kevinbaconpython

November 10, 2022

```
[299]: pip install -Iv networkx==1.10
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Using pip 22.0.4 from /cvmfs/sft.cern.ch/lcg/views/LCG_102swan/x86_64-centos7-gc
c8-opt/lib/python3.9/site-packages/pip (python 3.9)
Defaulting to user installation because normal site-packages is not writeable
Collecting networkx==1.10
  Downloading networkx-1.10.zip (1.5 MB)
                              1.5/1.5 MB
13.2 MB/s eta 0:00:0000:01
  Running command python setup.py egg_info
  running egg_info
  creating /tmp/pip-pip-egg-info-751k6q3v/networkx.egg-info
  writing /tmp/pip-pip-egg-info-751k6q3v/networkx.egg-info/PKG-INFO
  writing dependency_links to /tmp/pip-pip-egg-info-751k6q3v/networkx.egg-
info/dependency_links.txt
  writing requirements to /tmp/pip-pip-egg-info-751k6q3v/networkx.egg-
info/requires.txt
  writing top-level names to /tmp/pip-pip-egg-info-751k6q3v/networkx.egg-
info/top_level.txt
  writing manifest file '/tmp/pip-pip-egg-info-751k6q3v/networkx.egg-
info/SOURCES.txt'
  listing git files failed - pretending there aren't any
  reading manifest file '/tmp/pip-pip-egg-info-751k6q3v/networkx.egg-
info/SOURCES.txt'
  reading manifest template 'MANIFEST.in'
  warning: no files found matching 'scripts/*'
  warning: no files found matching 'networkx/tests/*.txt'
  warning: no files found matching 'networkx/*/*/tests/*.txt'
  warning: no previously-included files matching '*~' found anywhere in
distribution
  warning: no previously-included files matching '*.pyc' found anywhere in
distribution
  warning: no previously-included files matching '.svn' found anywhere in
distribution
  no previously-included directories found matching 'doc/build'
  no previously-included directories found matching
'doc/source/reference/generated'
  no previously-included directories found matching 'doc/source/examples'

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  no previously-included directories found matching 'doc/source/static/examples'
  no previously-included directories found matching
'doc/source/templates/gallery.html'
  adding license file 'LICENSE.txt'
  writing manifest file '/tmp/pip-pip-egg-info-751k6q3v/networkx.egg-
info/SOURCES.txt'
  Preparing metadata (setup.py) … done
Collecting decorator>=3.4.0
  Downloading decorator-5.1.1-py3-none-any.whl (9.1 kB)
Building wheels for collected packages: networkx
  Running command python setup.py bdist_wheel
  running bdist_wheel
  The [wheel] section is deprecated. Use [bdist_wheel] instead.
  running build
  running build_py
  creating build
  creating build/lib
  creating build/lib/networkx
  copying networkx/version.py -> build/lib/networkx
  copying networkx/exception.py -> build/lib/networkx
  copying networkx/__init__.py -> build/lib/networkx
  copying networkx/convert_matrix.py -> build/lib/networkx
  copying networkx/relabel.py -> build/lib/networkx
  copying networkx/convert.py -> build/lib/networkx
  copying networkx/release.py -> build/lib/networkx
  creating build/lib/networkx/algorithms
  copying networkx/algorithms/swap.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/hybrid.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/isolate.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/__init__.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/cycles.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/link_prediction.py ->
build/lib/networkx/algorithms
  copying networkx/algorithms/mis.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/dag.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/distance_measures.py ->
build/lib/networkx/algorithms
  copying networkx/algorithms/dominating.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/clique.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/minors.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/boundary.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/mst.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/dominance.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/vitality.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/block.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/richclub.py -> build/lib/networkx/algorithms
  copying networkx/algorithms/distance_regular.py ->
build/lib/networkx/algorithms
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copying networkx/algorithms/core.py -> build/lib/networkx/algorithms
copying networkx/algorithms/graphical.py -> build/lib/networkx/algorithms
copying networkx/algorithms/hierarchy.py -> build/lib/networkx/algorithms
copying networkx/algorithms/smetric.py -> build/lib/networkx/algorithms
copying networkx/algorithms/matching.py -> build/lib/networkx/algorithms
copying networkx/algorithms/triads.py -> build/lib/networkx/algorithms
copying networkx/algorithms/simple_paths.py -> build/lib/networkx/algorithms
copying networkx/algorithms/euler.py -> build/lib/networkx/algorithms
copying networkx/algorithms/cluster.py -> build/lib/networkx/algorithms
creating build/lib/networkx/algorithms/assortativity
copying networkx/algorithms/assortativity/correlation.py ->
build/lib/networkx/algorithms/assortativity
copying networkx/algorithms/assortativity/neighbor_degree.py ->
build/lib/networkx/algorithms/assortativity
copying networkx/algorithms/assortativity/__init__.py ->
build/lib/networkx/algorithms/assortativity
copying networkx/algorithms/assortativity/connectivity.py ->
build/lib/networkx/algorithms/assortativity
copying networkx/algorithms/assortativity/pairs.py ->
build/lib/networkx/algorithms/assortativity
copying networkx/algorithms/assortativity/mixing.py ->
build/lib/networkx/algorithms/assortativity
creating build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/generators.py ->
build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/__init__.py ->
build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/matrix.py ->
build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/spectral.py ->
build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/redundancy.py ->
build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/centrality.py ->
build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/basic.py ->
build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/projection.py ->
build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/matching.py ->
build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/edgelist.py ->
build/lib/networkx/algorithms/bipartite
copying networkx/algorithms/bipartite/cluster.py ->
build/lib/networkx/algorithms/bipartite
creating build/lib/networkx/algorithms/centrality
copying networkx/algorithms/centrality/flow_matrix.py ->
build/lib/networkx/algorithms/centrality
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  copying networkx/algorithms/centrality/eigenvector.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/__init__.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/current_flow_betweenness.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/betweenness.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/katz.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/load.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/degree_alg.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/current_flow_closeness.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/betweenness_subset.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/closeness.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/harmonic.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/communicability_alg.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/current_flow_betweenness_subset.py ->
build/lib/networkx/algorithms/centrality
  copying networkx/algorithms/centrality/dispersion.py ->
build/lib/networkx/algorithms/centrality
  creating build/lib/networkx/algorithms/chordal
  copying networkx/algorithms/chordal/__init__.py ->
build/lib/networkx/algorithms/chordal
  copying networkx/algorithms/chordal/chordal_alg.py ->
build/lib/networkx/algorithms/chordal
  creating build/lib/networkx/algorithms/community
  copying networkx/algorithms/community/__init__.py ->
build/lib/networkx/algorithms/community
  copying networkx/algorithms/community/kclique.py ->
build/lib/networkx/algorithms/community
  creating build/lib/networkx/algorithms/components
  copying networkx/algorithms/components/__init__.py ->
build/lib/networkx/algorithms/components
  copying networkx/algorithms/components/strongly_connected.py ->
build/lib/networkx/algorithms/components
  copying networkx/algorithms/components/biconnected.py ->
build/lib/networkx/algorithms/components
  copying networkx/algorithms/components/connected.py ->
build/lib/networkx/algorithms/components
  copying networkx/algorithms/components/weakly_connected.py ->
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build/lib/networkx/algorithms/components
  copying networkx/algorithms/components/semiconnected.py ->
build/lib/networkx/algorithms/components
  copying networkx/algorithms/components/attracting.py ->
build/lib/networkx/algorithms/components
  creating build/lib/networkx/algorithms/connectivity
  copying networkx/algorithms/connectivity/kcomponents.py ->
build/lib/networkx/algorithms/connectivity
  copying networkx/algorithms/connectivity/__init__.py ->
build/lib/networkx/algorithms/connectivity
  copying networkx/algorithms/connectivity/cuts.py ->
build/lib/networkx/algorithms/connectivity
  copying networkx/algorithms/connectivity/stoerwagner.py ->
build/lib/networkx/algorithms/connectivity
  copying networkx/algorithms/connectivity/kcutsets.py ->
