e-07	core.py:854(_DomainGreater)
1	8e-07	8e-07	6.2e-06	6.2e-06	core.py:1322(make_mask_descr)
1	8e-07	8e-07	8e-07	8e-07	core.py:2384(__init__)
1	8e-07	8e-07	8e-07	8e-07	absolute_fitness_equations_classes_2.py:3(individual_fitness_functions_for
1	8e-07	8e-07	8e-07	8e-07	absolute_fitness_equations_classes_2.py:29(fitness_of_group_class)
2	8e-07	4e-07	8e-07	4e-07	~:0(<method 'acquire' of '_thread.lock' objects>)
1	8e-07	8e-07	8e-07	8e-07	~:0(<built-in method time.time>)
1	8e-07	8e-07	8e-07	8e-07	~:0(<built-in method msvcrt.get_osfhandle>)
5	9e-07	1.8e-07	9e-07	1.8e-07	enum.py:1016(<lambda>)
2	9e-07	4.5e-07	9e-07	4.5e-07	__init__.py:102(CFunctionType)
5	9e-07	1.8e-07	1.1e-06	2.2e-07	datetime.py:445(_check_tzinfo_arg)
1	9e-07	9e-07	9e-07	9e-07	parse.py:131(_ResultMixinStr)
1	9e-07	9e-07	1.04e-05	1.04e-05	<__array_function__ internals>:177(amin)
1	9e-07	9e-07	9e-07	9e-07	_ufunc_config.py:366(errstate)
1	9e-07	9e-07	9e-07	9e-07	arrayprint.py:1304(DatetimeFormat)
1	9e-07	9e-07	9e-07	9e-07	subprocess.py:197(Handle)
1	9e-07	9e-07	9e-07	9e-07	threading.py:1189(_make_invoke_excepthook)
1	9e-07	9e-07	9e-07	9e-07	index_tricks.py:110(nd_grid)
1	9e-07	9e-07	1.2e-06	1.2e-06	index_tricks.py:299(__init__)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	9e-07	9e-07	1.6e-06	1.6e-06	index_tricks.py:556(__init__)
1	9e-07	9e-07	9e-07	9e-07	stride_tricks.py:15(DummyArray)
1	9e-07	9e-07	9e-07	9e-07	core.py:83(MaskedArrayFutureWarning)
2	9e-07	4.5e-07	9e-07	4.5e-07	core.py:876(__init__)
3	9e-07	3e-07	9e-07	3e-07	~:0(<built-in method builtins.callable>)
1	1e-06	1e-06	1e-06	1e-06	codecs.py:260(__init__)
1	1e-06	1e-06	1e-06	1e-06	evaluating_optimum_value.py:39(find_optimum_c_value_class)
2	1e-06	5e-07	1e-06	5e-07	glob.py:154(_ishidden)
1	1e-06	1e-06	1e-06	1e-06	__init__.py:154(py_object)
1	1e-06	1e-06	1.9e-05	1.9e-05	_version.py:20(get_versions)
1	1e-06	1e-06	1e-06	1e-06	py3k.py:84(contextlib_nullcontext)
1	1e-06	1e-06	1e-06	1e-06	_exceptions.py:38(_UFuncBinaryResolutionError)
5	1e-06	2e-07	1e-06	2e-07	platform.py:773(_unknown_as_blank)
1	1e-06	1e-06	1.2e-06	1.2e-06	subprocess.py:145(TimeoutExpired)
1	1e-06	1e-06	1e-06	1e-06	subprocess.py:174(STARTUPINFO)
2	1e-06	5e-07	1e-06	5e-07	subprocess.py:1445(_internal_poll)
1	1e-06	1e-06	1.2e-06	1.2e-06	threading.py:256(__enter__)
1	1e-06	1e-06	1e-06	1e-06	threading.py:386(Semaphore)
1	1e-06	1e-06	1e-06	1e-06	_pytesttester.py:48(PytestTester)
1	1e-06	1e-06	1e-06	1e-06	utils.py:54(_Deprecate)
1	1e-06	1e-06	1e-06	1e-06	_datasource.py:74(_FileOpeners)
1	1e-06	1e-06	1e-06	1e-06	core.py:193(<listcomp>)
1	1e-06	1e-06	1e-06	1e-06	core.py:896(_MaskedUnaryOperation)
1	1e-06	1e-06	1e-06	1e-06	core.py:1118(_DomainedBinaryOperation)
1	1e-06	1e-06	1e-06	1e-06	core.py:6742(_frommethod)
1	1e-06	1e-06	1e-06	1e-06	population_growth_2.py:7(population_growth_for_group_class)
2	1e-06	5e-07	1e-06	5e-07	~:0(<built-in method _stat.S_ISDIR>)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	_globals.py:60(_NoValueType)
2	1.1e-06	5.5e-07	1.5e-06	7.5e-07	glob.py:84(<genexpr>)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	__future__.py:81(_Feature)
1	1.1e-06	1.1e-06	2.1e-06	2.1e-06	<string>:1(<lambda>)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	arrayprint.py:72(<dictcomp>)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	arrayprint.py:905(FloatingFormat)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	arrayprint.py:1351(StructuredVoidFormat)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	subprocess.py:205(Detach)
3	1.1e-06	3.667e-07	1.7e-06	5.667e-07	core.py:1355(getmask)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	making_groups.py:9(generate_groups)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	population_growth_for_n_groups.py:5(population_growth_for_n_groups_cl
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	~:0(<method 'cast' of 'memoryview' objects>)
4	1.1e-06	2.75e-07	1.1e-06	2.75e-07	~:0(<built-in method _warnings._filters_mutated>)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	~:0(<method 'disable' of '_lsprof.Profiler' objects>)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	~:0(<built-in method _hashlib.openssl_sha3_256>)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	~:0(<built-in method _hashlib.openssl_sha3_384>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	~:0(<built-in method _hashlib.openssl_shake_128>)
1	1.1e-06	1.1e-06	1.1e-06	1.1e-06	~:0(<built-in method _hashlib.openssl_shake_256>)
1	1.2e-06	1.2e-06	1.2e-06	1.2e-06	os.py:1084(__init__)
3	1.2e-06	4e-07	1.2e-06	4e-07	__init__.py:502(CFunctionType)
3	1.2e-06	4e-07	2.57e-05	8.567e-06	__init__.py:501(PYFUNCTYPE)
1	1.2e-06	1.2e-06	1.2e-06	1.2e-06	pickle.py:263(_Unframer)
6	1.2e-06	2e-07	1.2e-06	2e-07	_type_aliases.py:92(<genexpr>)
2	1.2e-06	6e-07	1.2e-06	6e-07	fromnumeric.py:70(<dictcomp>)
1	1.2e-06	1.2e-06	3.67e-05	3.67e-05	<__array_function__ internals>:177(amax)
1	1.2e-06	1.2e-06	1.24e-05	1.24e-05	_internal.py:240(_missing_ctypes)
1	1.2e-06	1.2e-06	1.2e-06	1.2e-06	index_tricks.py:612(ndindex)
1	1.2e-06	1.2e-06	1.2e-06	1.2e-06	_iotools.py:133(LineSplitter)
2	1.2e-06	6e-07	1.2e-06	6e-07	core.py:3423(shape)
4	1.2e-06	3e-07	1.2e-06	3e-07	core.py:6436(__has_singleton)
1	1.2e-06	1.2e-06	1.2e-06	1.2e-06	extras.py:214(_fromnxfunction)
1	1.2e-06	1.2e-06	1.2e-06	1.2e-06	~:0(<method 'tolist' of 'memoryview' objects>)
1	1.3e-06	1.3e-06	1.6e-06	1.6e-06	_weakrefset.py:82(add)
5	1.3e-06	2.6e-07	1.3e-06	2.6e-07	datetime.py:50(_days_in_month)
1	1.3e-06	1.3e-06	1.3e-06	1.3e-06	_ufunc_config.py:29(<dictcomp>)
1	1.3e-06	1.3e-06	1.3e-06	1.3e-06	_machar.py:17(MachAr)
1	1.3e-06	1.3e-06	1.3e-06	1.3e-06	subprocess.py:1014(__enter__)
1	1.3e-06	1.3e-06	9.2e-06	9.2e-06	threading.py:374(notify_all)
1	1.3e-06	1.3e-06	2.7e-06	2.7e-06	index_tricks.py:524(__init__)
1	1.3e-06	1.3e-06	1.3e-06	1.3e-06	_datasource.py:99(__init__)
1	1.3e-06	1.3e-06	1.3e-06	1.3e-06	core.py:970(_MaskedBinaryOperation)
2	1.3e-06	6.5e-07	1.3e-06	6.5e-07	~:0(<method 'copy' of 'list' objects>)
1	1.3e-06	1.3e-06	1.3e-06	1.3e-06	~:0(<built-in method _hashlib.openssl_sha512>)
1	1.4e-06	1.4e-06	4e-06	4e-06	os.py:1073(__subclasshook__)
1	1.4e-06	1.4e-06	1.24e-05	1.24e-05	__init__.py:384(__getattr__)
1	1.4e-06	1.4e-06	1.4e-06	1.4e-06	pickle.py:200(_Framer)
1	1.4e-06	1.4e-06	1.4e-06	1.4e-06	arrayprint.py:1245(ComplexFloatingFormat)
1	1.4e-06	1.4e-06	1.4e-06	1.4e-06	records.py:308(recarray)
1	1.4e-06	1.4e-06	1.4e-06	1.4e-06	getlimits.py:594(iinfo)
4	1.4e-06	3.5e-07	5.6e-06	1.4e-06	selectors.py:584(_can_use)
1	1.4e-06	1.4e-06	1.4e-06	1.4e-06	random.py:779(SystemRandom)
1	1.4e-06	1.4e-06	1.4e-06	1.4e-06	core.py:194(<listcomp>)
1	1.4e-06	1.4e-06	1.4e-06	1.4e-06	core.py:8088(_convert2ma)
1	1.4e-06	1.4e-06	1.4e-06	1.4e-06	~:0(<built-in method msvcrt.open_osfhandle>)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	__init__.py:437(LibraryLoader)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	decoder.py:254(JSONDecoder)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	datetime.py:1214(IsoCalendarDate)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	pathlib.py:57(_Flavour)
1	1.5e-06	1.5e-06	8.4e-06	8.4e-06	fromnumeric.py:2800(amin)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	subprocess.py:428(CompletedProcess)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	threading.py:216(Condition)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	_internal.py:559(_Stream)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	ctypeslib.py:183(_ndptr)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	ctypeslib.py:204(_concrete_ndptr)
4	1.5e-06	3.75e-07	1.5e-06	3.75e-07	~:0(<method 'pop' of 'collections.deque' objects>)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	~:0(<built-in method _hashlib.openssl_sha224>)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	~:0(<built-in method _hashlib.openssl_sha256>)
1	1.5e-06	1.5e-06	1.5e-06	1.5e-06	~:0(<built-in method _hashlib.openssl_sha3_512>)
1	1.6e-06	1.6e-06	1.6e-06	1.6e-06	encoder.py:73(JSONEncoder)
3	1.6e-06	5.333e-07	2.1e-06	7e-07	datetime.py:2236(_create)
1	1.6e-06	1.6e-06	1.8e-06	1.8e-06	numbers.py:267(Rational)
1	1.6e-06	1.6e-06	7.9e-06	7.9e-06	threading.py:521(__init__)
1	1.7e-06	1.7e-06	1.7e-06	1.7e-06	__init__.py:319(CDLL)
2	1.7e-06	8.5e-07	1.7e-06	8.5e-07	pathlib.py:61(__init__)
1	1.7e-06	1.7e-06	1.7e-06	1.7e-06	records.py:223(record)
1	1.7e-06	1.7e-06	1.7e-06	1.7e-06	platform.py:741(_Processor)
1	1.7e-06	1.7e-06	2e-06	2e-06	subprocess.py:1045(__del__)
1	1.7e-06	1.7e-06	1.7e-06	1.7e-06	selectors.py:61(_SelectorMapping)
1	1.7e-06	1.7e-06	1.7e-06	1.7e-06	selectors.py:207(_BaseSelectorImpl)
1	1.7e-06	1.7e-06	1.7e-06	1.7e-06	_internal.py:205(dummy_ctype)
4	1.7e-06	4.25e-07	3.1e-06	7.75e-07	mixins.py:51(_unary_method)
1	1.7e-06	1.7e-06	1.7e-06	1.7e-06	npyio.py:104(NpzFile)
1	1.7e-06	1.7e-06	1.7e-06	1.7e-06	_datasource.py:535(Repository)
3	1.7e-06	5.667e-07	1.7e-06	5.667e-07	core.py:799(__init__)
4	1.7e-06	4.25e-07	1.7e-06	4.25e-07	~:0(<method 'append' of 'collections.deque' objects>)
5	1.7e-06	3.4e-07	1.7e-06	3.4e-07	~:0(<method 'insert' of 'list' objects>)
3	1.8e-06	6e-07	2.5e-06	8.333e-07	ntpath.py:34(_get_bothseps)
3	1.8e-06	6e-07	1.8e-06	6e-07	datetime.py:45(_days_before_year)
11	1.8e-06	1.636e-07	2.7e-06	2.455e-07	arrayprint.py:994(<genexpr>)
1	1.8e-06	1.8e-06	1.8e-06	1.8e-06	selectors.py:342(_PollLikeSelector)
1	1.8e-06	1.8e-06	2.3e-06	2.3e-06	index_tricks.py:252(__init__)
1	1.8e-06	1.8e-06	3.6e-06	3.6e-06	extras.py:1513(__init__)
2	1.8e-06	9e-07	1.8e-06	9e-07	~:0(<method 'groups' of 're.Match' objects>)
1	1.9e-06	1.9e-06	5.6e-06	5.6e-06	_collections_abc.py:362(__subclasshook__)
4	1.9e-06	4.75e-07	1.9e-06	4.75e-07	__init__.py:438(__init__)
1	1.9e-06	1.9e-06	1.8e-05	1.8e-05	__init__.py:299(loads)
1	1.9e-06	1.9e-06	1.9e-06	1.9e-06	encoder.py:104(__init__)
2	1.9e-06	9.5e-07	1.84e-05	9.2e-06	datetime.py:665(__neg__)
1	1.9e-06	1.9e-06	1.9e-06	1.9e-06	pathlib.py:285(_PosixFlavour)
1	1.9e-06	1.9e-06	1.9e-06	1.9e-06	subprocess.py:1328(<setcomp>)
1	1.9e-06	1.9e-06	1.9e-06	1.9e-06	threading.py:510(Event)
1	1.9e-06	1.9e-06	1.9e-06	1.9e-06	function_base.py:2092(vectorize)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	1.9e-06	1.9e-06	1.9e-06	1.9e-06	core.py:2595(MaskedIterator)
12	1.9e-06	1.583e-07	1.9e-06	1.583e-07	~:0(<method 'islower' of 'str' objects>)
1	2e-06	2e-06	2e-06	2e-06	subprocess.py:439(__init__)
1	2e-06	2e-06	2e-06	2e-06	_version.py:14(NumpyVersion)
1	2e-06	2e-06	2e-06	2e-06	core.py:189(<listcomp>)
1	2e-06	2e-06	2e-06	2e-06	core.py:2378(_MaskedPrintOption)
2	2e-06	1e-06	2e-06	1e-06	~:0(<built-in method maketrans>)
1	2.1e-06	2.1e-06	8.2e-06	8.2e-06	contextlib.py:215(contextmanager)
2	2.1e-06	1.05e-06	2.1e-06	1.05e-06	enum.py:410(__iter__)
1	2.1e-06	2.1e-06	2.1e-06	2.1e-06	pathlib.py:137(<setcomp>)
1	2.1e-06	2.1e-06	2.1e-06	2.1e-06	records.py:87(format_parser)
1	2.1e-06	2.1e-06	2.1e-06	2.1e-06	getlimits.py:363(finfo)
1	2.1e-06	2.1e-06	2.4e-06	2.4e-06	threading.py:922(_set_native_id)
1	2.1e-06	2.1e-06	2.1e-06	2.1e-06	selectors.py:291(SelectSelector)
1	2.1e-06	2.1e-06	2.1e-06	2.1e-06	index_tricks.py:306(AxisConcatenator)
1	2.1e-06	2.1e-06	2.1e-06	2.1e-06	Declaring_winner.py:2(<module>)
1	2.1e-06	2.1e-06	2.1e-06	2.1e-06	~:0(<built-in method sys.exc_info>)
12	2.2e-06	1.833e-07	2.2e-06	1.833e-07	<frozen importlib._bootstrap>:782(is_package)
2	2.2e-06	1.1e-06	2.4e-05	1.2e-05	ntpath.py:221(dirname)
1	2.2e-06	2.2e-06	2.3e-05	2.3e-05	platform.py:1105(python_implementation)
1	2.2e-06	2.2e-06	2.2e-06	2.2e-06	_datasource.py:196(DataSource)
6	2.2e-06	3.667e-07	2.2e-06	3.667e-07	~:0(<built-in method _winapi.GetCurrentProcess>)
1	2.2e-06	2.2e-06	2.2e-06	2.2e-06	~:0(<built-in method _winapi.GetStdHandle>)
2	2.3e-06	1.15e-06	2.5e-06	1.25e-06	functools.py:478(lru_cache)
9	2.3e-06	2.556e-07	2.3e-06	2.556e-07	_globals.py:90(__repr__)
3	2.3e-06	7.667e-07	2.3e-06	7.667e-07	__init__.py:368(_FuncPtr)
1	2.3e-06	2.3e-06	2.3e-06	2.3e-06	parse.py:359(_fix_result_transcoding)
1	2.3e-06	2.3e-06	9.5e-06	9.5e-06	<__array_function__ internals>:177(copyto)
1	2.3e-06	2.3e-06	2.9e-06	2.9e-06	subprocess.py:108(CalledProcessError)
1	2.3e-06	2.3e-06	2.3e-06	2.3e-06	threading.py:589(Barrier)
1	2.3e-06	2.3e-06	2.3e-06	2.3e-06	arrayterator.py:16(Arrayterator)
1	2.3e-06	2.3e-06	2.3e-06	2.3e-06	~:0(<built-in method _thread._set_sentinel>)
1	2.4e-06	2.4e-06	5.14e-05	5.14e-05	fromnumeric.py:3257(around)
1	2.4e-06	2.4e-06	8.63e-05	8.63e-05	arrayprint.py:780(_formatArray)
1	2.4e-06	2.4e-06	2.4e-06	2.4e-06	memmap.py:22(memmap)
1	2.4e-06	2.4e-06	2.4e-06	2.4e-06	getlimits.py:32(MachArLike)
4	2.4e-06	6e-07	2.4e-06	6e-07	core.py:3407(dtype)
1	2.4e-06	2.4e-06	2.4e-06	2.4e-06	~:0(<built-in method builtins.locals>)
2	2.5e-06	1.25e-06	5.9e-05	2.95e-05	enum.py:904(_missing_)
1	2.5e-06	2.5e-06	2.36e-05	2.36e-05	__init__.py:441(__getattr__)
1	2.5e-06	2.5e-06	5.63e-05	5.63e-05	<__array_function__ internals>:177(around)
1	2.5e-06	2.5e-06	0.000176	0.000176	arrayprint.py:411(<lambda>)
1	2.5e-06	2.5e-06	1.36e-05	1.36e-05	threading.py:535(set)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	2.5e-06	2.5e-06	2.5e-06	2.5e-06	~:0(<built-in method math.sqrt>)
7	2.5e-06	3.571e-07	2.5e-06	3.571e-07	~:0(<built-in method sys._getframe>)
1	2.6e-06	2.6e-06	0.0004363	0.0004363	glob.py:10(glob)
1	2.6e-06	2.6e-06	2.9e-06	2.9e-06	glob.py:23(iglob)
1	2.6e-06	2.6e-06	2.6e-06	2.6e-06	parse.py:795(Quoter)
1	2.6e-06	2.6e-06	3.5e-06	3.5e-06	threading.py:351(notify)
1	2.6e-06	2.6e-06	5.4e-06	5.4e-06	core.py:1308(_replace_dtype_fields)
1	2.7e-06	2.7e-06	2.7e-06	2.7e-06	__init__.py:261(<dictcomp>)
1	2.7e-06	2.7e-06	2.7e-06	2.7e-06	_exceptions.py:215(_ArrayMemoryError)
1	2.7e-06	2.7e-06	7.8e-06	7.8e-06	_ufunc_config.py:440(_setdef)
1	2.7e-06	2.7e-06	2.7e-06	2.7e-06	arrayprint.py:403(_get_formatdict)
8	2.7e-06	3.375e-07	2.7e-06	3.375e-07	getlimits.py:153(_register_type)
2	2.8e-06	1.4e-06	3.48e-05	1.74e-05	_collections_abc.py:766(__contains__)
1	2.8e-06	2.8e-06	1.17e-05	1.17e-05	warnings.py:165(simplefilter)
1	2.8e-06	2.8e-06	2.8e-06	2.8e-06	_weakrefset.py:37(__init__)
1	2.8e-06	2.8e-06	2.8e-06	2.8e-06	core.py:1276(_replace_dtype_fields_recursive)
7	2.8e-06	4e-07	2.8e-06	4e-07	~:0(<method 'mro' of 'type' objects>)
6	2.8e-06	4.667e-07	2.8e-06	4.667e-07	~:0(<built-in method builtins.vars>)
1	2.8e-06	2.8e-06	2.8e-06	2.8e-06	~:0(<built-in method numpy.core._multiarray_umath.set_typeDict>)
1	2.8e-06	2.8e-06	2.8e-06	2.8e-06	~:0(<built-in method _hashlib.openssl_sha3_224>)
2	2.9e-06	1.45e-06	1.03e-05	5.15e-06	datetime.py:823(__new__)
1	2.9e-06	2.9e-06	3.36e-05	3.36e-05	fromnumeric.py:2675(amax)
11	2.9e-06	2.636e-07	4e-06	3.636e-07	arrayprint.py:993(<genexpr>)
6	2.9e-06	4.833e-07	2.9e-06	4.833e-07	core.py:839(__init__)
1	2.9e-06	2.9e-06	2.9e-06	2.9e-06	core.py:6627(_extrema_operation)
1	2.9e-06	2.9e-06	2.9e-06	2.9e-06	~:0(<built-in method numpy.core._multiarray_umath._set_madvise_hugepag
1	3e-06	3e-06	3e-06	3e-06	parse.py:147(_NetlocResultMixinBase)
16	3e-06	1.875e-07	3e-06	1.875e-07	_dtype.py:24(_kind_name)
1	3e-06	3e-06	1.84e-05	1.84e-05	_version.py:1(<module>)
1	3.1e-06	3.1e-06	4.9e-05	4.9e-05	fromnumeric.py:51(_wrapfunc)
2	3.1e-06	1.55e-06	1.2e-05	6e-06	arrayprint.py:503(decorating_function)
2	3.2e-06	1.6e-06	4.7e-06	2.35e-06	ntpath.py:44(normcase)
1	3.2e-06	3.2e-06	5.1e-06	5.1e-06	subprocess.py:1321(_filter_handle_list)
3	3.2e-06	1.067e-06	2.86e-05	9.533e-06	ufunclike.py:58(_fix_and_maybe_deprecate_out_named_y)
2	3.2e-06	1.6e-06	3.31e-05	1.655e-05	random.py:117(__init__)
1	3.2e-06	3.2e-06	3.2e-06	3.2e-06	core.py:6237(mvoid)
2	3.2e-06	1.6e-06	3.09e-05	1.545e-05	core.py:6636(__init__)
1	3.3e-06	3.3e-06	0.0003047	0.0003047	fnmatch.py:44(_compile_pattern)
1	3.3e-06	3.3e-06	3.83e-05	3.83e-05	core.py:6460(__array_finalize__)
1	3.3e-06	3.3e-06	3.3e-06	3.3e-06	~:0(<built-in method _hashlib.openssl_sha384>)
1	3.4e-06	3.4e-06	3.4e-06	3.4e-06	subprocess.py:175(__init__)
2	3.4e-06	1.7e-06	3.8e-06	1.9e-06	core.py:6535(__setattr__)
10	3.5e-06	3.5e-07	3.5e-06	3.5e-07	__future__.py:83(__init__)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	3.5e-06	3.5e-06	0.0002147	0.0002147	ctypeslib.py:363(_get_scalar_type_map)
1	3.5e-06	3.5e-06	4.63e-05	4.63e-05	core.py:3121(view)
1	3.5e-06	3.5e-06	0.000803	0.000803	population_growth_for_n_groups.py:1(<module>)
11	3.5e-06	3.182e-07	3.5e-06	3.182e-07	~:0(<method 'upper' of 'str' objects>)
1	3.5e-06	3.5e-06	3.5e-06	3.5e-06	~:0(<built-in method _hashlib.openssl_sha1>)
2	3.6e-06	1.8e-06	3.44e-05	1.72e-05	ntpath.py:524(abspath)
1	3.6e-06	3.6e-06	9.6e-06	9.6e-06	_bootlocale.py:11(getpreferredencoding)
19	3.6e-06	1.895e-07	3.6e-06	1.895e-07	~:0(<built-in method builtins.id>)
3	3.7e-06	1.233e-06	8.6e-06	2.867e-06	glob.py:147(has_magic)
1	3.7e-06	3.7e-06	3.7e-06	3.7e-06	_type_aliases.py:41(<setcomp>)
1	3.7e-06	3.7e-06	3.7e-06	3.7e-06	~:0(<built-in method numpy.empty>)
1	3.8e-06	3.8e-06	1.85e-05	1.85e-05	abc.py:96(__instancecheck__)
1	3.8e-06	3.8e-06	1.46e-05	1.46e-05	__init__.py:188(<dictcomp>)
1	3.8e-06	3.8e-06	5.7e-06	5.7e-06	hermite_e.py:1650(HermiteE)
1	3.8e-06	3.8e-06	5.6e-06	5.6e-06	laguerre.py:1606(Laguerre)
1	3.8e-06	3.8e-06	3.8e-06	3.8e-06	random.py:218(__init_subclass__)
1	3.8e-06	3.8e-06	3.8e-06	3.8e-06	~:0(<built-in method _codecs.charmap_decode>)
16	3.8e-06	2.375e-07	1.42e-05	8.875e-07	~:0(<built-in method builtins.next>)
1	3.9e-06	3.9e-06	3.99e-05	3.99e-05	_globals.py:97(_CopyMode)
1	3.9e-06	3.9e-06	3.19e-05	3.19e-05	numerictypes.py:588(_register_types)