build/lib/networkx/algorithms/connectivity
  copying networkx/algorithms/connectivity/connectivity.py ->
build/lib/networkx/algorithms/connectivity
  copying networkx/algorithms/connectivity/utils.py ->
build/lib/networkx/algorithms/connectivity
  creating build/lib/networkx/algorithms/coloring
  copying networkx/algorithms/coloring/__init__.py ->
build/lib/networkx/algorithms/coloring
  copying networkx/algorithms/coloring/greedy_coloring.py ->
build/lib/networkx/algorithms/coloring
  copying networkx/algorithms/coloring/greedy_coloring_with_interchange.py ->
build/lib/networkx/algorithms/coloring
  creating build/lib/networkx/algorithms/flow
  copying networkx/algorithms/flow/networksimplex.py ->
build/lib/networkx/algorithms/flow
  copying networkx/algorithms/flow/edmondskarp.py ->
build/lib/networkx/algorithms/flow
  copying networkx/algorithms/flow/__init__.py ->
build/lib/networkx/algorithms/flow
  copying networkx/algorithms/flow/shortestaugmentingpath.py ->
build/lib/networkx/algorithms/flow
  copying networkx/algorithms/flow/maxflow.py ->
build/lib/networkx/algorithms/flow
  copying networkx/algorithms/flow/capacityscaling.py ->
build/lib/networkx/algorithms/flow
  copying networkx/algorithms/flow/mincost.py ->
build/lib/networkx/algorithms/flow
  copying networkx/algorithms/flow/utils.py ->
build/lib/networkx/algorithms/flow
  copying networkx/algorithms/flow/preflowpush.py ->
build/lib/networkx/algorithms/flow
  creating build/lib/networkx/algorithms/traversal
  copying networkx/algorithms/traversal/__init__.py ->
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build/lib/networkx/algorithms/traversal
  copying networkx/algorithms/traversal/breadth_first_search.py ->
build/lib/networkx/algorithms/traversal
  copying networkx/algorithms/traversal/depth_first_search.py ->
build/lib/networkx/algorithms/traversal
  copying networkx/algorithms/traversal/edgedfs.py ->
build/lib/networkx/algorithms/traversal
  creating build/lib/networkx/algorithms/isomorphism
  copying networkx/algorithms/isomorphism/__init__.py ->
build/lib/networkx/algorithms/isomorphism
  copying networkx/algorithms/isomorphism/isomorphvf2.py ->
build/lib/networkx/algorithms/isomorphism
  copying networkx/algorithms/isomorphism/vf2userfunc.py ->
build/lib/networkx/algorithms/isomorphism
  copying networkx/algorithms/isomorphism/matchhelpers.py ->
build/lib/networkx/algorithms/isomorphism
  copying networkx/algorithms/isomorphism/isomorph.py ->
build/lib/networkx/algorithms/isomorphism
  creating build/lib/networkx/algorithms/shortest_paths
  copying networkx/algorithms/shortest_paths/__init__.py ->
build/lib/networkx/algorithms/shortest_paths
  copying networkx/algorithms/shortest_paths/unweighted.py ->
build/lib/networkx/algorithms/shortest_paths
  copying networkx/algorithms/shortest_paths/weighted.py ->
build/lib/networkx/algorithms/shortest_paths
  copying networkx/algorithms/shortest_paths/generic.py ->
build/lib/networkx/algorithms/shortest_paths
  copying networkx/algorithms/shortest_paths/astar.py ->
build/lib/networkx/algorithms/shortest_paths
  copying networkx/algorithms/shortest_paths/dense.py ->
build/lib/networkx/algorithms/shortest_paths
  creating build/lib/networkx/algorithms/link_analysis
  copying networkx/algorithms/link_analysis/__init__.py ->
build/lib/networkx/algorithms/link_analysis
  copying networkx/algorithms/link_analysis/hits_alg.py ->
build/lib/networkx/algorithms/link_analysis
  copying networkx/algorithms/link_analysis/pagerank_alg.py ->
build/lib/networkx/algorithms/link_analysis
  creating build/lib/networkx/algorithms/operators
  copying networkx/algorithms/operators/__init__.py ->
build/lib/networkx/algorithms/operators
  copying networkx/algorithms/operators/all.py ->
build/lib/networkx/algorithms/operators
  copying networkx/algorithms/operators/unary.py ->
build/lib/networkx/algorithms/operators
  copying networkx/algorithms/operators/product.py ->
build/lib/networkx/algorithms/operators
  copying networkx/algorithms/operators/binary.py ->
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build/lib/networkx/algorithms/operators
  creating build/lib/networkx/algorithms/approximation
  copying networkx/algorithms/approximation/kcomponents.py ->
build/lib/networkx/algorithms/approximation
  copying networkx/algorithms/approximation/independent_set.py ->
build/lib/networkx/algorithms/approximation
  copying networkx/algorithms/approximation/__init__.py ->
build/lib/networkx/algorithms/approximation
  copying networkx/algorithms/approximation/ramsey.py ->
build/lib/networkx/algorithms/approximation
  copying networkx/algorithms/approximation/vertex_cover.py ->
build/lib/networkx/algorithms/approximation
  copying networkx/algorithms/approximation/clique.py ->
build/lib/networkx/algorithms/approximation
  copying networkx/algorithms/approximation/clustering_coefficient.py ->
build/lib/networkx/algorithms/approximation
  copying networkx/algorithms/approximation/connectivity.py ->
build/lib/networkx/algorithms/approximation
  copying networkx/algorithms/approximation/dominating_set.py ->
build/lib/networkx/algorithms/approximation
  copying networkx/algorithms/approximation/matching.py ->
build/lib/networkx/algorithms/approximation
  creating build/lib/networkx/algorithms/tree
  copying networkx/algorithms/tree/branchings.py ->
build/lib/networkx/algorithms/tree
  copying networkx/algorithms/tree/recognition.py ->
build/lib/networkx/algorithms/tree
  copying networkx/algorithms/tree/__init__.py ->
build/lib/networkx/algorithms/tree
  creating build/lib/networkx/classes
  copying networkx/classes/__init__.py -> build/lib/networkx/classes
  copying networkx/classes/function.py -> build/lib/networkx/classes
  copying networkx/classes/multidigraph.py -> build/lib/networkx/classes
  copying networkx/classes/digraph.py -> build/lib/networkx/classes
  copying networkx/classes/ordered.py -> build/lib/networkx/classes
  copying networkx/classes/multigraph.py -> build/lib/networkx/classes
  copying networkx/classes/graph.py -> build/lib/networkx/classes
  creating build/lib/networkx/external
  copying networkx/external/__init__.py -> build/lib/networkx/external
  creating build/lib/networkx/generators
  copying networkx/generators/__init__.py -> build/lib/networkx/generators
  copying networkx/generators/directed.py -> build/lib/networkx/generators
  copying networkx/generators/intersection.py -> build/lib/networkx/generators
  copying networkx/generators/classic.py -> build/lib/networkx/generators
  copying networkx/generators/social.py -> build/lib/networkx/generators
  copying networkx/generators/community.py -> build/lib/networkx/generators
  copying networkx/generators/expanders.py -> build/lib/networkx/generators
  copying networkx/generators/atlas.py -> build/lib/networkx/generators
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copying networkx/generators/small.py -> build/lib/networkx/generators
copying networkx/generators/degree_seq.py -> build/lib/networkx/generators
copying networkx/generators/random_graphs.py -> build/lib/networkx/generators
copying networkx/generators/geometric.py -> build/lib/networkx/generators
copying networkx/generators/random_clustered.py ->
build/lib/networkx/generators
copying networkx/generators/line.py -> build/lib/networkx/generators
copying networkx/generators/stochastic.py -> build/lib/networkx/generators
copying networkx/generators/ego.py -> build/lib/networkx/generators
copying networkx/generators/threshold.py -> build/lib/networkx/generators
copying networkx/generators/nonisomorphic_trees.py ->
build/lib/networkx/generators
creating build/lib/networkx/drawing
copying networkx/drawing/__init__.py -> build/lib/networkx/drawing
copying networkx/drawing/nx_agraph.py -> build/lib/networkx/drawing
copying networkx/drawing/nx_pylab.py -> build/lib/networkx/drawing
copying networkx/drawing/nx_pydot.py -> build/lib/networkx/drawing
copying networkx/drawing/layout.py -> build/lib/networkx/drawing
creating build/lib/networkx/linalg
copying networkx/linalg/attrmatrix.py -> build/lib/networkx/linalg
copying networkx/linalg/laplacianmatrix.py -> build/lib/networkx/linalg
copying networkx/linalg/algebraicconnectivity.py -> build/lib/networkx/linalg
copying networkx/linalg/__init__.py -> build/lib/networkx/linalg
copying networkx/linalg/graphmatrix.py -> build/lib/networkx/linalg
copying networkx/linalg/modularitymatrix.py -> build/lib/networkx/linalg
copying networkx/linalg/spectrum.py -> build/lib/networkx/linalg
creating build/lib/networkx/readwrite
copying networkx/readwrite/p2g.py -> build/lib/networkx/readwrite
copying networkx/readwrite/multiline_adjlist.py ->
build/lib/networkx/readwrite
copying networkx/readwrite/__init__.py -> build/lib/networkx/readwrite
copying networkx/readwrite/leda.py -> build/lib/networkx/readwrite
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copying networkx/readwrite/adjlist.py -> build/lib/networkx/readwrite
copying networkx/readwrite/sparse6.py -> build/lib/networkx/readwrite
copying networkx/readwrite/nx_yaml.py -> build/lib/networkx/readwrite
copying networkx/readwrite/nx_shp.py -> build/lib/networkx/readwrite
copying networkx/readwrite/graph6.py -> build/lib/networkx/readwrite
copying networkx/readwrite/edgelist.py -> build/lib/networkx/readwrite
copying networkx/readwrite/gml.py -> build/lib/networkx/readwrite
creating build/lib/networkx/readwrite/json_graph
copying networkx/readwrite/json_graph/__init__.py ->
build/lib/networkx/readwrite/json_graph
copying networkx/readwrite/json_graph/tree.py ->