1	3.9e-06	3.9e-06	2.07e-05	2.07e-05	subprocess.py:1060(_get_devnull)
1	3.9e-06	3.9e-06	1.48e-05	1.48e-05	_dtype_ctypes.py:1(<module>)
3	3.9e-06	1.3e-06	3.9e-06	1.3e-06	index_tricks.py:316(__init__)
1	3.9e-06	3.9e-06	6e-06	6e-06	legendre.py:1619(Legendre)
2	4e-06	2e-06	5.4e-06	2.7e-06	copyreg.py:12(pickle)
23	4e-06	1.739e-07	4e-06	1.739e-07	overrides.py:196(array_function_from_dispatcher)
1	4e-06	4e-06	4e-06	4e-06	socket.py:661(SocketIO)
1	4e-06	4e-06	4e-06	4e-06	core.py:6432(MaskedConstant)
1	4.1e-06	4.1e-06	2.64e-05	2.64e-05	contextlib.py:75(__call__)
1	4.1e-06	4.1e-06	0.003535	0.003535	_version.py:7(<module>)
1	4.1e-06	4.1e-06	4.1e-06	4.1e-06	core.py:190(<listcomp>)
1	4.1e-06	4.1e-06	1.47e-05	1.47e-05	~:0(<built-in method _abc._abc_instancecheck>)
10	4.1e-06	4.1e-07	4.1e-06	4.1e-07	~:0(<method 'splitlines' of 'str' objects>)
32	4.2e-06	1.313e-07	4.2e-06	1.313e-07	signal.py:17(<lambda>)
19	4.2e-06	2.211e-07	4.2e-06	2.211e-07	~:0(<method 'discard' of 'set' objects>)
6	4.3e-06	7.167e-07	4.3e-06	7.167e-07	enum.py:419(__members__)
1	4.3e-06	4.3e-06	4.3e-06	4.3e-06	pathlib.py:136(<setcomp>)
1	4.3e-06	4.3e-06	2.36e-05	2.36e-05	_add_newdocs_scalars.py:17(numeric_type_aliases)
1	4.3e-06	4.3e-06	1.16e-05	1.16e-05	platform.py:779(uname_result)
1	4.3e-06	4.3e-06	6.5e-06	6.5e-06	chebyshev.py:1994(Chebyshev)
2	4.4e-06	2.2e-06	4.41e-05	2.205e-05	os.py:682(__setitem__)
1	4.4e-06	4.4e-06	1.76e-05	1.76e-05	<string>:1(<module>)
1	4.4e-06	4.4e-06	1.21e-05	1.21e-05	_dtype.py:1(<module>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	4.4e-06	4.4e-06	7.7e-06	7.7e-06	threading.py:925(_set_tstate_lock)
1	4.4e-06	4.4e-06	4.4e-06	4.4e-06	_internal.py:249(_ctypes)
4	4.5e-06	1.125e-06	0.0001799	4.498e-05	re.py:203(sub)
4	4.5e-06	1.125e-06	4.5e-06	1.125e-06	contextlib.py:383(_create_cb_wrapper)
2	4.5e-06	2.25e-06	1.05e-05	5.25e-06	datetime.py:1270(__new__)
1	4.5e-06	4.5e-06	6.3e-06	6.3e-06	numbers.py:294(Integral)
1	4.5e-06	4.5e-06	1.85e-05	1.85e-05	ufunclike.py:16(_deprecate_out_named_y)
1	4.5e-06	4.5e-06	4.5e-06	4.5e-06	~:0(<built-in method _winapi.GetExitCodeProcess>)
1	4.6e-06	4.6e-06	1.56e-05	1.56e-05	decoder.py:332(decode)
3	4.6e-06	1.533e-06	4.6e-06	1.533e-06	~:0(<method 'search' of 're.Pattern' objects>)
1	4.6e-06	4.6e-06	4.6e-06	4.6e-06	~:0(<method '__exit__' of 'PyHKEY' objects>)
20	4.7e-06	2.35e-07	4.7e-06	2.35e-07	enum.py:414(<genexpr>)
1	4.7e-06	4.7e-06	4.7e-06	4.7e-06	datetime.py:793(date)
2	4.8e-06	2.4e-06	3.64e-05	1.82e-05	os.py:688(__delitem__)
1	4.8e-06	4.8e-06	5.2e-06	5.2e-06	_globals.py:80(__new__)
1	4.8e-06	4.8e-06	4.8e-06	4.8e-06	datetime.py:1245(time)
1	4.8e-06	4.8e-06	2.38e-05	2.38e-05	datetime.py:2216(timezone)
21	4.8e-06	2.286e-07	4.8e-06	2.286e-07	_inspect.py:143(<lambda>)
1	4.8e-06	4.8e-06	1.8e-05	1.8e-05	numeric.py:149(ones)
1	4.8e-06	4.8e-06	4.8e-06	4.8e-06	_internal.py:217(_getintp_ctype)
1	4.8e-06	4.8e-06	4.8e-06	4.8e-06	_iotools.py:229(NameValidator)
1	4.8e-06	4.8e-06	6.8e-06	6.8e-06	hermite.py:1658(Hermite)
30	4.9e-06	1.633e-07	4.9e-06	1.633e-07	enum.py:768(value)
1	4.9e-06	4.9e-06	4.9e-06	4.9e-06	threading.py:228(__init__)
2	5e-06	2.5e-06	6.3e-06	3.15e-06	sre_parse.py:861(_parse_flags)
2	5e-06	2.5e-06	0.0004308	0.0002154	glob.py:41(_iglob)
43	5e-06	1.163e-07	5e-06	1.163e-07	_compat_pickle.py:165(<genexpr>)
1	5.1e-06	5.1e-06	5.1e-06	5.1e-06	datetime.py:473(timedelta)
1	5.1e-06	5.1e-06	1.41e-05	1.41e-05	polynomial.py:1472(Polynomial)
1	5.2e-06	5.2e-06	3.18e-05	3.18e-05	os.py:1100(add_dll_directory)
4	5.2e-06	1.3e-06	7.5e-06	1.875e-06	sre_parse.py:258(getwhile)
1	5.2e-06	5.2e-06	5.2e-06	5.2e-06	decoder.py:284(__init__)
1	5.2e-06	5.2e-06	5.2e-06	5.2e-06	_inspect.py:1(<module>)
1	5.2e-06	5.2e-06	5.2e-06	5.2e-06	hmac.py:27(HMAC)
1	5.3e-06	5.3e-06	4.44e-05	4.44e-05	platform.py:728(_get_machine_win32)
3	5.3e-06	1.767e-06	2.54e-05	8.467e-06	ufunclike.py:41(_fix_out_named_y)
1	5.3e-06	5.3e-06	2.03e-05	2.03e-05	arrayterator.py:1(<module>)
1	5.3e-06	5.3e-06	1.25e-05	1.25e-05	random.py:792(getrandbits)
13	5.3e-06	4.077e-07	5.3e-06	4.077e-07	~:0(<method 'setter' of 'property' objects>)
38	5.3e-06	1.395e-07	5.3e-06	1.395e-07	~:0(<built-in method _ctypes.sizeof>)
2	5.4e-06	2.7e-06	0.0001092	5.46e-05	genericpath.py:39(isdir)
20	5.4e-06	2.7e-07	5.4e-06	2.7e-07	_inspect.py:142(<lambda>)
5	5.4e-06	1.08e-06	5.4e-06	1.08e-06	_ufunc_config.py:425(__init__)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	5.4e-06	5.4e-06	6.1e-06	6.1e-06	subprocess.py:1158(poll)
1	5.4e-06	5.4e-06	6.8e-06	6.8e-06	selectors.py:81(BaseSelector)
9	5.4e-06	6e-07	5.4e-06	6e-07	_pytesttester.py:78(__init__)
1	5.4e-06	5.4e-06	2.21e-05	2.21e-05	_pytesttester.py:1(<module>)
1	5.4e-06	5.4e-06	5.4e-06	5.4e-06	~:0(<built-in method nt.urandom>)
1	5.5e-06	5.5e-06	5.5e-06	5.5e-06	contextlib.py:389(__init__)
1	5.5e-06	5.5e-06	6.9e-06	6.9e-06	numbers.py:147(Real)
6	5.5e-06	9.167e-07	6.3e-06	1.05e-06	_exceptions.py:17(_display_as_base)
14	5.5e-06	3.929e-07	1.05e-05	7.5e-07	mixins.py:26(_reflected_binary_method)
11	5.6e-06	5.091e-07	2.93e-05	2.664e-06	arrayprint.py:989(<genexpr>)
13	5.7e-06	4.385e-07	1.02e-05	7.846e-07	mixins.py:36(_inplace_binary_method)
1	5.7e-06	5.7e-06	4.31e-05	4.31e-05	absolute_fitness_equations_classes_2.py:3(<module>)
1	5.8e-06	5.8e-06	9.7e-06	9.7e-06	arrayprint.py:64(_make_options_dict)
5	5.9e-06	1.18e-06	1.07e-05	2.14e-06	datetime.py:428(_check_time_fields)
1	5.9e-06	5.9e-06	5.9e-06	5.9e-06	~:0(<built-in method math.exp>)
2	6e-06	3e-06	2.51e-05	1.255e-05	functools.py:517(decorating_function)
2	6e-06	3e-06	2.87e-05	1.435e-05	__init__.py:76(CFUNCTYPE)
1	6e-06	6e-06	4.8e-05	4.8e-05	threading.py:1274(__init__)
1	6e-06	6e-06	6e-06	6e-06	~:0(<built-in method _locale._getdefaultlocale>)
2	6e-06	3e-06	6e-06	3e-06	~:0(<built-in method math.log>)
1	6.1e-06	6.1e-06	5.71e-05	5.71e-05	os.py:44(_get_exports_list)
1	6.1e-06	6.1e-06	0.0001735	0.0001735	arrayprint.py:907(__init__)
4	6.1e-06	1.525e-06	6.1e-06	1.525e-06	getlimits.py:671(max)
1	6.1e-06	6.1e-06	1.06e-05	1.06e-05	subprocess.py:1017(__exit__)
7	6.2e-06	8.857e-07	1.36e-05	1.943e-06	enum.py:391(__getattr__)
1	6.2e-06	6.2e-06	6.4e-06	6.4e-06	subprocess.py:700(Popen)
1	6.2e-06	6.2e-06	0.0004195	0.0004195	population_growth_2.py:1(<module>)
2	6.3e-06	3.15e-06	6.3e-06	3.15e-06	_collections_abc.py:78(_check_methods)
1	6.3e-06	6.3e-06	6.3e-06	6.3e-06	~:0(<method 'find' of 'str' objects>)
11	6.4e-06	5.818e-07	7.66e-05	6.964e-06	abc.py:89(register)
18	6.5e-06	3.611e-07	6.5e-06	3.611e-07	enum.py:244(<genexpr>)
1	6.5e-06	6.5e-06	9e-06	9e-06	sre_compile.py:416(_bytes_to_codes)
3	6.5e-06	2.167e-06	6.5e-06	2.167e-06	~:0(<built-in method nt._getfullpathname>)
3	6.6e-06	2.2e-06	7e-06	2.333e-06	sre_compile.py:432(_generate_overlap_table)
86	6.6e-06	7.674e-08	6.6e-06	7.674e-08	_compat_pickle.py:167(<genexpr>)
2	6.6e-06	3.3e-06	0.000129	6.45e-05	hashlib.py:82(__get_builtin_constructor)
1	6.7e-06	6.7e-06	3.55e-05	3.55e-05	__init__.py:262(_reset_cache)
3	6.7e-06	2.233e-06	2.09e-05	6.967e-06	datetime.py:1602(__new__)
8	6.7e-06	8.375e-07	1.18e-05	1.475e-06	~:0(<built-in method builtins.any>)
1	6.8e-06	6.8e-06	0.0004036	0.0004036	glob.py:81(_glob1)
2	6.8e-06	3.4e-06	3.76e-05	1.88e-05	fromnumeric.py:69(_wrapreduction)
2	6.9e-06	3.45e-06	0.0008169	0.0004085	subprocess.py:1184(wait)
1	6.9e-06	6.9e-06	3.81e-05	3.81e-05	making_groups.py:1(<module>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
2	7e-06	3.5e-06	5.63e-05	2.815e-05	enum.py:914(_create_pseudo_member_)
1	7e-06	7e-06	0.0003202	0.0003202	fnmatch.py:54(filter)
1	7e-06	7e-06	8.9e-06	8.9e-06	pathlib.py:399(_NormalAccessor)
1	7e-06	7e-06	1.74e-05	1.74e-05	threading.py:777(__init__)
68	7e-06	1.029e-07	7e-06	1.029e-07	~:0(<built-in method _sre.unicode_tolower>)
35	7e-06	2e-07	7e-06	2e-07	~:0(<method 'items' of 'mappingproxy' objects>)
11	7.1e-06	6.455e-07	1.15e-05	1.045e-06	re.py:270(escape)
1	7.1e-06	7.1e-06	3.78e-05	3.78e-05	<__array_function__ internals>:177(concatenate)
1	7.3e-06	7.3e-06	7.3e-06	7.3e-06	functools.py:934(__init__)
9	7.3e-06	8.111e-07	3.29e-05	3.656e-06	overrides.py:23(set_array_function_like_doc)
1	7.3e-06	7.3e-06	7.3e-06	7.3e-06	pickle.py:407(_Pickler)
1	7.3e-06	7.3e-06	0.0003119	0.0003119	arrayprint.py:561(array2string)
5	7.4e-06	1.48e-06	1.37e-05	2.74e-06	datetime.py:415(_check_date_fields)
1	7.5e-06	7.5e-06	7.5e-06	7.5e-06	decoder.py:343(raw_decode)
1	7.6e-06	7.6e-06	0.01042	0.01042	platform.py:581(_node)
48	7.6e-06	1.583e-07	7.6e-06	1.583e-07	~:0(<method 'pop' of 'list' objects>)
1	7.7e-06	7.7e-06	0.001481	0.001481	glob.py:1(<module>)
15	7.7e-06	5.133e-07	1.04e-05	6.933e-07	platform.py:950(machine)
60	7.7e-06	1.283e-07	7.7e-06	1.283e-07	~:0(<built-in method builtins.divmod>)
1	7.9e-06	7.9e-06	3.22e-05	3.22e-05	_machar.py:1(<module>)