build/lib/networkx/readwrite/json_graph
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  copying networkx/readwrite/json_graph/adjacency.py ->
build/lib/networkx/readwrite/json_graph
  copying networkx/readwrite/json_graph/node_link.py ->
build/lib/networkx/readwrite/json_graph
  creating build/lib/networkx/tests
  copying networkx/tests/test.py -> build/lib/networkx/tests
  copying networkx/tests/test_convert_scipy.py -> build/lib/networkx/tests
  copying networkx/tests/__init__.py -> build/lib/networkx/tests
  copying networkx/tests/test_convert.py -> build/lib/networkx/tests
  copying networkx/tests/test_exceptions.py -> build/lib/networkx/tests
  copying networkx/tests/test_convert_numpy.py -> build/lib/networkx/tests
  copying networkx/tests/test_relabel.py -> build/lib/networkx/tests
  copying networkx/tests/test_convert_pandas.py -> build/lib/networkx/tests
  copying networkx/tests/benchmark.py -> build/lib/networkx/tests
  creating build/lib/networkx/testing
  copying networkx/testing/__init__.py -> build/lib/networkx/testing
  copying networkx/testing/utils.py -> build/lib/networkx/testing
  creating build/lib/networkx/utils
  copying networkx/utils/heaps.py -> build/lib/networkx/utils
  copying networkx/utils/random_sequence.py -> build/lib/networkx/utils
  copying networkx/utils/__init__.py -> build/lib/networkx/utils
  copying networkx/utils/misc.py -> build/lib/networkx/utils
  copying networkx/utils/decorators.py -> build/lib/networkx/utils
  copying networkx/utils/contextmanagers.py -> build/lib/networkx/utils
  copying networkx/utils/rcm.py -> build/lib/networkx/utils
  copying networkx/utils/union_find.py -> build/lib/networkx/utils
  creating build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_dominating.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_distance_regular.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_mis.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_block.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_euler.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_distance_measures.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_mst.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_clique.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_dominance.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_richclub.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_smetric.py ->
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build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_vitality.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_minors.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_swap.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_cluster.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_link_prediction.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_triads.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_boundary.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_hierarchy.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_dag.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_simple_paths.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_cycles.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_graphical.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_matching.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_core.py ->
build/lib/networkx/algorithms/tests
  copying networkx/algorithms/tests/test_hybrid.py ->
build/lib/networkx/algorithms/tests
  creating build/lib/networkx/algorithms/assortativity/tests
  copying networkx/algorithms/assortativity/tests/test_pairs.py ->
build/lib/networkx/algorithms/assortativity/tests
  copying networkx/algorithms/assortativity/tests/test_connectivity.py ->
build/lib/networkx/algorithms/assortativity/tests
  copying networkx/algorithms/assortativity/tests/test_correlation.py ->
build/lib/networkx/algorithms/assortativity/tests
  copying networkx/algorithms/assortativity/tests/test_neighbor_degree.py ->
build/lib/networkx/algorithms/assortativity/tests
  copying networkx/algorithms/assortativity/tests/base_test.py ->
build/lib/networkx/algorithms/assortativity/tests
  copying networkx/algorithms/assortativity/tests/test_mixing.py ->
build/lib/networkx/algorithms/assortativity/tests
  creating build/lib/networkx/algorithms/bipartite/tests
  copying networkx/algorithms/bipartite/tests/test_edgelist.py ->
build/lib/networkx/algorithms/bipartite/tests
  copying networkx/algorithms/bipartite/tests/test_generators.py ->
```

```
build/lib/networkx/algorithms/bipartite/tests
  copying networkx/algorithms/bipartite/tests/test_centrality.py ->
build/lib/networkx/algorithms/bipartite/tests
  copying networkx/algorithms/bipartite/tests/test_basic.py ->
build/lib/networkx/algorithms/bipartite/tests
  copying networkx/algorithms/bipartite/tests/test_matrix.py ->
build/lib/networkx/algorithms/bipartite/tests
  copying networkx/algorithms/bipartite/tests/test_cluster.py ->
build/lib/networkx/algorithms/bipartite/tests
  copying networkx/algorithms/bipartite/tests/test_redundancy.py ->
build/lib/networkx/algorithms/bipartite/tests
  copying networkx/algorithms/bipartite/tests/test_spectral_bipartivity.py ->
build/lib/networkx/algorithms/bipartite/tests
  copying networkx/algorithms/bipartite/tests/test_project.py ->
build/lib/networkx/algorithms/bipartite/tests
  copying networkx/algorithms/bipartite/tests/test_matching.py ->
build/lib/networkx/algorithms/bipartite/tests
  creating build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_load_centrality.py ->
build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_degree_centrality.py ->
build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_betweenness_centrality.py ->
build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_current_flow_betweenness_cen
trality_subset.py -> build/lib/networkx/algorithms/centrality/tests
  copying
networkx/algorithms/centrality/tests/test_betweenness_centrality_subset.py ->
build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_katz_centrality.py ->
build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_eigenvector_centrality.py ->
build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_dispersion.py ->
build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_current_flow_closeness.py ->
build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_closeness_centrality.py ->
build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_communicability.py ->
build/lib/networkx/algorithms/centrality/tests
  copying networkx/algorithms/centrality/tests/test_harmonic_centrality.py ->
build/lib/networkx/algorithms/centrality/tests
  copying
networkx/algorithms/centrality/tests/test_current_flow_betweenness_centrality.py
-> build/lib/networkx/algorithms/centrality/tests
  creating build/lib/networkx/algorithms/chordal/tests
  copying networkx/algorithms/chordal/tests/test_chordal.py ->
```

```
build/lib/networkx/algorithms/chordal/tests
  creating build/lib/networkx/algorithms/community/tests
  copying networkx/algorithms/community/tests/test_kclique.py ->
build/lib/networkx/algorithms/community/tests
  creating build/lib/networkx/algorithms/components/tests
  copying networkx/algorithms/components/tests/test_connected.py ->
build/lib/networkx/algorithms/components/tests
  copying networkx/algorithms/components/tests/test_attracting.py ->
build/lib/networkx/algorithms/components/tests
  copying networkx/algorithms/components/tests/test_semiconnected.py ->
build/lib/networkx/algorithms/components/tests
  copying networkx/algorithms/components/tests/test_strongly_connected.py ->
build/lib/networkx/algorithms/components/tests
  copying networkx/algorithms/components/tests/test_weakly_connected.py ->
build/lib/networkx/algorithms/components/tests
  copying networkx/algorithms/components/tests/test_subgraph_copies.py ->
build/lib/networkx/algorithms/components/tests
  copying networkx/algorithms/components/tests/test_biconnected.py ->
build/lib/networkx/algorithms/components/tests
  creating build/lib/networkx/algorithms/connectivity/tests
  copying networkx/algorithms/connectivity/tests/test_connectivity.py ->
build/lib/networkx/algorithms/connectivity/tests
  copying networkx/algorithms/connectivity/tests/test_kcutsets.py ->
build/lib/networkx/algorithms/connectivity/tests
  copying networkx/algorithms/connectivity/tests/test_stoer_wagner.py ->
build/lib/networkx/algorithms/connectivity/tests
  copying networkx/algorithms/connectivity/tests/test_cuts.py ->
build/lib/networkx/algorithms/connectivity/tests
  copying networkx/algorithms/connectivity/tests/test_kcomponents.py ->
build/lib/networkx/algorithms/connectivity/tests
  creating build/lib/networkx/algorithms/coloring/tests
  copying networkx/algorithms/coloring/tests/test_coloring.py ->
build/lib/networkx/algorithms/coloring/tests
  creating build/lib/networkx/algorithms/flow/tests
  copying networkx/algorithms/flow/tests/test_maxflow_large_graph.py ->
build/lib/networkx/algorithms/flow/tests
  copying networkx/algorithms/flow/tests/test_mincost.py ->
build/lib/networkx/algorithms/flow/tests
  copying networkx/algorithms/flow/tests/test_maxflow.py ->
build/lib/networkx/algorithms/flow/tests
  copying networkx/algorithms/flow/tests/gw1.gpickle.bz2 ->
build/lib/networkx/algorithms/flow/tests
  copying networkx/algorithms/flow/tests/gl1.gpickle.bz2 ->
build/lib/networkx/algorithms/flow/tests
  copying networkx/algorithms/flow/tests/wlm3.gpickle.bz2 ->
build/lib/networkx/algorithms/flow/tests
  copying networkx/algorithms/flow/tests/netgen-2.gpickle.bz2 ->