1	7.9e-06	7.9e-06	8.59e-05	8.59e-05	_polybase.py:1(<module>)
35	8e-06	2.286e-07	9.8e-06	2.8e-07	datetime.py:383(_check_int_field)
1	8e-06	8e-06	8e-06	8e-06	datetime.py:1594(datetime)
1	8e-06	8e-06	9e-06	9e-06	threading.py:766(Thread)
10	8.1e-06	8.1e-07	1.07e-05	1.07e-06	arrayprint.py:739(_extendLine)
1	8.1e-06	8.1e-06	8.1e-06	8.1e-06	random.py:101(Random)
39	8.3e-06	2.128e-07	8.3e-06	2.128e-07	~:0(<method '__contains__' of 'frozenset' objects>)
13	8.4e-06	6.462e-07	1.01e-05	7.769e-07	os.py:740(check_str)
1	8.4e-06	8.4e-06	0.0005471	0.0005471	scanner.py:1(<module>)
1	8.4e-06	8.4e-06	8.4e-06	8.4e-06	_type_aliases.py:149(_set_up_aliases)
1	8.4e-06	8.4e-06	2.68e-05	2.68e-05	_type_aliases.py:202(_set_array_types)
14	8.4e-06	6e-07	8.4e-06	6e-07	~:0(<method 'translate' of 'bytearray' objects>)
22/12	8.6e-06	7.167e-07	6.68e-05	5.567e-06	abc.py:100(__subclasscheck__)
1	8.7e-06	8.7e-06	1.12e-05	1.12e-05	numbers.py:32(Complex)
1	8.8e-06	8.8e-06	9.9e-06	9.9e-06	polynomial.py:1076(poly1d)
22	8.9e-06	4.045e-07	8.9e-06	4.045e-07	~:0(<built-in method numpy.geterrobj>)
4	9e-06	2.25e-06	8.01e-05	2.003e-05	enum.py:947(__or__)
15	9e-06	6e-07	0.02964	0.001976	platform.py:913(system)
16	9.2e-06	5.75e-07	1.93e-05	1.206e-06	_add_newdocs_scalars.py:18(type_aliases_gen)
1	9.2e-06	9.2e-06	2.08e-05	2.08e-05	platform.py:1001(_sys_version)
3	9.2e-06	3.067e-06	9.2e-06	3.067e-06	~:0(<built-in method _winapi.DuplicateHandle>)
1	9.3e-06	9.3e-06	0.0001166	0.0001166	struct.py:1(<module>)
1	9.4e-06	9.4e-06	0.000202	0.000202	numbers.py:4(<module>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	9.4e-06	9.4e-06	0.0002881	0.0002881	arrayprint.py:523(_array2string)
34	9.4e-06	2.765e-07	1.58e-05	4.647e-07	_add_newdocs_scalars.py:61(<genexpr>)
81	9.5e-06	1.173e-07	9.5e-06	1.173e-07	~:0(<built-in method _sre.unicode_iscased>)
1	9.6e-06	9.6e-06	0.000637	0.000637	fnmatch.py:1(<module>)
36	9.6e-06	2.667e-07	3.25e-05	9.028e-07	_string_helpers.py:16(english_lower)
13	9.6e-06	7.385e-07	9.6e-06	7.385e-07	_internal.py:863(npy_ctypes_check)
41	9.6e-06	2.341e-07	9.6e-06	2.341e-07	~:0(<method 'setdefault' of 'dict' objects>)
11	9.7e-06	8.818e-07	2.1e-05	1.909e-06	arrayprint.py:984(<genexpr>)
1	9.7e-06	9.7e-06	9.77e-05	9.77e-05	bisect.py:1(<module>)
18	9.7e-06	5.389e-07	9.7e-06	5.389e-07	~:0(<built-in method _struct.calcsize>)
1	9.8e-06	9.8e-06	0.0002282	0.0002282	_globals.py:1(<module>)
1	9.8e-06	9.8e-06	9.8e-06	9.8e-06	threading.py:95(_RLock)
20	9.8e-06	4.9e-07	1.83e-05	9.15e-07	mixins.py:16(_binary_method)
1	9.8e-06	9.8e-06	5.1e-05	5.1e-05	arraypad.py:1(<module>)
12	9.9e-06	8.25e-07	6.41e-05	5.342e-06	<frozen importlib._bootstrap>:765(exec_module)
96	9.9e-06	1.031e-07	9.9e-06	1.031e-07	~:0(<built-in method builtins.abs>)
7	1.01e-05	1.443e-06	1.01e-05	1.443e-06	enum.py:197(<dictcomp>)
41	1.01e-05	2.463e-07	1.01e-05	2.463e-07	enum.py:527(<lambda>)
1	1.01e-05	1.01e-05	1.06e-05	1.06e-05	__init__.py:391(__getitem__)
1	1.01e-05	1.01e-05	3.07e-05	3.07e-05	__future__.py:1(<module>)
1	1.04e-05	1.04e-05	4.36e-05	4.36e-05	_asarray.py:1(<module>)
10	1.05e-05	1.05e-06	2.65e-05	2.65e-06	arrayprint.py:753(_extendLine_pretty)
1	1.05e-05	1.05e-05	0.0001174	0.0001174	_iotools.py:1(<module>)
1	1.08e-05	1.08e-05	1.08e-05	1.08e-05	posixpath.py:1(<module>)
3	1.09e-05	3.633e-06	0.0004275	0.0001425	warnings.py:130(filterwarnings)
39	1.09e-05	2.795e-07	1.09e-05	2.795e-07	__init__.py:419(<genexpr>)
5	1.09e-05	2.18e-06	4.18e-05	8.36e-06	_ufunc_config.py:434(__exit__)
1	1.09e-05	1.09e-05	1.09e-05	1.09e-05	defchararray.py:1804(chararray)
1	1.09e-05	1.09e-05	0.007017	0.007017	__init__.py:1(<module>)
1	1.1e-05	1.1e-05	6.17e-05	6.17e-05	_string_helpers.py:1(<module>)
10	1.1e-05	1.1e-06	0.0007282	7.282e-05	extras.py:234(__init__)
1	1.12e-05	1.12e-05	0.0001265	0.0001265	__config__.py:3(<module>)
13	1.13e-05	8.692e-07	0.0004451	3.424e-05	<frozen importlib._bootstrap_external>:159(_path_isdir)
1	1.13e-05	1.13e-05	6.11e-05	6.11e-05	_datasource.py:1(<module>)
4	1.14e-05	2.85e-06	3.97e-05	9.925e-06	contextlib.py:385(_exit_wrapper)
1	1.15e-05	1.15e-05	1.15e-05	1.15e-05	~:0(<built-in method nt.close>)
63	1.16e-05	1.841e-07	1.16e-05	1.841e-07	abc.py:7(abstractmethod)
1	1.16e-05	1.16e-05	0.0001055	0.0001055	core.py:2814(__new__)
39	1.16e-05	2.974e-07	1.16e-05	2.974e-07	~:0(<built-in method sys.intern>)
45	1.17e-05	2.6e-07	1.17e-05	2.6e-07	~:0(<method 'isidentifier' of 'str' objects>)
9	1.18e-05	1.311e-06	9.91e-05	1.101e-05	subprocess.py:200(Close)
3	1.2e-05	4e-06	2.34e-05	7.8e-06	subprocess.py:1312(_make_inheritable)
1	1.22e-05	1.22e-05	0.0001557	0.0001557	_exceptions.py:1(<module>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	1.22e-05	1.22e-05	0.0001918	0.0001918	arrayprint.py:452(_get_format_function)
32	1.23e-05	3.844e-07	1.23e-05	3.844e-07	_type_aliases.py:46(<genexpr>)
4	1.24e-05	3.1e-06	1.84e-05	4.6e-06	warnings.py:181(_add_filter)
7	1.26e-05	1.8e-06	1.26e-05	1.8e-06	enum.py:81(__init__)
1	1.27e-05	1.27e-05	1.27e-05	1.27e-05	pathlib.py:615(_PathParents)
42	1.27e-05	3.024e-07	5.28e-05	1.257e-06	getlimits.py:101(_float_conv)
2	1.27e-05	6.35e-06	1.9e-05	9.5e-06	core.py:2946(_update_from)
1	1.28e-05	1.28e-05	1.66e-05	1.66e-05	cp1252.py:22(decode)
1	1.29e-05	1.29e-05	0.004688	0.004688	version.py:1(<module>)
1	1.29e-05	1.29e-05	0.0001157	0.0001157	base64.py:3(<module>)
6	1.29e-05	2.15e-06	8.84e-05	1.473e-05	core.py:1139(__init__)
5	1.3e-05	2.6e-06	6.71e-05	1.342e-05	_ufunc_config.py:429(__enter__)
1	1.31e-05	1.31e-05	1.39e-05	1.39e-05	_type_aliases.py:121(_add_integer_aliases)
4	1.32e-05	3.3e-06	3.09e-05	7.725e-06	ntpath.py:77(join)
1	1.33e-05	1.33e-05	2.5e-05	2.5e-05	format.py:1(<module>)
1	1.36e-05	1.36e-05	1.4e-05	1.4e-05	_type_aliases.py:74(_add_types)
1	1.36e-05	1.36e-05	1.36e-05	1.36e-05	defmatrix.py:72(matrix)
1	1.37e-05	1.37e-05	5.34e-05	5.34e-05	memmap.py:1(<module>)
17	1.38e-05	8.118e-07	1.38e-05	8.118e-07	<frozen importlib._bootstrap_external>:1160(__init__)
2	1.38e-05	6.9e-06	4.3e-05	2.15e-05	random.py:126(seed)
1	1.4e-05	1.4e-05	1.45e-05	1.45e-05	_iotools.py:450(StringConverter)
1	1.4e-05	1.4e-05	6.46e-05	6.46e-05	laguerre.py:1(<module>)
11	1.4e-05	1.273e-06	7.02e-05	6.382e-06	~:0(<built-in method _abc._abc_register>)
3	1.41e-05	4.7e-06	2.77e-05	9.233e-06	ntpath.py:180(split)
1	1.44e-05	1.44e-05	0.0001183	0.0001183	legendre.py:1(<module>)
1	1.44e-05	1.44e-05	6.61e-05	6.61e-05	hermite_e.py:1(<module>)
2	1.44e-05	7.2e-06	3.42e-05	1.71e-05	~:0(<built-in method builtins.sorted>)
14	1.45e-05	1.036e-06	0.0003028	2.163e-05	re.py:223(split)
1	1.47e-05	1.47e-05	107.6	107.6	evaluating_optimum_value.py:8(main)
1	1.49e-05	1.49e-05	4.18e-05	4.18e-05	linalg.py:73(_determine_error_states)
1	1.49e-05	1.49e-05	1.49e-05	1.49e-05	~:0(<built-in method winreg.QueryValueEx>)
31	1.51e-05	4.871e-07	2.49e-05	8.032e-07	signal.py:10(<lambda>)
7	1.52e-05	2.171e-06	2.21e-05	3.157e-06	enum.py:537(_check_for_existing_members)
1	1.52e-05	1.52e-05	0.001242	0.001242	decoder.py:1(<module>)
13	1.52e-05	1.169e-06	2.21e-05	1.7e-06	_dtype_ctypes.py:71(_from_ctypes_scalar)
1	1.54e-05	1.54e-05	1.81e-05	1.81e-05	platform.py:233(_norm_version)
1	1.55e-05	1.55e-05	7.26e-05	7.26e-05	hermite.py:1(<module>)
2	1.56e-05	7.8e-06	2.58e-05	1.29e-05	ntpath.py:450(normpath)
6	1.59e-05	2.65e-06	2.63e-05	4.383e-06	sre_parse.py:267(getuntil)
4/3	1.6e-05	5.333e-06	0.0001013	3.377e-05	~:0(<method 'view' of 'numpy.ndarray' objects>)
1	1.62e-05	1.62e-05	1.84e-05	1.84e-05	numerictypes.py:440(_construct_lookups)
1	1.62e-05	1.62e-05	0.0001078	0.0001078	subprocess.py:1240(_get_handles)
1	1.63e-05	1.63e-05	1.63e-05	1.63e-05	~:0(<built-in method nt.open>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	1.64e-05	1.64e-05	6.76e-05	6.76e-05	einsumfunc.py:1(<module>)
1	1.66e-05	1.66e-05	0.002719	0.002719	__init__.py:1(<module>)
64	1.67e-05	2.609e-07	1.67e-05	2.609e-07	sre_compile.py:453(_get_iscased)
1	1.67e-05	1.67e-05	1.67e-05	1.67e-05	pathlib.py:1056(Path)
7	1.68e-05	2.4e-06	2.04e-05	2.914e-06	core.py:2550(_arraymethod)
3	1.69e-05	5.633e-06	0.0005967	0.0001989	__init__.py:340(__init__)
24	1.69e-05	7.042e-07	1.98e-05	8.25e-07	numerictypes.py:513(_scalar_type_key)
30	1.69e-05	5.633e-07	1.84e-05	6.133e-07	_type_aliases.py:194(_add_array_type)
1	1.69e-05	1.69e-05	7.45e-05	7.45e-05	chebyshev.py:1(<module>)
4	1.7e-05	4.25e-06	1.87e-05	4.675e-06	contextlib.py:451(_push_exit_callback)
11	1.7e-05	1.545e-06	1.7e-05	1.545e-06	~:0(<built-in method numpy.seterrobj>)
1	1.71e-05	1.71e-05	1.71e-05	1.71e-05	pathlib.py:643(PurePath)
1	1.72e-05	1.72e-05	3.16e-05	3.16e-05	fnmatch.py:80(translate)
20	1.72e-05	8.6e-07	1.72e-05	8.6e-07	~:0(<built-in method numpy.core._multiarray_umath.dragon4_positional>)
13	1.73e-05	1.331e-06	4.77e-05	3.669e-06	mixins.py:44(_numeric_methods)
1	1.73e-05	1.73e-05	1.73e-05	1.73e-05	~:0(<method 'view' of 'numpy.generic' objects>)
1	1.76e-05	1.76e-05	0.009271	0.009271	__init__.py:1(<module>)
1	1.76e-05	1.76e-05	2.4e-05	2.4e-05	pathlib.py:120(_WindowsFlavour)
30	1.8e-05	6e-07	2.29e-05	7.633e-07	types.py:171(__get__)
26	1.8e-05	6.923e-07	0.007097	0.000273	re.py:250(compile)
1	1.8e-05	1.8e-05	1.8e-05	1.8e-05	datetime.py:1145(tzinfo)
1	1.82e-05	1.82e-05	0.0001799	0.0001799	arraysetops.py:1(<module>)
1	1.83e-05	1.83e-05	0.002539	0.002539	Evolving_for_one_timestep.py:2(<module>)
1	1.84e-05	1.84e-05	107.8	107.8	evaluating_optimum_value.py:1(<module>)
1	1.86e-05	1.86e-05	0.0001125	0.0001125	histograms.py:1(<module>)
1	1.88e-05	1.88e-05	0.008231	0.008231	py3k.py:1(<module>)
91	1.88e-05	2.066e-07	1.88e-05	2.066e-07	~:0(<method 'items' of 'dict' objects>)
1	1.89e-05	1.89e-05	1.89e-05	1.89e-05	os.py:48(<listcomp>)
4	1.89e-05	4.725e-06	1.89e-05	4.725e-06	~:0(<method 'findall' of 're.Pattern' objects>)
61	1.93e-05	3.164e-07	2.16e-05	3.541e-07	~:0(<built-in method builtins.repr>)
23	1.94e-05	8.435e-07	0.0002449	1.065e-05	overrides.py:200(decorator)
14	1.98e-05	1.414e-06	5.95e-05	4.25e-06	core.py:8118(_replace_return_type)
12	1.99e-05	1.658e-06	0.0004734	3.945e-05	<frozen importlib._bootstrap>:757(create_module)
14	2e-05	1.429e-06	3.11e-05	2.221e-06	__init__.py:142(_check_size)
1	2e-05	2e-05	2e-05	2e-05	~:0(<method 'dot' of 'numpy.ndarray' objects>)
1	2.01e-05	2.01e-05	2.47e-05	2.47e-05	_polybase.py:18(ABCPolyBase)
1	2.03e-05	2.03e-05	0.01447	0.01447	overrides.py:1(<module>)
1	2.03e-05	2.03e-05	0.01879	0.01879	platform.py:261(_syscmd_ver)
1	2.03e-05	2.03e-05	2.27e-05	2.27e-05	socket.py:214(socket)
52	2.04e-05	3.923e-07	5.47e-05	1.052e-06	_add_newdocs.py:6409(refer_to_array_attribute)
16	2.05e-05	1.281e-06	3.92e-05	2.45e-06	_type_aliases.py:44(_bits_of)
1	2.05e-05	2.05e-05	0.0001813	0.0001813	core.py:6442(__new__)
10	2.06e-05	2.06e-06	2.65e-05	2.65e-06	arrayprint.py:1018(__call__)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
26	2.06e-05	7.923e-07	0.0004784	1.84e-05	core.py:6753(__init__)
1	2.07e-05	2.07e-05	0.000168	0.000168	stride_tricks.py:1(<module>)
1	2.08e-05	2.08e-05	0.01874	0.01874	subprocess.py:377(check_output)
1	2.09e-05	2.09e-05	0.0003139	0.0003139	ctypeslib.py:1(<module>)
8	2.09e-05	2.612e-06	2.09e-05	2.612e-06	~:0(<method 'remove' of 'list' objects>)
36	2.1e-05	5.833e-07	3.37e-05	9.361e-07	getlimits.py:16(_fr0)
104	2.12e-05	2.038e-07	2.12e-05	2.038e-07	<frozen importlib._bootstrap_external>:1472(<genexpr>)
1	2.14e-05	2.14e-05	2.14e-05	2.14e-05	~:0(<built-in method _hashlib.openssl_md5>)
12	2.15e-05	1.792e-06	2.37e-05	1.975e-06	<frozen importlib._bootstrap>:241(_requires_builtin_wrapper)
2	2.16e-05	1.08e-05	4.77e-05	2.385e-05	enum.py:993(_decompose)
1	2.16e-05	2.16e-05	0.0001602	0.0001602	mixins.py:1(<module>)
92	2.16e-05	2.348e-07	2.16e-05	2.348e-07	~:0(<method 'get' of 'mappingproxy' objects>)
1	2.17e-05	2.17e-05	0.01151	0.01151	_distributor_init.py:2(<module>)
10	2.17e-05	2.17e-06	0.0007172	7.172e-05	extras.py:238(getdoc)
1	2.2e-05	2.2e-05	0.0001011	0.0001011	_type_aliases.py:94(_add_aliases)
1	2.21e-05	2.21e-05	8.15e-05	8.15e-05	mixins.py:59(NDArrayOperatorsMixin)
1	2.23e-05	2.23e-05	7.08e-05	7.08e-05	_ufunc_config.py:1(<module>)
1	2.26e-05	2.26e-05	0.0001164	0.0001164	function_base.py:1(<module>)
1	2.27e-05	2.27e-05	6.88e-05	6.88e-05	_endian.py:1(<module>)
19	2.29e-05	1.205e-06	0.0004309	2.268e-05	arrayprint.py:1575(_array_str_implementation)
1	2.29e-05	2.29e-05	0.0001188	0.0001188	ufunclike.py:1(<module>)
13	2.3e-05	1.769e-06	2.96e-05	2.277e-06	ntpath.py:124(splitdrive)
7	2.32e-05	3.314e-06	6.74e-05	9.629e-06	os.py:674(__getitem__)
4	2.36e-05	5.9e-06	0.0002456	6.14e-05	textwrap.py:414(dedent)
29	2.37e-05	8.172e-07	2.37e-05	8.172e-07	sre_parse.py:76(__init__)
1	2.38e-05	2.38e-05	0.006085	0.006085	defmatrix.py:1(<module>)
36	2.39e-05	6.639e-07	5.79e-05	1.608e-06	getlimits.py:24(_fr1)
1	2.39e-05	2.39e-05	0.0005147	0.0005147	utils.py:1(<module>)
1	2.39e-05	2.39e-05	0.0001301	0.0001301	helper.py:1(<module>)
1	2.41e-05	2.41e-05	6.21e-05	6.21e-05	__init__.py:326(_sanity_check)
61	2.41e-05	3.951e-07	4.57e-05	7.492e-07	_inspect.py:144(<lambda>)
1	2.43e-05	2.43e-05	2.43e-05	2.43e-05	~:0(<built-in method numpy.arange>)
1	2.44e-05	2.44e-05	2.44e-05	2.44e-05	~:0(<method 'union' of 'set' objects>)
288	2.47e-05	8.576e-08	2.47e-05	8.576e-08	~:0(<built-in method builtins.chr>)
40	2.48e-05	6.2e-07	0.0002453	6.133e-06	sre_parse.py:96(closegroup)
1	2.48e-05	2.48e-05	0.005355	0.005355	__init__.py:1(<module>)
36	2.49e-05	6.917e-07	0.0001221	3.392e-06	getlimits.py:91(_float_to_float)
8	2.49e-05	3.113e-06	3.59e-05	4.488e-06	~:0(<method 'sort' of 'list' objects>)
1	2.5e-05	2.5e-05	0.001238	0.001238	polynomial.py:1(<module>)
1	2.51e-05	2.51e-05	0.01212	0.01212	secrets.py:1(<module>)
1	2.52e-05	2.52e-05	4.67e-05	4.67e-05	_string_helpers.py:9(<listcomp>)
118	2.54e-05	2.153e-07	2.54e-05	2.153e-07	<frozen importlib._bootstrap_external>:1036(get_filename)
1	2.54e-05	2.54e-05	2.54e-05	2.54e-05	~:0(<built-in method nt._add_dll_directory>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	2.58e-05	2.58e-05	8.51e-05	8.51e-05	getlimits.py:1(<module>)
1	2.6e-05	2.6e-05	0.0005337	0.0005337	signal.py:1(<module>)
2	2.61e-05	1.305e-05	2.61e-05	1.305e-05	~:0(<method 'close' of '_io.TextIOWrapper' objects>)
85	2.62e-05	3.082e-07	3.09e-05	3.635e-07	sre_parse.py:168(__setitem__)
58	2.63e-05	4.534e-07	3.31e-05	5.707e-07	sre_compile.py:595(isstring)
47	2.63e-05	5.596e-07	2.63e-05	5.596e-07	~:0(<method 'translate' of 'str' objects>)
1	2.64e-05	2.64e-05	2.64e-05	2.64e-05	~:0(<built-in method nt.scandir>)
1	2.7e-05	2.7e-05	7.03e-05	7.03e-05	contextlib.py:470(__exit__)
44	2.71e-05	6.159e-07	4.33e-05	9.841e-07	enum.py:12(_is_descriptor)
2	2.72e-05	1.36e-05	2.72e-05	1.36e-05	~:0(<built-in method nt.unsetenv>)
30	2.74e-05	9.133e-07	0.02963	0.0009877	platform.py:824(uname)
2	2.74e-05	1.37e-05	2.74e-05	1.37e-05	~:0(<function Random.seed at 0x0000029BFA1E5670>)
29	2.78e-05	9.586e-07	3.12e-05	1.076e-06	sre_parse.py:921(fix_flags)
1	2.79e-05	2.79e-05	0.00466	0.00466	__init__.py:1(<module>)
2	2.81e-05	1.405e-05	2.81e-05	1.405e-05	~:0(<built-in method _ctypes.POINTER>)
81	2.83e-05	3.494e-07	2.83e-05	3.494e-07	overrides.py:121(decorator)
14	2.83e-05	2.021e-06	0.000203	1.45e-05	core.py:8106(getdoc)
1	2.84e-05	2.84e-05	0.003153	0.003153	shape_base.py:1(<module>)
7	2.87e-05	4.1e-06	0.0001419	2.027e-05	enum.py:164(__prepare__)
11/1	2.88e-05	2.88e-05	8.39e-05	8.39e-05	arrayprint.py:789(recurser)
4	2.92e-05	7.3e-06	5.24e-05	1.31e-05	contextlib.py:433(callback)
20	2.92e-05	1.46e-06	8.97e-05	4.485e-06	enum.py:547(_get_mixins_)
10	2.92e-05	2.92e-06	3.07e-05	3.07e-06	_ufunc_config.py:131(geterr)
2	2.92e-05	1.46e-05	2.92e-05	1.46e-05	~:0(<method 'reduce' of 'numpy.ufunc' objects>)
7	2.94e-05	4.2e-06	2.94e-05	4.2e-06	getlimits.py:647(__init__)
1	2.94e-05	2.94e-05	2.94e-05	2.94e-05	~:0(<built-in method io.open>)
13	3e-05	2.308e-06	6.71e-05	5.162e-06	_dtype_ctypes.py:100(dtype_from_ctypes_type)
257	3.03e-05	1.179e-07	3.03e-05	1.179e-07	hmac.py:19(<genexpr>)
1	3.08e-05	3.08e-05	0.0004092	0.0004092	encoder.py:1(<module>)
66	3.1e-05	4.697e-07	3.1e-05	4.697e-07	sre_compile.py:65(_combine_flags)
5	3.14e-05	6.28e-06	6.68e-05	1.336e-05	_collections_abc.py:759(get)
1	3.2e-05	3.2e-05	4.36e-05	4.36e-05	umath.py:1(<module>)
1	3.21e-05	3.21e-05	0.000256	0.000256	threading.py:1(<module>)
136	3.22e-05	2.368e-07	3.22e-05	2.368e-07	~:0(<built-in method builtins.issubclass>)
316	3.24e-05	1.025e-07	3.24e-05	1.025e-07	~:0(<built-in method builtins.ord>)
1	3.29e-05	3.29e-05	0.002492	0.002492	selectors.py:1(<module>)
1	3.3e-05	3.3e-05	0.008176	0.008176	platform.py:3(<module>)
26	3.31e-05	1.273e-06	0.0002137	8.219e-06	core.py:914(__init__)
1	3.32e-05	3.32e-05	0.0003723	0.0003723	pickle.py:197(<listcomp>)
81	3.33e-05	4.111e-07	3.33e-05	4.111e-07	overrides.py:110(set_module)
147	3.37e-05	2.293e-07	3.37e-05	2.293e-07	<frozen importlib._bootstrap>:406(has_location)
7	3.39e-05	4.843e-06	7.05e-05	1.007e-05	enum.py:594(_find_new_)
12	3.41e-05	2.842e-06	8.83e-05	7.358e-06	<frozen importlib._bootstrap>:415(spec_from_loader)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	3.47e-05	3.47e-05	0.003689	0.003689	subprocess.py:10(<module>)
1	3.48e-05	3.48e-05	0.01913	0.01913	platform.py:359(win32_ver)
1	3.49e-05	3.49e-05	0.002833	0.002833	__init__.py:1(<module>)
38	3.52e-05	9.263e-07	5.53e-05	1.455e-06	sre_parse.py:295(_class_escape)
78	3.53e-05	4.526e-07	3.53e-05	4.526e-07	_internal.py:826(<genexpr>)
257	3.56e-05	1.385e-07	3.56e-05	1.385e-07	hmac.py:18(<genexpr>)
13	3.62e-05	2.785e-06	0.0006819	5.245e-05	<frozen importlib._bootstrap_external>:1597(path_hook_for_FileFinder)