build/lib/networkx/algorithms/flow/tests
```

```
creating build/lib/networkx/algorithms/traversal/tests
copying networkx/algorithms/traversal/tests/test_bfs.py ->
build/lib/networkx/algorithms/traversal/tests
copying networkx/algorithms/traversal/tests/test_dfs.py ->
build/lib/networkx/algorithms/traversal/tests
copying networkx/algorithms/traversal/tests/test_edgedfs.py ->
build/lib/networkx/algorithms/traversal/tests
creating build/lib/networkx/algorithms/isomorphism/tests
copying networkx/algorithms/isomorphism/tests/test_vf2userfunc.py ->
build/lib/networkx/algorithms/isomorphism/tests
copying networkx/algorithms/isomorphism/tests/test_isomorphvf2.py ->
build/lib/networkx/algorithms/isomorphism/tests
copying networkx/algorithms/isomorphism/tests/test_isomorphism.py ->
build/lib/networkx/algorithms/isomorphism/tests
copying networkx/algorithms/isomorphism/tests/iso_r01_s80.A99 ->
build/lib/networkx/algorithms/isomorphism/tests
copying networkx/algorithms/isomorphism/tests/si2_b06_m200.B99 ->
build/lib/networkx/algorithms/isomorphism/tests
copying networkx/algorithms/isomorphism/tests/si2_b06_m200.A99 ->
build/lib/networkx/algorithms/isomorphism/tests
copying networkx/algorithms/isomorphism/tests/iso_r01_s80.B99 ->
build/lib/networkx/algorithms/isomorphism/tests
creating build/lib/networkx/algorithms/shortest_paths/tests
copying networkx/algorithms/shortest_paths/tests/test_astar.py ->
build/lib/networkx/algorithms/shortest_paths/tests
copying networkx/algorithms/shortest_paths/tests/test_generic.py ->
build/lib/networkx/algorithms/shortest_paths/tests
copying networkx/algorithms/shortest_paths/tests/test_unweighted.py ->
build/lib/networkx/algorithms/shortest_paths/tests
copying networkx/algorithms/shortest_paths/tests/test_weighted.py ->
build/lib/networkx/algorithms/shortest_paths/tests
copying networkx/algorithms/shortest_paths/tests/test_dense_numpy.py ->
build/lib/networkx/algorithms/shortest_paths/tests
copying networkx/algorithms/shortest_paths/tests/test_dense.py ->
build/lib/networkx/algorithms/shortest_paths/tests
creating build/lib/networkx/algorithms/link_analysis/tests
copying networkx/algorithms/link_analysis/tests/test_hits.py ->
build/lib/networkx/algorithms/link_analysis/tests
copying networkx/algorithms/link_analysis/tests/test_pagerank.py ->
build/lib/networkx/algorithms/link_analysis/tests
creating build/lib/networkx/algorithms/operators/tests
copying networkx/algorithms/operators/tests/test_binary.py ->
build/lib/networkx/algorithms/operators/tests
copying networkx/algorithms/operators/tests/test_product.py ->
build/lib/networkx/algorithms/operators/tests
copying networkx/algorithms/operators/tests/test_all.py ->
build/lib/networkx/algorithms/operators/tests
copying networkx/algorithms/operators/tests/test_unary.py ->
```

```
build/lib/networkx/algorithms/operators/tests
  creating build/lib/networkx/algorithms/approximation/tests
  copying networkx/algorithms/approximation/tests/test_approx_clust_coeff.py ->
build/lib/networkx/algorithms/approximation/tests
  copying networkx/algorithms/approximation/tests/test_dominating_set.py ->
build/lib/networkx/algorithms/approximation/tests
  copying networkx/algorithms/approximation/tests/test_connectivity.py ->
build/lib/networkx/algorithms/approximation/tests
  copying networkx/algorithms/approximation/tests/test_clique.py ->
build/lib/networkx/algorithms/approximation/tests
  copying networkx/algorithms/approximation/tests/test_independent_set.py ->
build/lib/networkx/algorithms/approximation/tests
  copying networkx/algorithms/approximation/tests/test_vertex_cover.py ->
build/lib/networkx/algorithms/approximation/tests
  copying networkx/algorithms/approximation/tests/test_ramsey.py ->
build/lib/networkx/algorithms/approximation/tests
  copying networkx/algorithms/approximation/tests/test_kcomponents.py ->
build/lib/networkx/algorithms/approximation/tests
  copying networkx/algorithms/approximation/tests/test_matching.py ->
build/lib/networkx/algorithms/approximation/tests
  creating build/lib/networkx/algorithms/tree/tests
  copying networkx/algorithms/tree/tests/test_branchings.py ->
build/lib/networkx/algorithms/tree/tests
  copying networkx/algorithms/tree/tests/test_recognition.py ->
build/lib/networkx/algorithms/tree/tests
  creating build/lib/networkx/classes/tests
  copying networkx/classes/tests/test_graph_historical.py ->
build/lib/networkx/classes/tests
  copying networkx/classes/tests/test_multidigraph.py ->
build/lib/networkx/classes/tests
  copying networkx/classes/tests/test_digraph.py ->
build/lib/networkx/classes/tests
  copying networkx/classes/tests/test_digraph_historical.py ->
build/lib/networkx/classes/tests
  copying networkx/classes/tests/historical_tests.py ->
build/lib/networkx/classes/tests
  copying networkx/classes/tests/test_multigraph.py ->
build/lib/networkx/classes/tests
  copying networkx/classes/tests/test_timing.py ->
build/lib/networkx/classes/tests
  copying networkx/classes/tests/test_special.py ->
build/lib/networkx/classes/tests
  copying networkx/classes/tests/test_function.py ->
build/lib/networkx/classes/tests
  copying networkx/classes/tests/test_ordered.py ->
build/lib/networkx/classes/tests
  copying networkx/classes/tests/timingclasses.py ->
build/lib/networkx/classes/tests
```

```
copying networkx/classes/tests/test_graph.py ->
build/lib/networkx/classes/tests
  creating build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_random_clustered.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_random_graphs.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_ego.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_atlas.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_degree_seq.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_directed.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_stochastic.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_geometric.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_threshold.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_nonisomorphic_trees.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_intersection.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_line.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_small.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_community.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_expanders.py ->
build/lib/networkx/generators/tests
  copying networkx/generators/tests/test_classic.py ->
build/lib/networkx/generators/tests
  creating build/lib/networkx/drawing/tests
  copying networkx/drawing/tests/test_layout.py ->
build/lib/networkx/drawing/tests
  copying networkx/drawing/tests/test_agraph.py ->
build/lib/networkx/drawing/tests
  copying networkx/drawing/tests/test_pylab.py ->
build/lib/networkx/drawing/tests
  copying networkx/drawing/tests/test_pydot.py ->
build/lib/networkx/drawing/tests
  creating build/lib/networkx/linalg/tests
  copying networkx/linalg/tests/test_spectrum.py ->
build/lib/networkx/linalg/tests
  copying networkx/linalg/tests/test_laplacian.py ->
```

```
build/lib/networkx/linalg/tests
  copying networkx/linalg/tests/test_graphmatrix.py ->
build/lib/networkx/linalg/tests
  copying networkx/linalg/tests/test_modularity.py ->
build/lib/networkx/linalg/tests
  copying networkx/linalg/tests/test_algebraic_connectivity.py ->
build/lib/networkx/linalg/tests
  creating build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_edgelist.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_sparse6.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_yaml.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_gpickle.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_shp.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_adjlist.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_graphml.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_graph6.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_gml.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_p2g.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_gexf.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_leda.py ->
build/lib/networkx/readwrite/tests
  copying networkx/readwrite/tests/test_pajek.py ->
build/lib/networkx/readwrite/tests
  creating build/lib/networkx/readwrite/json_graph/tests
  copying networkx/readwrite/json_graph/tests/test_node_link.py ->
build/lib/networkx/readwrite/json_graph/tests
  copying networkx/readwrite/json_graph/tests/test_adjacency.py ->
build/lib/networkx/readwrite/json_graph/tests
  copying networkx/readwrite/json_graph/tests/test_tree.py ->
build/lib/networkx/readwrite/json_graph/tests
  creating build/lib/networkx/testing/tests
  copying networkx/testing/tests/test_utils.py ->
build/lib/networkx/testing/tests
  creating build/lib/networkx/utils/tests
  copying networkx/utils/tests/test_random_sequence.py ->
build/lib/networkx/utils/tests
  copying networkx/utils/tests/test_unionfind.py ->
```

```
build/lib/networkx/utils/tests
  copying networkx/utils/tests/test_misc.py -> build/lib/networkx/utils/tests
  copying networkx/utils/tests/test_heaps.py -> build/lib/networkx/utils/tests
  copying networkx/utils/tests/test_decorators.py ->
build/lib/networkx/utils/tests
  copying networkx/utils/tests/test_rcm.py -> build/lib/networkx/utils/tests
  copying networkx/utils/tests/test_contextmanager.py ->
build/lib/networkx/utils/tests
  /usr/local/cloudstor/python/pre/setuptools/command/install.py:34:
SetuptoolsDeprecationWarning: setup.py install is deprecated. Use build and pip
and other standards-based tools.