2	3.64e-05	1.82e-05	3.64e-05	1.82e-05	~:0(<built-in method nt.putenv>)
10	3.66e-05	3.66e-06	8.5e-05	8.5e-06	_ufunc_config.py:32(seterr)
16	3.67e-05	2.294e-06	7.89e-05	4.931e-06	_type_aliases.py:58(bitname)
118	3.68e-05	3.119e-07	3.68e-05	3.119e-07	<frozen importlib._bootstrap_external>:846(create_module)
1	3.69e-05	3.69e-05	0.001146	0.001146	_internal.py:1(<module>)
1	3.71e-05	3.71e-05	0.001047	0.001047	_pocketfft.py:1(<module>)
50	3.71e-05	7.42e-07	3.71e-05	7.42e-07	~:0(<built-in method fromkeys>)
14	3.72e-05	2.657e-06	0.0002127	1.519e-05	hashlib.py:126(__get_openssl_constructor)
61	3.73e-05	6.115e-07	4.24e-05	6.951e-07	enum.py:33(_is_sunder)
18	3.74e-05	2.078e-06	0.0002757	1.532e-05	core.py:990(__init__)
1	3.79e-05	3.79e-05	0.0001682	0.0001682	subprocess.py:1207(_close_pipe_fds)
14	3.8e-05	2.714e-06	0.0001019	7.279e-06	sre_compile.py:411(_mk_bitmap)
1	3.82e-05	3.82e-05	0.000354	0.000354	nanfunctions.py:1(<module>)
11	3.83e-05	3.482e-06	5.12e-05	4.655e-06	os.py:746(encodekey)
8	3.83e-05	4.788e-06	3.83e-05	4.788e-06	~:0(<method 'sub' of 're.Pattern' objects>)
22	3.88e-05	1.764e-06	0.0006495	2.952e-05	abc.py:84(__new__)
2	3.9e-05	1.95e-05	8.21e-05	4.105e-05	core.py:2972(__array_finalize__)
19	3.94e-05	2.074e-06	0.0003899	2.052e-05	arrayprint.py:506(wrapper)
61	3.95e-05	6.475e-07	4.46e-05	7.311e-07	enum.py:22(_is_dunder)
1	3.96e-05	3.96e-05	3.96e-05	3.96e-05	~:0(<built-in method _winapi.CreatePipe>)
1	4e-05	4e-05	0.01864	0.01864	subprocess.py:464(run)
14	4.03e-05	2.879e-06	0.0002481	1.772e-05	core.py:8101(__init__)
93	4.09e-05	4.398e-07	4.09e-05	4.398e-07	_inspect.py:131(strseq)
5	4.11e-05	8.22e-06	0.0001345	2.69e-05	~:0(<built-in method numpy.core._multiarray_umath.implement_array_func
2	4.13e-05	2.065e-05	0.00081	0.000405	subprocess.py:1462(_wait)
1	4.13e-05	4.13e-05	0.02461	0.02461	__init__.py:1(<module>)
66	4.19e-05	6.348e-07	0.0001011	1.532e-06	enum.py:646(__new__)
28	4.23e-05	1.511e-06	4.23e-05	1.511e-06	~:0(<method 'expandtabs' of 'str' objects>)
1	4.24e-05	4.24e-05	0.000678	0.000678	_methods.py:1(<module>)
1	4.27e-05	4.27e-05	0.005086	0.005086	subprocess.py:756(__init__)
396	4.27e-05	1.078e-07	4.27e-05	1.078e-07	~:0(<built-in method builtins.globals>)
1	4.27e-05	4.27e-05	4.27e-05	4.27e-05	~:0(<built-in method _socket.gethostname>)
139	4.28e-05	3.079e-07	5.47e-05	3.935e-07	sre_parse.py:81(groups)
107	4.29e-05	4.009e-07	0.0003391	3.169e-06	re.py:188(match)
20	4.31e-05	2.155e-06	5.35e-05	2.675e-06	enum.py:558(_find_data_type)
1	4.41e-05	4.41e-05	0.0002828	0.0002828	hashlib.py:5(<module>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
18	4.46e-05	2.478e-06	4.76e-05	2.644e-06	arrayprint.py:1568(_guarded_repr_or_str)
1	4.47e-05	4.47e-05	0.004886	0.004886	subprocess.py:1334(_execute_child)
1	4.48e-05	4.48e-05	4.48e-05	4.48e-05	~:0(<method 'round' of 'numpy.ndarray' objects>)
6	4.5e-05	7.5e-06	0.002361	0.0003935	enum.py:504(_convert_)
17/12	4.63e-05	3.858e-06	0.02017	0.001681	<frozen importlib._bootstrap_external>:1179(exec_module)
2	4.65e-05	2.325e-05	4.65e-05	2.325e-05	~:0(<built-in method builtins.dir>)
72	4.67e-05	6.486e-07	4.67e-05	6.486e-07	~:0(<method 'copy' of 'numpy.ndarray' objects>)
12	4.74e-05	3.95e-06	4.74e-05	3.95e-06	~:0(<built-in method _imp.exec_builtin>)
39	4.77e-05	1.223e-06	0.02971	0.0007617	_add_newdocs_scalars.py:62(<genexpr>)
29	4.79e-05	1.652e-06	4.79e-05	1.652e-06	~:0(<built-in method _sre.compile>)
40	4.84e-05	1.21e-06	8.53e-05	2.132e-06	sre_parse.py:84(opengroup)
22/12	4.86e-05	4.05e-06	6.1e-05	5.083e-06	~:0(<built-in method _abc._abc_subclasscheck>)
2	4.92e-05	2.46e-05	7.6e-05	3.8e-05	glob.py:116(_iterdir)
1	5.02e-05	5.02e-05	5.02e-05	5.02e-05	extras.py:1465(MAxisConcatenator)
29	5.03e-05	1.734e-06	8.16e-05	2.814e-06	sre_parse.py:224(__init__)
1	5.08e-05	5.08e-05	0.02398	0.02398	_pickle.py:1(<module>)
1	5.1e-05	5.1e-05	0.0003252	0.0003252	shape_base.py:1(<module>)
14	5.11e-05	3.65e-06	0.001448	0.0001034	core.py:114(doc_note)
1	5.24e-05	5.24e-05	0.0002636	0.0002636	arrayprint.py:1(<module>)
50	5.26e-05	1.052e-06	0.0005703	1.141e-05	core.py:130(get_object_signature)
1	5.28e-05	5.28e-05	7.21e-05	7.21e-05	_compat_pickle.py:9(<module>)
1	5.3e-05	5.3e-05	0.0135	0.0135	subprocess.py:1090(communicate)
24	5.33e-05	2.221e-06	6.43e-05	2.679e-06	sre_compile.py:492(_get_charset_prefix)
1	5.36e-05	5.36e-05	0.0007624	0.0007624	_type_aliases.py:1(<module>)
50	5.37e-05	1.074e-06	9.08e-05	1.816e-06	sre_parse.py:432(_uniq)
1	5.38e-05	5.38e-05	0.0006214	0.0006214	datetime.py:1(<module>)
14	5.42e-05	3.871e-06	5.42e-05	3.871e-06	sre_compile.py:413(<listcomp>)
505	5.57e-05	1.103e-07	5.57e-05	1.103e-07	~:0(<method 'lower' of 'str' objects>)
26	5.59e-05	2.15e-06	0.0004578	1.761e-05	core.py:6758(getdoc)
1	5.68e-05	5.68e-05	0.003392	0.003392	pathlib.py:1(<module>)
1	5.72e-05	5.72e-05	0.01041	0.01041	index_tricks.py:1(<module>)
1	5.84e-05	5.84e-05	0.001115	0.001115	twodim_base.py:1(<module>)
61	5.85e-05	9.59e-07	7.85e-05	1.287e-06	enum.py:44(_is_private)
1	5.9e-05	5.9e-05	0.006845	0.006845	__init__.py:1(<module>)
261	5.94e-05	2.276e-07	5.94e-05	2.276e-07	~:0(<method 'partition' of 'str' objects>)
1	5.99e-05	5.99e-05	0.0001666	0.0001666	arrayprint.py:934(fillFormat)
83	6.01e-05	7.241e-07	0.0001451	1.748e-06	sre_compile.py:423(_simple)
1	6.02e-05	6.02e-05	0.0008091	0.0008091	parse.py:1(<module>)
13	6.03e-05	4.638e-06	0.001404	0.000108	<frozen importlib._bootstrap_external>:1324(_path_hooks)
86	6.09e-05	7.081e-07	8.21e-05	9.547e-07	~:0(<method 'extend' of 'list' objects>)
29	6.11e-05	2.107e-06	0.002716	9.365e-05	sre_compile.py:598(_code)
165	6.33e-05	3.836e-07	6.33e-05	3.836e-07	~:0(<method 'pop' of 'dict' objects>)
13	6.35e-05	4.885e-06	0.0006621	5.093e-05	<frozen zipimport>:63(__init__)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
6	6.45e-05	1.075e-05	0.001488	0.000248	enum.py:451(_create_)
171	6.45e-05	3.772e-07	6.45e-05	3.772e-07	sre_parse.py:111(__init__)
1	6.51e-05	6.51e-05	0.001268	0.001268	extras.py:1(<module>)
1	6.54e-05	6.54e-05	0.002039	0.002039	npyio.py:1(<module>)
319	6.58e-05	2.063e-07	6.58e-05	2.063e-07	~:0(<method 'add' of 'set' objects>)
13	6.6e-05	5.077e-06	9.08e-05	6.985e-06	<frozen importlib._bootstrap_external>:1585(<setcomp>)
1	6.62e-05	6.62e-05	6.62e-05	6.62e-05	~:0(<built-in method winreg.OpenKeyEx>)
1	6.64e-05	6.64e-05	0.001241	0.001241	type_check.py:1(<module>)
1	6.65e-05	6.65e-05	6.65e-05	6.65e-05	pickle.py:1136(_Unpickler)
1	6.67e-05	6.67e-05	0.0001754	0.0001754	records.py:1(<module>)
1	6.7e-05	6.7e-05	0.0002112	0.0002112	ctypeslib.py:374(<dictcomp>)
53	6.71e-05	1.266e-06	8.9e-05	1.679e-06	sre_parse.py:355(_escape)
13	6.79e-05	5.223e-06	0.0002006	1.543e-05	<frozen importlib._bootstrap_external>:1466(__init__)
1	6.85e-05	6.85e-05	0.00218	0.00218	random.py:1(<module>)
152	6.94e-05	4.566e-07	0.0002746	1.807e-06	<frozen importlib._bootstrap>:736(find_spec)
220	6.94e-05	3.155e-07	6.94e-05	3.155e-07	~:0(<method 'find' of 'bytearray' objects>)
118	6.99e-05	5.924e-07	6.99e-05	5.924e-07	<frozen importlib._bootstrap_external>:1011(__init__)
72	7e-05	9.722e-07	0.001659	2.304e-05	enum.py:334(__call__)
42	7.13e-05	1.698e-06	7.13e-05	1.698e-06	~:0(<built-in method nt.getcwd>)
40/27	7.14e-05	2.644e-06	0.0001029	3.811e-06	sre_compile.py:461(_get_literal_prefix)
1	7.26e-05	7.26e-05	0.0001011	0.0001011	polyutils.py:1(<module>)
140	7.32e-05	5.229e-07	7.32e-05	5.229e-07	~:0(<built-in method _imp.is_frozen>)
155	7.5e-05	4.839e-07	7.5e-05	4.839e-07	<frozen importlib._bootstrap>:152(__init__)
208	7.53e-05	3.62e-07	0.0001304	6.269e-07	socket.py:83(<lambda>)
112	7.59e-05	6.777e-07	7.59e-05	6.777e-07	~:0(<method 'match' of 're.Pattern' objects>)
209	7.66e-05	3.665e-07	0.0001284	6.144e-07	socket.py:88(<lambda>)
207	7.68e-05	3.71e-07	0.0001315	6.353e-07	socket.py:78(<lambda>)
210	7.72e-05	3.676e-07	0.0001314	6.257e-07	socket.py:93(<lambda>)
14	7.85e-05	5.607e-06	7.85e-05	5.607e-06	~:0(<method 'split' of 're.Pattern' objects>)
12	7.89e-05	6.575e-06	0.0001148	9.567e-06	datetime.py:492(__new__)
1	7.93e-05	7.93e-05	0.007507	0.007507	__init__.py:1(<module>)
1	7.96e-05	7.96e-05	0.01524	0.01524	multiarray.py:1(<module>)
1	8.01e-05	8.01e-05	0.002672	0.002672	numerictypes.py:1(<module>)
1	8.03e-05	8.03e-05	0.007445	0.007445	hmac.py:1(<module>)
395	8.05e-05	2.038e-07	8.05e-05	2.038e-07	~:0(<built-in method nt.fspath>)
6	8.14e-05	1.357e-05	0.0001011	1.685e-05	numeric.py:2517(extend_all)
29	8.15e-05	2.81e-06	0.0001809	6.238e-06	enum.py:953(__and__)
36	8.26e-05	2.294e-06	0.0002511	6.975e-06	getlimits.py:111(_float_to_str)
1	8.38e-05	8.38e-05	0.002097	0.002097	fromnumeric.py:1(<module>)
152	8.98e-05	5.908e-07	8.98e-05	5.908e-07	_virtualenv.py:54(find_spec)
6	9e-05	1.5e-05	9e-05	1.5e-05	~:0(<built-in method _winapi.CloseHandle>)
1	9.04e-05	9.04e-05	0.004219	0.004219	linalg.py:1(<module>)
1	9.16e-05	9.16e-05	0.002194	0.002194	pickle.py:1(<module>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
316	9.27e-05	2.934e-07	9.27e-05	2.934e-07	overrides.py:128(array_function_dispatch)
49	9.31e-05	1.9e-06	9.31e-05	1.9e-06	~:0(<method 'split' of 'str' objects>)
72	9.33e-05	1.296e-06	0.0001195	1.66e-06	sre_compile.py:249(_compile_charset)
264	9.48e-05	3.591e-07	0.0001194	4.523e-07	sre_parse.py:286(tell)
353	9.55e-05	2.705e-07	0.0001251	3.544e-07	sre_parse.py:160(__len__)
140	9.59e-05	6.85e-07	0.0001691	1.208e-06	<frozen importlib._bootstrap>:811(find_spec)
54	9.7e-05	1.796e-06	9.7e-05	1.796e-06	Evolving_for_one_timestep.py:38(__init__)
888	9.79e-05	1.102e-07	9.79e-05	1.102e-07	~:0(<method 'lstrip' of 'str' objects>)
1	9.86e-05	9.86e-05	0.0005813	0.0005813	polynomial.py:1(<module>)
441	9.88e-05	2.24e-07	0.0001443	3.272e-07	sre_parse.py:249(match)
360	0.0001015	2.819e-07	0.0001015	2.819e-07	~:0(<method 'update' of 'dict' objects>)
50	0.0001029	2.058e-06	0.0002687	5.374e-06	_internal.py:815(_ufunc_doc_signature_formatter)
355	0.0001056	2.975e-07	0.0001056	2.975e-07	~:0(<built-in method from_bytes>)
354	0.0001057	2.986e-07	0.0001423	4.02e-07	sre_parse.py:172(append)
1	0.0001093	0.0001093	0.0399	0.0399	_add_newdocs_scalars.py:1(<module>)
865	0.0001093	1.264e-07	0.0001093	1.264e-07	~:0(<method 'isupper' of 'str' objects>)
1	0.00011	0.00011	0.001362	0.001362	function_base.py:1(<module>)
54	0.0001111	2.057e-06	0.0001111	2.057e-06	Declaring_winner.py:2(declaring_winner)
1	0.0001116	0.0001116	0.009462	0.009462	socket.py:4(<module>)
17	0.0001126	6.624e-06	0.0253	0.001488	<frozen importlib._bootstrap_external>:1171(create_module)
92	0.0001147	1.247e-06	0.0001363	1.482e-06	enum.py:438(__setattr__)
118	0.0001158	9.814e-07	0.0001158	9.814e-07	<frozen importlib._bootstrap>:35(_new_module)
54	0.0001169	2.165e-06	0.0001169	2.165e-06	~:0(<built-in method _imp.is_builtin>)
29	0.0001203	4.148e-06	0.004008	0.0001382	sre_parse.py:937(parse)
155	0.0001208	7.794e-07	0.0005553	3.583e-06	<frozen importlib._bootstrap>:160(__exit__)
1	0.0001229	0.0001229	0.0004171	0.0004171	contextlib.py:76(inner)
338	0.0001231	3.642e-07	0.0001231	3.642e-07	~:0(<method 'strip' of 'str' objects>)
1	0.0001246	0.0001246	0.0006888	0.0006888	getlimits.py:158(_register_known_types)
24	0.000125	5.208e-06	0.03029	0.001262	_add_newdocs_scalars.py:55(add_newdoc_for_scalar_type)
152	0.000127	8.355e-07	0.000127	8.355e-07	<frozen importlib._bootstrap>:351(__init__)
490	0.0001277	2.606e-07	0.0001277	2.606e-07	~:0(<method 'get' of 'dict' objects>)
1	0.0001308	0.0001308	0.003429	0.003429	_add_newdocs.py:1(<module>)
1	0.0001311	0.0001311	0.0001537	0.0001537	core.py:2703(MaskedArray)
1	0.0001353	0.0001353	0.02455	0.02455	__init__.py:1(<module>)
161	0.0001363	8.466e-07	0.006721	4.175e-05	<frozen importlib._bootstrap_external>:154(_path_isfile)
7	0.0001383	1.976e-05	0.0002144	3.063e-05	enum.py:221(<setcomp>)
118	0.0001396	1.183e-06	0.000165	1.398e-06	<frozen importlib._bootstrap_external>:523(_check_name_wrapper)
118	0.0001404	1.19e-06	0.000155	1.314e-06	~:0(<built-in method numpy.array>)
118	0.0001431	1.213e-06	0.004517	3.828e-05	<frozen importlib._bootstrap_external>:1082(path_stats)
6	0.0001461	2.435e-05	0.0005356	8.927e-05	getlimits.py:34(__init__)
118	0.0001467	1.243e-06	0.0003329	2.821e-06	<frozen importlib._bootstrap_external>:593(_validate_timestamp_pyc)
29	0.0001469	5.066e-06	0.000629	2.169e-05	sre_compile.py:536(_compile_info)
118	0.000151	1.28e-06	0.000151	1.28e-06	~:0(<built-in method _imp._fix_co_filename>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	0.0001531	0.0001531	0.1711	0.1711	__init__.py:1(<module>)
218	0.0001545	7.087e-07	0.0001545	7.087e-07	~:0(<method 'replace' of 'str' objects>)
472	0.0001585	3.358e-07	0.0001585	3.358e-07	~:0(<method 'rfind' of 'str' objects>)
338	0.0001602	4.74e-07	0.0001602	4.74e-07	~:0(<built-in method numpy.core._multiarray_umath.add_docstring>)
1	0.0001604	0.0001604	0.08787	0.08787	__init__.py:1(<module>)
1	0.0001621	0.0001621	0.002719	0.002719	scimath.py:1(<module>)
584	0.0001642	2.812e-07	0.0002345	4.015e-07	<frozen importlib._bootstrap>:874(__enter__)
936	0.0001649	1.762e-07	0.0001649	1.762e-07	~:0(<built-in method _thread.get_ident>)
29	0.0001668	5.752e-06	0.006983	0.0002408	sre_compile.py:759(compile)
61	0.0001675	2.746e-06	0.0003877	6.356e-06	enum.py:88(__setitem__)
22	0.0001682	7.645e-06	0.0001682	7.645e-06	~:0(<built-in method _abc._abc_init>)
140	0.0001696	1.211e-06	0.03566	0.0002547	<frozen importlib._bootstrap_external>:1406(find_spec)
46	0.00017	3.696e-06	0.000305	6.63e-06	_inspect.py:140(formatargspec)
313	0.0001741	5.562e-07	0.0005941	1.898e-06	function_base.py:461(_add_docstring)
155	0.0001787	1.153e-06	0.002266	1.462e-05	<frozen importlib._bootstrap>:156(__enter__)
1	0.0001788	0.0001788	0.006105	0.006105	numeric.py:1(<module>)
919	0.0001793	1.951e-07	0.0001793	1.951e-07	~:0(<method '__exit__' of '_thread.lock' objects>)
1196	0.0001798	1.503e-07	0.0001798	1.503e-07	~:0(<built-in method _imp.release_lock>)
313	0.0001836	5.866e-07	0.0002731	8.725e-07	function_base.py:443(_needs_add_docstring)
584	0.0001853	3.173e-07	0.0002732	4.678e-07	<frozen importlib._bootstrap>:878(__exit__)
148	0.0001854	1.253e-06	0.0001854	1.253e-06	~:0(<built-in method nt._path_splitroot>)
253	0.0001862	7.36e-07	0.003115	1.231e-05	<frozen importlib._bootstrap>:385(cached)
1196	0.0001891	1.581e-07	0.0001891	1.581e-07	~:0(<built-in method _imp.acquire_lock>)
618	0.0001916	3.1e-07	0.0002437	3.943e-07	_inspect.py:41(iscode)
225/2	0.0001931	9.655e-05	0.1737	0.08683	<frozen importlib._bootstrap>:220(_call_with_frames_removed)
1048	0.0001946	1.857e-07	0.0001946	1.857e-07	~:0(<built-in method builtins.min>)
259	0.0001957	7.556e-07	0.0001957	7.556e-07	<frozen importlib._bootstrap_external>:64(_relax_case)
65	0.0001973	3.035e-06	0.0001973	3.035e-06	parameters_class_file.py:3(__init__)
316	0.000199	6.297e-07	0.000199	6.297e-07	~:0(<method 'replace' of 'code' objects>)
154	0.0002004	1.301e-06	0.0009212	5.982e-06	<frozen importlib._bootstrap>:58(__init__)
6	0.0002008	3.347e-05	0.0007516	0.0001253	enum.py:521(<listcomp>)
344	0.0002031	5.904e-07	0.0002975	8.648e-07	<frozen importlib._bootstrap>:398(parent)
154	0.0002063	1.34e-06	0.0003149	2.045e-06	<frozen importlib._bootstrap>:185(cb)
641	0.0002075	3.237e-07	0.000422	6.583e-07	sre_parse.py:254(get)
174	0.0002084	1.198e-06	0.007019	4.034e-05	<frozen importlib._bootstrap_external>:145(_path_is_mode_type)
79/29	0.0002214	7.634e-06	0.003752	0.0001294	sre_parse.py:435(_parse_sub)
294	0.0002291	7.793e-07	0.001705	5.798e-06	<frozen importlib._bootstrap_external>:1337(_path_importer_cache)
135	0.0002346	1.738e-06	0.002929	2.17e-05	<frozen importlib._bootstrap_external>:491(_get_cached)
52	0.0002468	4.746e-06	0.0005221	1.004e-05	core.py:887(__init__)
135	0.0002493	1.847e-06	0.001582	1.172e-05	<frozen importlib._bootstrap_external>:1500(_get_spec)
1	0.0002498	0.0002498	0.0002498	0.0002498	~:0(<function SeedSequence.generate_state at 0x0000029BFA172A60>)
354	0.0002517	7.11e-07	0.0004114	1.162e-06	<frozen importlib._bootstrap_external>:79(_unpack_uint32)
708	0.0002609	3.685e-07	0.0004194	5.924e-07	<frozen importlib._bootstrap_external>:129(<genexpr>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
118	0.000279	2.364e-06	0.0005365	4.547e-06	<frozen importlib._bootstrap_external>:560(_classify_pyc)
13	0.0002838	2.183e-05	0.001671	0.0001285	<frozen importlib._bootstrap_external>:1556(_fill_cache)
1	0.0002904	0.0002904	0.003103	0.003103	core.py:1(<module>)
118	0.0002917	2.472e-06	0.01193	0.0001011	<frozen importlib._bootstrap_external>:645(_compile_bytecode)
248	0.0002941	1.186e-06	0.0007202	2.904e-06	~:0(<built-in method builtins.max>)
823	0.0003009	3.656e-07	0.0003009	3.656e-07	sre_parse.py:233(__next)
147/144	0.0003088	2.144e-06	0.03068	0.0002131	<frozen importlib._bootstrap>:558(module_from_spec)
119/1	0.0003178	0.0003178	107.8	107.8	~:0(<built-in method builtins.exec>)
148	0.0003198	2.161e-06	0.0006714	4.536e-06	<frozen importlib._bootstrap_external>:167(_path_isabs)
982	0.0003325	3.386e-07	0.0003325	3.386e-07	~:0(<method 'rpartition' of 'str' objects>)
564	0.0003426	6.074e-07	0.0236	4.185e-05	<frozen importlib._bootstrap_external>:135(_path_stat)
201/69	0.0003466	5.023e-06	0.0004251	6.161e-06	sre_parse.py:174(getwidth)
7	0.0003671	5.244e-05	0.001078	0.000154	enum.py:179(__new__)
303	0.0003672	1.212e-06	0.001843	6.083e-06	<frozen importlib._bootstrap>:203(_lock_unlock_module)
1140	0.0003724	3.267e-07	0.0005374	4.714e-07	sre_parse.py:164(__getitem__)
7	0.0003881	5.544e-05	0.0009141	0.0001306	__init__.py:345(namedtuple)