    warnings.warn(
  installing to build/bdist.linux-x86_64/wheel
  running install
  running install_lib
  creating build/bdist.linux-x86_64
  creating build/bdist.linux-x86_64/wheel
  creating build/bdist.linux-x86_64/wheel/networkx
  copying build/lib/networkx/version.py ->
build/bdist.linux-x86_64/wheel/networkx
  copying build/lib/networkx/exception.py ->
build/bdist.linux-x86_64/wheel/networkx
  creating build/bdist.linux-x86_64/wheel/networkx/external
  copying build/lib/networkx/external/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/external
  creating build/bdist.linux-x86_64/wheel/networkx/drawing
  copying build/lib/networkx/drawing/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/drawing
  copying build/lib/networkx/drawing/nx_agraph.py ->
build/bdist.linux-x86_64/wheel/networkx/drawing
  copying build/lib/networkx/drawing/nx_pylab.py ->
build/bdist.linux-x86_64/wheel/networkx/drawing
  copying build/lib/networkx/drawing/nx_pydot.py ->
build/bdist.linux-x86_64/wheel/networkx/drawing
  copying build/lib/networkx/drawing/layout.py ->
build/bdist.linux-x86_64/wheel/networkx/drawing
  creating build/bdist.linux-x86_64/wheel/networkx/drawing/tests
  copying build/lib/networkx/drawing/tests/test_layout.py ->
build/bdist.linux-x86_64/wheel/networkx/drawing/tests
  copying build/lib/networkx/drawing/tests/test_agraph.py ->
build/bdist.linux-x86_64/wheel/networkx/drawing/tests
  copying build/lib/networkx/drawing/tests/test_pylab.py ->
build/bdist.linux-x86_64/wheel/networkx/drawing/tests
  copying build/lib/networkx/drawing/tests/test_pydot.py ->
build/bdist.linux-x86_64/wheel/networkx/drawing/tests
  copying build/lib/networkx/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx
  creating build/bdist.linux-x86_64/wheel/networkx/readwrite
```

```
  copying build/lib/networkx/readwrite/p2g.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/multiline_adjlist.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/leda.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/graphml.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/pajek.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/gexf.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/gpickle.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/adjlist.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/sparse6.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/nx_yaml.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/nx_shp.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  copying build/lib/networkx/readwrite/graph6.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  creating build/bdist.linux-x86_64/wheel/networkx/readwrite/json_graph
  copying build/lib/networkx/readwrite/json_graph/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/json_graph
  copying build/lib/networkx/readwrite/json_graph/tree.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/json_graph
  copying build/lib/networkx/readwrite/json_graph/adjacency.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/json_graph
  copying build/lib/networkx/readwrite/json_graph/node_link.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/json_graph
  creating build/bdist.linux-x86_64/wheel/networkx/readwrite/json_graph/tests
  copying build/lib/networkx/readwrite/json_graph/tests/test_node_link.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/json_graph/tests
  copying build/lib/networkx/readwrite/json_graph/tests/test_adjacency.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/json_graph/tests
  copying build/lib/networkx/readwrite/json_graph/tests/test_tree.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/json_graph/tests
  copying build/lib/networkx/readwrite/edgelist.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  creating build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_edgelist.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_sparse6.py ->
```

```
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_yaml.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_gpickle.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_shp.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_adjlist.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_graphml.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_graph6.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_gml.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_p2g.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_gexf.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_leda.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/tests/test_pajek.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite/tests
  copying build/lib/networkx/readwrite/gml.py ->
build/bdist.linux-x86_64/wheel/networkx/readwrite
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/swap.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/hybrid.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/isolate.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/coloring
  copying build/lib/networkx/algorithms/coloring/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/coloring
  copying build/lib/networkx/algorithms/coloring/greedy_coloring.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/coloring
  copying
build/lib/networkx/algorithms/coloring/greedy_coloring_with_interchange.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/coloring
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/coloring/tests
  copying build/lib/networkx/algorithms/coloring/tests/test_coloring.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/coloring/tests
  copying build/lib/networkx/algorithms/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/cycles.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/link_prediction.py ->
```

```
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/mis.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/tree
  copying build/lib/networkx/algorithms/tree/branchings.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tree
  copying build/lib/networkx/algorithms/tree/recognition.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tree
  copying build/lib/networkx/algorithms/tree/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tree
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/tree/tests
  copying build/lib/networkx/algorithms/tree/tests/test_branchings.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tree/tests
  copying build/lib/networkx/algorithms/tree/tests/test_recognition.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tree/tests
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism
  copying build/lib/networkx/algorithms/isomorphism/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism
  copying build/lib/networkx/algorithms/isomorphism/isomorphvf2.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism
  copying build/lib/networkx/algorithms/isomorphism/vf2userfunc.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism
  copying build/lib/networkx/algorithms/isomorphism/matchhelpers.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism
  copying build/lib/networkx/algorithms/isomorphism/isomorph.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism/tests
  copying build/lib/networkx/algorithms/isomorphism/tests/iso_r01_s80.A99 ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism/tests
  copying build/lib/networkx/algorithms/isomorphism/tests/si2_b06_m200.B99 ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism/tests
  copying build/lib/networkx/algorithms/isomorphism/tests/si2_b06_m200.A99 ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism/tests
  copying build/lib/networkx/algorithms/isomorphism/tests/test_vf2userfunc.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism/tests
  copying build/lib/networkx/algorithms/isomorphism/tests/iso_r01_s80.B99 ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism/tests
  copying build/lib/networkx/algorithms/isomorphism/tests/test_isomorphvf2.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism/tests
  copying build/lib/networkx/algorithms/isomorphism/tests/test_isomorphism.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/isomorphism/tests
  copying build/lib/networkx/algorithms/dag.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/distance_measures.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/flow
  copying build/lib/networkx/algorithms/flow/networksimplex.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow
```

```
  copying build/lib/networkx/algorithms/flow/edmondskarp.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow
  copying build/lib/networkx/algorithms/flow/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow
  copying build/lib/networkx/algorithms/flow/shortestaugmentingpath.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow
  copying build/lib/networkx/algorithms/flow/maxflow.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow
  copying build/lib/networkx/algorithms/flow/capacityscaling.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow
  copying build/lib/networkx/algorithms/flow/mincost.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow
  copying build/lib/networkx/algorithms/flow/utils.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow
  copying build/lib/networkx/algorithms/flow/preflowpush.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/flow/tests
  copying build/lib/networkx/algorithms/flow/tests/gw1.gpickle.bz2 ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow/tests
  copying build/lib/networkx/algorithms/flow/tests/test_maxflow_large_graph.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/flow/tests
  copying build/lib/networkx/algorithms/flow/tests/gl1.gpickle.bz2 ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow/tests
  copying build/lib/networkx/algorithms/flow/tests/test_mincost.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow/tests
  copying build/lib/networkx/algorithms/flow/tests/wlm3.gpickle.bz2 ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow/tests
  copying build/lib/networkx/algorithms/flow/tests/test_maxflow.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow/tests
  copying build/lib/networkx/algorithms/flow/tests/netgen-2.gpickle.bz2 ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/flow/tests
  copying build/lib/networkx/algorithms/dominating.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths
  copying build/lib/networkx/algorithms/shortest_paths/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths
  copying build/lib/networkx/algorithms/shortest_paths/unweighted.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths
  copying build/lib/networkx/algorithms/shortest_paths/weighted.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths
  copying build/lib/networkx/algorithms/shortest_paths/generic.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths
  copying build/lib/networkx/algorithms/shortest_paths/astar.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths
  creating
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths/tests
  copying build/lib/networkx/algorithms/shortest_paths/tests/test_astar.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths/tests
```

```
  copying build/lib/networkx/algorithms/shortest_paths/tests/test_generic.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths/tests
  copying build/lib/networkx/algorithms/shortest_paths/tests/test_unweighted.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths/tests
  copying build/lib/networkx/algorithms/shortest_paths/tests/test_weighted.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths/tests
  copying build/lib/networkx/algorithms/shortest_paths/tests/test_dense_numpy.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths/tests
  copying build/lib/networkx/algorithms/shortest_paths/tests/test_dense.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths/tests
  copying build/lib/networkx/algorithms/shortest_paths/dense.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/shortest_paths
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  copying build/lib/networkx/algorithms/approximation/kcomponents.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  copying build/lib/networkx/algorithms/approximation/independent_set.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  copying build/lib/networkx/algorithms/approximation/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  copying build/lib/networkx/algorithms/approximation/ramsey.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  copying build/lib/networkx/algorithms/approximation/vertex_cover.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  copying build/lib/networkx/algorithms/approximation/clique.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  copying build/lib/networkx/algorithms/approximation/clustering_coefficient.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  copying build/lib/networkx/algorithms/approximation/connectivity.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  copying build/lib/networkx/algorithms/approximation/dominating_set.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  copying build/lib/networkx/algorithms/approximation/matching.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation
  creating
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation/tests
  copying
build/lib/networkx/algorithms/approximation/tests/test_approx_clust_coeff.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation/tests
  copying
build/lib/networkx/algorithms/approximation/tests/test_dominating_set.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation/tests
  copying build/lib/networkx/algorithms/approximation/tests/test_connectivity.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation/tests
  copying build/lib/networkx/algorithms/approximation/tests/test_clique.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation/tests
  copying
build/lib/networkx/algorithms/approximation/tests/test_independent_set.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation/tests
```

```
  copying build/lib/networkx/algorithms/approximation/tests/test_vertex_cover.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation/tests
  copying build/lib/networkx/algorithms/approximation/tests/test_ramsey.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation/tests
  copying build/lib/networkx/algorithms/approximation/tests/test_kcomponents.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation/tests
  copying build/lib/networkx/algorithms/approximation/tests/test_matching.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/approximation/tests
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/link_analysis
  copying build/lib/networkx/algorithms/link_analysis/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/link_analysis
  copying build/lib/networkx/algorithms/link_analysis/hits_alg.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/link_analysis
  copying build/lib/networkx/algorithms/link_analysis/pagerank_alg.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/link_analysis
  creating
build/bdist.linux-x86_64/wheel/networkx/algorithms/link_analysis/tests
  copying build/lib/networkx/algorithms/link_analysis/tests/test_hits.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/link_analysis/tests
  copying build/lib/networkx/algorithms/link_analysis/tests/test_pagerank.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/link_analysis/tests
  copying build/lib/networkx/algorithms/clique.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/minors.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity
  copying build/lib/networkx/algorithms/assortativity/correlation.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity
  copying build/lib/networkx/algorithms/assortativity/neighbor_degree.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity
  copying build/lib/networkx/algorithms/assortativity/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity
  copying build/lib/networkx/algorithms/assortativity/connectivity.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity
  copying build/lib/networkx/algorithms/assortativity/pairs.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity
  copying build/lib/networkx/algorithms/assortativity/mixing.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity
  creating
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity/tests
  copying build/lib/networkx/algorithms/assortativity/tests/test_pairs.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity/tests
  copying build/lib/networkx/algorithms/assortativity/tests/test_connectivity.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity/tests
  copying build/lib/networkx/algorithms/assortativity/tests/test_correlation.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity/tests
  copying
build/lib/networkx/algorithms/assortativity/tests/test_neighbor_degree.py ->
```

```
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity/tests
  copying build/lib/networkx/algorithms/assortativity/tests/base_test.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity/tests
  copying build/lib/networkx/algorithms/assortativity/tests/test_mixing.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/assortativity/tests
  copying build/lib/networkx/algorithms/boundary.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/mst.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/dominance.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/traversal
  copying build/lib/networkx/algorithms/traversal/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/traversal
  copying build/lib/networkx/algorithms/traversal/breadth_first_search.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/traversal
  copying build/lib/networkx/algorithms/traversal/depth_first_search.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/traversal
  copying build/lib/networkx/algorithms/traversal/edgedfs.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/traversal
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/traversal/tests
  copying build/lib/networkx/algorithms/traversal/tests/test_bfs.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/traversal/tests
  copying build/lib/networkx/algorithms/traversal/tests/test_dfs.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/traversal/tests
  copying build/lib/networkx/algorithms/traversal/tests/test_edgedfs.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/traversal/tests
  copying build/lib/networkx/algorithms/vitality.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/block.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/components
  copying build/lib/networkx/algorithms/components/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components
  copying build/lib/networkx/algorithms/components/strongly_connected.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components
  copying build/lib/networkx/algorithms/components/biconnected.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components
  copying build/lib/networkx/algorithms/components/connected.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components
  copying build/lib/networkx/algorithms/components/weakly_connected.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components
  copying build/lib/networkx/algorithms/components/semiconnected.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components
  copying build/lib/networkx/algorithms/components/attracting.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/components/tests
  copying build/lib/networkx/algorithms/components/tests/test_connected.py ->
```

```
build/bdist.linux-x86_64/wheel/networkx/algorithms/components/tests
  copying build/lib/networkx/algorithms/components/tests/test_attracting.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components/tests
  copying build/lib/networkx/algorithms/components/tests/test_semiconnected.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/components/tests
  copying
build/lib/networkx/algorithms/components/tests/test_strongly_connected.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components/tests
  copying
build/lib/networkx/algorithms/components/tests/test_weakly_connected.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components/tests
  copying build/lib/networkx/algorithms/components/tests/test_subgraph_copies.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/components/tests
  copying build/lib/networkx/algorithms/components/tests/test_biconnected.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/components/tests
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/chordal
  copying build/lib/networkx/algorithms/chordal/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/chordal
  copying build/lib/networkx/algorithms/chordal/chordal_alg.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/chordal
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/chordal/tests
  copying build/lib/networkx/algorithms/chordal/tests/test_chordal.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/chordal/tests
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/operators
  copying build/lib/networkx/algorithms/operators/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/operators
  copying build/lib/networkx/algorithms/operators/all.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/operators
  copying build/lib/networkx/algorithms/operators/unary.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/operators
  copying build/lib/networkx/algorithms/operators/product.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/operators
  copying build/lib/networkx/algorithms/operators/binary.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/operators
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/operators/tests
  copying build/lib/networkx/algorithms/operators/tests/test_binary.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/operators/tests
  copying build/lib/networkx/algorithms/operators/tests/test_product.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/operators/tests
  copying build/lib/networkx/algorithms/operators/tests/test_all.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/operators/tests
  copying build/lib/networkx/algorithms/operators/tests/test_unary.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/operators/tests
  copying build/lib/networkx/algorithms/richclub.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/distance_regular.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/core.py ->
```

```
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/graphical.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity
  copying build/lib/networkx/algorithms/connectivity/kcomponents.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity
  copying build/lib/networkx/algorithms/connectivity/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity
  copying build/lib/networkx/algorithms/connectivity/cuts.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity
  copying build/lib/networkx/algorithms/connectivity/stoerwagner.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity
  copying build/lib/networkx/algorithms/connectivity/kcutsets.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity
  copying build/lib/networkx/algorithms/connectivity/connectivity.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity
  copying build/lib/networkx/algorithms/connectivity/utils.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity/tests
  copying build/lib/networkx/algorithms/connectivity/tests/test_connectivity.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity/tests
  copying build/lib/networkx/algorithms/connectivity/tests/test_kcutsets.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity/tests
  copying build/lib/networkx/algorithms/connectivity/tests/test_stoer_wagner.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity/tests
  copying build/lib/networkx/algorithms/connectivity/tests/test_cuts.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity/tests
  copying build/lib/networkx/algorithms/connectivity/tests/test_kcomponents.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/connectivity/tests
  copying build/lib/networkx/algorithms/hierarchy.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  copying build/lib/networkx/algorithms/bipartite/generators.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  copying build/lib/networkx/algorithms/bipartite/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  copying build/lib/networkx/algorithms/bipartite/matrix.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  copying build/lib/networkx/algorithms/bipartite/spectral.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  copying build/lib/networkx/algorithms/bipartite/redundancy.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  copying build/lib/networkx/algorithms/bipartite/centrality.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  copying build/lib/networkx/algorithms/bipartite/basic.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  copying build/lib/networkx/algorithms/bipartite/projection.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
```

```