118/2	0.0003895	0.0001948	0.1743	0.08714	<frozen importlib._bootstrap_external>:849(exec_module)
236	0.0004052	1.717e-06	0.001112	4.711e-06	<frozen importlib._bootstrap_external>:127(_path_split)
622	0.0004058	6.524e-07	0.0004702	7.559e-07	_inspect.py:26(isfunction)
1373	0.0004095	2.983e-07	0.0004095	2.983e-07	<frozen importlib._bootstrap>:231(_verbose_message)
544	0.0004232	7.779e-07	0.0004232	7.779e-07	~:0(<method 'format' of 'str' objects>)
7	0.0004385	6.264e-05	0.0004412	6.303e-05	~:0(<built-in method builtins.eval>)
181/16	0.00044	2.75e-05	0.1683	0.01052	<frozen importlib._bootstrap>:1033(_handle_fromlist)
12	0.0004439	3.699e-05	0.0004439	3.699e-05	~:0(<built-in method _imp.create_builtin>)
151	0.0004452	2.948e-06	0.007688	5.091e-05	re.py:289(_compile)
2	0.0004495	0.0002248	0.0004495	0.0002248	~:0(<built-in method sys.getwindowsversion>)
72	0.000488	6.778e-06	0.0007027	9.76e-06	sre_compile.py:276(_optimize_charset)
135	0.000493	3.652e-06	0.001249	9.254e-06	<frozen importlib._bootstrap_external>:696(spec_from_file_location)
118	0.0004988	4.227e-06	0.01457	0.0001235	<frozen importlib._bootstrap_external>:1041(get_data)
362/8	0.000504	6.3e-05	0.1679	0.02099	~:0(<built-in method builtins.__import__>)
3973	0.0005148	1.296e-07	0.0005148	1.296e-07	~:0(<method 'rstrip' of 'str' objects>)
1593	0.0005152	3.234e-07	0.0005152	3.234e-07	~:0(<built-in method builtins.hasattr>)
2	0.0005328	0.0002664	0.0005328	0.0002664	~:0(<built-in method _ctypes.LoadLibrary>)
1	0.0005604	0.0005604	0.004199	0.004199	defchararray.py:1(<module>)
1768	0.0005678	3.212e-07	0.00063	3.563e-07	~:0(<built-in method builtins.setattr>)
1677/1606	0.0005811	3.618e-07	0.03031	1.887e-05	~:0(<method 'join' of 'str' objects>)
327	0.000599	1.832e-06	0.000599	1.832e-06	functools.py:65(wraps)
28	0.0005997	2.142e-05	0.001054	3.764e-05	inspect.py:626(cleandoc)
313	0.0006313	2.017e-06	0.003659	1.169e-05	function_base.py:475(add_newdoc)
155/2	0.0006415	0.0003208	0.1755	0.08776	<frozen importlib._bootstrap>:967(_find_and_load_unlocked)
147/2	0.0006726	0.0003363	0.1744	0.08718	<frozen importlib._bootstrap>:659(_load_unlocked)
140	0.0006737	4.812e-06	0.03549	0.0002535	<frozen importlib._bootstrap_external>:1374(_get_spec)
147	0.0006777	4.61e-06	0.004608	3.134e-05	<frozen importlib._bootstrap>:486(_init_module_attrs)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
458	0.0006784	1.481e-06	0.0008438	1.842e-06	<frozen importlib._bootstrap>:112(release)
622	0.0006844	1.1e-06	0.0007766	1.249e-06	_inspect.py:13(ismethod)
622	0.0007122	1.145e-06	0.004061	6.53e-06	_inspect.py:96(getargspec)
312	0.0007326	2.348e-06	0.0007326	2.348e-06	~:0(<built-in method _thread.allocate_lock>)
1	0.0007642	0.0007642	0.0007642	0.0007642	~:0(<built-in method _winapi.WaitForSingleObject>)
671	0.0007783	1.16e-06	0.0007783	1.16e-06	~:0(<built-in method __new__ of type object at 0x00007FFCECC85C60>)
286	0.0008286	2.897e-06	0.005102	1.784e-05	overrides.py:88(verify_matching_signatures)
163/29	0.0008329	2.872e-05	0.002024	6.978e-05	sre_compile.py:71(_compile)
3693	0.0008526	2.309e-07	0.0008526	2.309e-07	~:0(<method 'startswith' of 'str' objects>)
236	0.0008942	3.789e-06	0.004614	1.955e-05	<frozen importlib._bootstrap_external>:361(cache_from_source)
4504	0.0008981	1.994e-07	0.0008981	1.994e-07	~:0(<method 'endswith' of 'str' objects>)
7206	0.0009233	1.281e-07	0.0009233	1.281e-07	~:0(<built-in method builtins.isinstance>)
458	0.0009247	2.019e-06	0.0011	2.402e-06	<frozen importlib._bootstrap>:87(acquire)
458	0.0009761	2.131e-06	0.002054	4.484e-06	<frozen importlib._bootstrap>:166(_get_module_lock)
13	0.001065	8.191e-05	0.001065	8.191e-05	~:0(<built-in method nt.listdir>)
316	0.001115	3.528e-06	0.008993	2.846e-05	overrides.py:170(decorator)
329	0.001126	3.422e-06	0.002085	6.337e-06	functools.py:35(update_wrapper)
118	0.001219	1.033e-05	0.001219	1.033e-05	~:0(<method '__exit__' of '_io._IOBase' objects>)
152	0.001237	8.139e-06	0.03794	0.0002496	<frozen importlib._bootstrap>:901(_find_spec)
1244	0.001297	1.042e-06	0.001569	1.261e-06	<frozen importlib._bootstrap_external>:114(<listcomp>)
118	0.00131	1.111e-05	0.03543	0.0003002	<frozen importlib._bootstrap_external>:921(get_code)
4071	0.001332	3.272e-07	0.001346	3.305e-07	~:0(<built-in method builtins.getattr>)
84/31	0.001472	4.747e-05	0.003618	0.0001167	sre_parse.py:493(_parse)
618	0.001859	3.008e-06	0.002102	3.402e-06	_inspect.py:65(getargs)
17/12	0.002042	0.0001702	0.02012	0.001677	~:0(<built-in method _imp.exec_dynamic>)
155/2	0.002112	0.001056	0.1756	0.0878	<frozen importlib._bootstrap>:1002(_find_and_load)
259	0.002422	9.349e-06	0.03295	0.0001272	<frozen importlib._bootstrap_external>:1505(find_spec)
235/234	0.003832	1.638e-05	0.00552	2.359e-05	~:0(<built-in method builtins.__build_class__>)
1	0.004413	0.004413	107.6	107.6	evaluating_optimum_value.py:45(find_optimum_c_value_method)
1	0.004648	0.004648	0.004648	0.004648	~:0(<built-in method _winapi.CreateProcess>)
118	0.004864	4.122e-05	0.004864	4.122e-05	~:0(<method 'read' of '_io.BufferedReader' objects>)
1244	0.006627	5.327e-06	0.0107	8.603e-06	<frozen importlib._bootstrap_external>:91(_path_join)
118	0.007954	6.741e-05	0.007954	6.741e-05	~:0(<built-in method io.open_code>)
118	0.01143	9.687e-05	0.01143	9.687e-05	~:0(<built-in method marshal.loads>)
1	0.01259	0.01259	0.0126	0.0126	~:0(<method 'read' of '_io.TextIOWrapper' objects>)
18717	0.01321	7.06e-07	0.01321	7.06e-07	population_growth_2.py:8(__init__)
56	0.02248	0.0004014	0.0228	0.0004071	~:0(<built-in method builtins.print>)
17	0.02332	0.001372	0.02513	0.001478	~:0(<built-in method _imp.create_dynamic>)
566	0.02336	4.128e-05	0.02336	4.128e-05	~:0(<built-in method nt.stat>)
82318/82145	0.02955	3.597e-07	0.0296	3.603e-07	~:0(<built-in method builtins.len>)
18717	0.03512	1.876e-06	0.03512	1.876e-06	making_groups.py:11(__init__)
18717	0.03732	1.994e-06	0.03732	1.994e-06	Declaring_winner.py:20(ending_simulation)
18717	0.0532	2.842e-06	0.089	4.755e-06	population_growth_for_n_groups.py:57(finding_normalised_group_dictiona

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
18717	0.06257	3.343e-06	0.07579	4.049e-06	population_growth_for_n_groups.py:6(__init__)
18717	0.06257	3.343e-06	64.95	0.00347	population_growth_for_n_groups.py:66(population_growth_pooling_and_n
18717	0.2096	1.12e-05	30.27	0.001617	making_groups.py:37(generate_group)
37448	0.4313	1.152e-05	0.4313	1.152e-05	~:0(<built-in method builtins.round>)
1871700	0.5472	2.924e-07	0.5472	2.924e-07	population_growth_2.py:69(finding_population_dictionary_at_the_end_of_
54	0.7148	0.01324	107.5	1.992	Evolving_for_one_timestep.py:40(run_simulation_method)
18717	0.8704	4.65e-05	0.8704	4.65e-05	making_groups.py:41(<listcomp>)
18717	0.9068	4.845e-05	0.9068	4.845e-05	population_growth_for_n_groups.py:38(find_pooled_groups_dictionary)
3743401	1.086	2.9e-07	1.086	2.9e-07	~:0(<method 'count' of 'list' objects>)
3743401	1.245	3.325e-07	1.245	3.325e-07	absolute_fitness_equations_classes_2.py:5(__init__)
7505535	1.257	1.675e-07	1.257	1.675e-07	~:0(<method 'values' of 'dict' objects>)
3743401	2.12	5.662e-07	2.12	5.662e-07	absolute_fitness_equations_classes_2.py:30(__init__)
18698283	2.156	1.153e-07	2.156	1.153e-07	~:0(<method 'bit_length' of 'int' objects>)
7505519	2.209	2.944e-07	2.209	2.944e-07	~:0(<built-in method builtins.sum>)
18717	2.452	0.000131	3.821	0.0002041	making_groups.py:47(convert_groups_to_compact_form)
18717	3.128	0.0001671	63.89	0.003414	population_growth_for_n_groups.py:23(population_growth_of_n_groups_o
24336742	3.522	1.447e-07	3.522	1.447e-07	~:0(<method 'append' of 'list' objects>)
3743400	3.725	9.952e-07	3.725	9.952e-07	absolute_fitness_equations_classes_2.py:18(individual_fitness_due_to_trait
1871700	3.769	2.014e-06	59.78	3.194e-05	population_growth_2.py:45(finding_population_dictionaries_over_time)
26164273	3.857	1.474e-07	3.857	1.474e-07	~:0(<method 'getrandbits' of '_random.Random' objects>)
18717	4.872	0.0002603	7.643	0.0004083	making_groups.py:28(generate_list_of_individuals)
7486802	7.33	9.79e-07	10.76	1.437e-06	absolute_fitness_equations_classes_2.py:59(find_proportion_of_the_trait_in
1871700	7.534	4.025e-06	55.54	2.967e-05	population_growth_2.py:16(find_group_dictionary_at_next_generation)
7486802	8.522	1.138e-06	8.522	1.138e-06	absolute_fitness_equations_classes_2.py:47(find_effect_on_group_fitness_
18717	9.44	0.0005043	29.18	0.001559	random.py:349(shuffle)
3743401	10.7	2.858e-06	29.98	8.009e-06	absolute_fitness_equations_classes_2.py:67(fitness_of_a_group)
3743400	10.94	2.921e-06	48.01	1.282e-05	population_growth_2.py:76(find_realised_fitness_function)
18698283	13.72	7.337e-07	19.73	1.055e-06	random.py:238(_randbelow_with_getrandbits)

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