copying build/lib/networkx/algorithms/bipartite/matching.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  copying build/lib/networkx/algorithms/bipartite/edgelist.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying build/lib/networkx/algorithms/bipartite/tests/test_edgelist.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying build/lib/networkx/algorithms/bipartite/tests/test_generators.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying build/lib/networkx/algorithms/bipartite/tests/test_centrality.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying build/lib/networkx/algorithms/bipartite/tests/test_basic.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying build/lib/networkx/algorithms/bipartite/tests/test_matrix.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying build/lib/networkx/algorithms/bipartite/tests/test_cluster.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying build/lib/networkx/algorithms/bipartite/tests/test_redundancy.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying
build/lib/networkx/algorithms/bipartite/tests/test_spectral_bipartivity.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying build/lib/networkx/algorithms/bipartite/tests/test_project.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying build/lib/networkx/algorithms/bipartite/tests/test_matching.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite/tests
  copying build/lib/networkx/algorithms/bipartite/cluster.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/bipartite
  copying build/lib/networkx/algorithms/smetric.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/community
  copying build/lib/networkx/algorithms/community/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/community
  copying build/lib/networkx/algorithms/community/kclique.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/community
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/community/tests
  copying build/lib/networkx/algorithms/community/tests/test_kclique.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/community/tests
  copying build/lib/networkx/algorithms/matching.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/triads.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/simple_paths.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  copying build/lib/networkx/algorithms/euler.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_dominating.py ->
```

```
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_distance_regular.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_mis.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_block.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_euler.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_distance_measures.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_mst.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_clique.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_dominance.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_richclub.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_smetric.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_vitality.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_minors.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_swap.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_cluster.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_link_prediction.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_triads.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_boundary.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_hierarchy.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_dag.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_simple_paths.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_cycles.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_graphical.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_matching.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_core.py ->
```

```
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/tests/test_hybrid.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/tests
  copying build/lib/networkx/algorithms/cluster.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/flow_matrix.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/eigenvector.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/current_flow_betweenness.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/betweenness.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/katz.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/load.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/degree_alg.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/current_flow_closeness.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/betweenness_subset.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/closeness.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/harmonic.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying build/lib/networkx/algorithms/centrality/communicability_alg.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  copying
build/lib/networkx/algorithms/centrality/current_flow_betweenness_subset.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  creating build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying build/lib/networkx/algorithms/centrality/tests/test_load_centrality.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying
build/lib/networkx/algorithms/centrality/tests/test_degree_centrality.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying
build/lib/networkx/algorithms/centrality/tests/test_betweenness_centrality.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying build/lib/networkx/algorithms/centrality/tests/test_current_flow_betwe
enness_centrality_subset.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying build/lib/networkx/algorithms/centrality/tests/test_betweenness_centra
```

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lity_subset.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying build/lib/networkx/algorithms/centrality/tests/test_katz_centrality.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying
build/lib/networkx/algorithms/centrality/tests/test_eigenvector_centrality.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying build/lib/networkx/algorithms/centrality/tests/test_dispersion.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying
build/lib/networkx/algorithms/centrality/tests/test_current_flow_closeness.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying
build/lib/networkx/algorithms/centrality/tests/test_closeness_centrality.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying build/lib/networkx/algorithms/centrality/tests/test_communicability.py
-> build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying
build/lib/networkx/algorithms/centrality/tests/test_harmonic_centrality.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying build/lib/networkx/algorithms/centrality/tests/test_current_flow_betwe
enness_centrality.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality/tests
  copying build/lib/networkx/algorithms/centrality/dispersion.py ->
build/bdist.linux-x86_64/wheel/networkx/algorithms/centrality
  creating build/bdist.linux-x86_64/wheel/networkx/utils
  copying build/lib/networkx/utils/heaps.py ->
build/bdist.linux-x86_64/wheel/networkx/utils
  copying build/lib/networkx/utils/random_sequence.py ->
build/bdist.linux-x86_64/wheel/networkx/utils
  copying build/lib/networkx/utils/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/utils
  copying build/lib/networkx/utils/misc.py ->
build/bdist.linux-x86_64/wheel/networkx/utils
  copying build/lib/networkx/utils/decorators.py ->
build/bdist.linux-x86_64/wheel/networkx/utils
  copying build/lib/networkx/utils/contextmanagers.py ->
build/bdist.linux-x86_64/wheel/networkx/utils
  copying build/lib/networkx/utils/rcm.py ->
build/bdist.linux-x86_64/wheel/networkx/utils
  copying build/lib/networkx/utils/union_find.py ->
build/bdist.linux-x86_64/wheel/networkx/utils
  creating build/bdist.linux-x86_64/wheel/networkx/utils/tests
  copying build/lib/networkx/utils/tests/test_random_sequence.py ->
build/bdist.linux-x86_64/wheel/networkx/utils/tests
  copying build/lib/networkx/utils/tests/test_unionfind.py ->
build/bdist.linux-x86_64/wheel/networkx/utils/tests
  copying build/lib/networkx/utils/tests/test_misc.py ->
```

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build/bdist.linux-x86_64/wheel/networkx/utils/tests
  copying build/lib/networkx/utils/tests/test_heaps.py ->
build/bdist.linux-x86_64/wheel/networkx/utils/tests
  copying build/lib/networkx/utils/tests/test_decorators.py ->
build/bdist.linux-x86_64/wheel/networkx/utils/tests
  copying build/lib/networkx/utils/tests/test_rcm.py ->
build/bdist.linux-x86_64/wheel/networkx/utils/tests
  copying build/lib/networkx/utils/tests/test_contextmanager.py ->
build/bdist.linux-x86_64/wheel/networkx/utils/tests
  creating build/bdist.linux-x86_64/wheel/networkx/testing
  copying build/lib/networkx/testing/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/testing
  copying build/lib/networkx/testing/utils.py ->
build/bdist.linux-x86_64/wheel/networkx/testing
  creating build/bdist.linux-x86_64/wheel/networkx/testing/tests
  copying build/lib/networkx/testing/tests/test_utils.py ->
build/bdist.linux-x86_64/wheel/networkx/testing/tests
  creating build/bdist.linux-x86_64/wheel/networkx/classes
  copying build/lib/networkx/classes/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/classes
  copying build/lib/networkx/classes/function.py ->
build/bdist.linux-x86_64/wheel/networkx/classes
  copying build/lib/networkx/classes/multidigraph.py ->
build/bdist.linux-x86_64/wheel/networkx/classes
  copying build/lib/networkx/classes/digraph.py ->
build/bdist.linux-x86_64/wheel/networkx/classes
  copying build/lib/networkx/classes/ordered.py ->
build/bdist.linux-x86_64/wheel/networkx/classes
  copying build/lib/networkx/classes/multigraph.py ->
build/bdist.linux-x86_64/wheel/networkx/classes
  copying build/lib/networkx/classes/graph.py ->
build/bdist.linux-x86_64/wheel/networkx/classes
  creating build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/test_graph_historical.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/test_multidigraph.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/test_digraph.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/test_digraph_historical.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/historical_tests.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/test_multigraph.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/test_timing.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/test_special.py ->
```

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build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/test_function.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/test_ordered.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/timingclasses.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/classes/tests/test_graph.py ->
build/bdist.linux-x86_64/wheel/networkx/classes/tests
  copying build/lib/networkx/convert_matrix.py ->
build/bdist.linux-x86_64/wheel/networkx
  creating build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/directed.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/intersection.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/classic.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/social.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/community.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/expanders.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/atlas.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/small.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/degree_seq.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/random_graphs.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/geometric.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/random_clustered.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/line.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/stochastic.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/ego.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/generators/threshold.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  creating build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_random_clustered.py ->
```

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build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_random_graphs.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_ego.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_atlas.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_degree_seq.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_directed.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_stochastic.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_geometric.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_threshold.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_nonisomorphic_trees.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_intersection.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_line.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_small.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_community.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_expanders.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/tests/test_classic.py ->
build/bdist.linux-x86_64/wheel/networkx/generators/tests
  copying build/lib/networkx/generators/nonisomorphic_trees.py ->
build/bdist.linux-x86_64/wheel/networkx/generators
  copying build/lib/networkx/relabel.py ->
build/bdist.linux-x86_64/wheel/networkx
  copying build/lib/networkx/convert.py ->
build/bdist.linux-x86_64/wheel/networkx
  copying build/lib/networkx/release.py ->
build/bdist.linux-x86_64/wheel/networkx
  creating build/bdist.linux-x86_64/wheel/networkx/linalg
  copying build/lib/networkx/linalg/attrmatrix.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg
  copying build/lib/networkx/linalg/laplacianmatrix.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg
  copying build/lib/networkx/linalg/algebraicconnectivity.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg
  copying build/lib/networkx/linalg/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg
```

```
  copying build/lib/networkx/linalg/graphmatrix.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg
  copying build/lib/networkx/linalg/modularitymatrix.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg
  copying build/lib/networkx/linalg/spectrum.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg
  creating build/bdist.linux-x86_64/wheel/networkx/linalg/tests
  copying build/lib/networkx/linalg/tests/test_spectrum.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg/tests
  copying build/lib/networkx/linalg/tests/test_laplacian.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg/tests
  copying build/lib/networkx/linalg/tests/test_graphmatrix.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg/tests
  copying build/lib/networkx/linalg/tests/test_modularity.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg/tests
  copying build/lib/networkx/linalg/tests/test_algebraic_connectivity.py ->
build/bdist.linux-x86_64/wheel/networkx/linalg/tests
  creating build/bdist.linux-x86_64/wheel/networkx/tests
  copying build/lib/networkx/tests/test.py ->
build/bdist.linux-x86_64/wheel/networkx/tests
  copying build/lib/networkx/tests/test_convert_scipy.py ->
build/bdist.linux-x86_64/wheel/networkx/tests
  copying build/lib/networkx/tests/__init__.py ->
build/bdist.linux-x86_64/wheel/networkx/tests
  copying build/lib/networkx/tests/test_convert.py ->
build/bdist.linux-x86_64/wheel/networkx/tests
  copying build/lib/networkx/tests/test_exceptions.py ->
build/bdist.linux-x86_64/wheel/networkx/tests
  copying build/lib/networkx/tests/test_convert_numpy.py ->
build/bdist.linux-x86_64/wheel/networkx/tests
  copying build/lib/networkx/tests/test_relabel.py ->
build/bdist.linux-x86_64/wheel/networkx/tests
  copying build/lib/networkx/tests/test_convert_pandas.py ->
build/bdist.linux-x86_64/wheel/networkx/tests
  copying build/lib/networkx/tests/benchmark.py ->
build/bdist.linux-x86_64/wheel/networkx/tests
  running install_data
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc
  creating
build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/networkx-1.10
  copying INSTALL.txt ->
build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/networkx-1.10
  copying LICENSE.txt ->
build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/networkx-1.10
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/netw
```

orkx-1.10/examples
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/netw
orkx-1.10/examples/advanced
  copying examples/advanced/iterated_dynamical_systems.py -> build/bdist.linux-x
86_64/wheel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/advanced
  copying examples/advanced/parallel_betweenness.py -> build/bdist.linux-x86_64/
wheel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/advanced
  copying examples/advanced/heavy_metal_umlaut.py -> build/bdist.linux-x86_64/wh
eel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/advanced
  copying examples/advanced/eigenvalues.py -> build/bdist.linux-x86_64/wheel/net
workx-1.10.data/data/share/doc/networkx-1.10/examples/advanced
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/netw
orkx-1.10/examples/algorithms
  copying examples/algorithms/krackhardt_centrality.py -> build/bdist.linux-x86_
64/wheel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/algorithms
  copying examples/algorithms/blockmodel.py -> build/bdist.linux-x86_64/wheel/ne
tworkx-1.10.data/data/share/doc/networkx-1.10/examples/algorithms
  copying examples/algorithms/rcm.py -> build/bdist.linux-x86_64/wheel/networkx-
1.10.data/data/share/doc/networkx-1.10/examples/algorithms
  copying examples/algorithms/davis_club.py -> build/bdist.linux-x86_64/wheel/ne
tworkx-1.10.data/data/share/doc/networkx-1.10/examples/algorithms
  copying examples/algorithms/hartford_drug.edgelist -> build/bdist.linux-x86_64
/wheel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/algorithms
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/netw
orkx-1.10/examples/basic
  copying examples/basic/read_write.py -> build/bdist.linux-x86_64/wheel/network
x-1.10.data/data/share/doc/networkx-1.10/examples/basic
  copying examples/basic/properties.py -> build/bdist.linux-x86_64/wheel/network
x-1.10.data/data/share/doc/networkx-1.10/examples/basic
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/netw
orkx-1.10/examples/3d_drawing
  copying examples/3d_drawing/mayavi2_spring.py -> build/bdist.linux-x86_64/whee
l/networkx-1.10.data/data/share/doc/networkx-1.10/examples/3d_drawing
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/netw
orkx-1.10/examples/drawing
  copying examples/drawing/unix_email.py -> build/bdist.linux-x86_64/wheel/netwo
rkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/node_colormap.py -> build/bdist.linux-x86_64/wheel/ne
tworkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/weighted_graph.py -> build/bdist.linux-x86_64/wheel/n
etworkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/simple_path.py -> build/bdist.linux-x86_64/wheel/netw
orkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/four_grids.py -> build/bdist.linux-x86_64/wheel/netwo
rkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/sampson.py -> build/bdist.linux-x86_64/wheel/networkx
-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/atlas.py -> build/bdist.linux-x86_64/wheel/networkx-1

```
.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/edge_colormap.py -> build/bdist.linux-x86_64/wheel/ne
tworkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/lanl_routes.py -> build/bdist.linux-x86_64/wheel/netw
orkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/circular_tree.py -> build/bdist.linux-x86_64/wheel/ne
tworkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/labels_and_colors.py -> build/bdist.linux-x86_64/whee
l/networkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/giant_component.py -> build/bdist.linux-x86_64/wheel/
networkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/random_geometric_graph.py -> build/bdist.linux-x86_64
/wheel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/chess_masters.py -> build/bdist.linux-x86_64/wheel/ne
tworkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/house_with_colors.py -> build/bdist.linux-x86_64/whee
l/networkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/ego_graph.py -> build/bdist.linux-x86_64/wheel/networ
kx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/degree_histogram.py -> build/bdist.linux-x86_64/wheel
/networkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/knuth_miles.py -> build/bdist.linux-x86_64/wheel/netw
orkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/chess_masters_WCC.pgn.bz2 -> build/bdist.linux-x86_64
/wheel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/knuth_miles.txt.gz -> build/bdist.linux-x86_64/wheel/
networkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/unix_email.mbox -> build/bdist.linux-x86_64/wheel/net
workx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  copying examples/drawing/lanl_routes.edgelist -> build/bdist.linux-x86_64/whee
l/networkx-1.10.data/data/share/doc/networkx-1.10/examples/drawing
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/netw
orkx-1.10/examples/graph
  copying examples/graph/unix_email.py -> build/bdist.linux-x86_64/wheel/network
x-1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/words.py -> build/bdist.linux-x86_64/wheel/networkx-1.1
0.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/atlas2.py -> build/bdist.linux-x86_64/wheel/networkx-1.
10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/expected_degree_sequence.py -> build/bdist.linux-x86_64
/wheel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/karate_club.py -> build/bdist.linux-x86_64/wheel/networ
kx-1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/erdos_renyi.py -> build/bdist.linux-x86_64/wheel/networ
kx-1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/roget.py -> build/bdist.linux-x86_64/wheel/networkx-1.1
0.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/atlas.py -> build/bdist.linux-x86_64/wheel/networkx-1.1
```

```
0.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/degree_sequence.py -> build/bdist.linux-x86_64/wheel/ne
tworkx-1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/napoleon_russian_campaign.py -> build/bdist.linux-x86_6
4/wheel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/football.py -> build/bdist.linux-x86_64/wheel/networkx-
1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/knuth_miles.py -> build/bdist.linux-x86_64/wheel/networ
kx-1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/knuth_miles.txt.gz -> build/bdist.linux-x86_64/wheel/ne
tworkx-1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/words_dat.txt.gz -> build/bdist.linux-x86_64/wheel/netw
orkx-1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/roget_dat.txt.gz -> build/bdist.linux-x86_64/wheel/netw
orkx-1.10.data/data/share/doc/networkx-1.10/examples/graph
  copying examples/graph/unix_email.mbox -> build/bdist.linux-x86_64/wheel/netwo
rkx-1.10.data/data/share/doc/networkx-1.10/examples/graph
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/netw
orkx-1.10/examples/multigraph
  copying examples/multigraph/chess_masters.py -> build/bdist.linux-x86_64/wheel
/networkx-1.10.data/data/share/doc/networkx-1.10/examples/multigraph
  copying examples/multigraph/chess_masters_WCC.pgn.bz2 -> build/bdist.linux-x86
_64/wheel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/multigraph
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/netw
orkx-1.10/examples/pygraphviz
  copying examples/pygraphviz/write_dotfile.py -> build/bdist.linux-x86_64/wheel
/networkx-1.10.data/data/share/doc/networkx-1.10/examples/pygraphviz
  copying examples/pygraphviz/pygraphviz_draw.py -> build/bdist.linux-x86_64/whe
el/networkx-1.10.data/data/share/doc/networkx-1.10/examples/pygraphviz
  copying examples/pygraphviz/pygraphviz_attributes.py -> build/bdist.linux-x86_
64/wheel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/pygraphviz
  copying examples/pygraphviz/pygraphviz_simple.py -> build/bdist.linux-x86_64/w
heel/networkx-1.10.data/data/share/doc/networkx-1.10/examples/pygraphviz
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.data/data/share/doc/netw
orkx-1.10/examples/readwrite
  running install_egg_info
  running egg_info
  writing networkx.egg-info/PKG-INFO
  writing dependency_links to networkx.egg-info/dependency_links.txt
  writing requirements to networkx.egg-info/requires.txt
  writing top-level names to networkx.egg-info/top_level.txt
  listing git files failed - pretending there aren't any
  reading manifest file 'networkx.egg-info/SOURCES.txt'
  reading manifest template 'MANIFEST.in'
  warning: no files found matching 'scripts/*'
  warning: no files found matching 'networkx/tests/*.txt'
  warning: no files found matching 'networkx/*/*/tests/*.txt'
  warning: no previously-included files matching '*~' found anywhere in
```

```
distribution
  warning: no previously-included files matching '*.pyc' found anywhere in
distribution
  warning: no previously-included files matching '.svn' found anywhere in
distribution
  no previously-included directories found matching 'doc/build'
  no previously-included directories found matching
'doc/source/reference/generated'
  no previously-included directories found matching 'doc/source/examples'
  no previously-included directories found matching 'doc/source/static/examples'
  no previously-included directories found matching
'doc/source/templates/gallery.html'
  adding license file 'LICENSE.txt'
  writing manifest file 'networkx.egg-info/SOURCES.txt'
  Copying networkx.egg-info to
build/bdist.linux-x86_64/wheel/networkx-1.10-py3.9.egg-info
  running install_scripts
  adding license file "LICENSE.txt" (matched pattern "LICEN[CS]E*")
  creating build/bdist.linux-x86_64/wheel/networkx-1.10.dist-info/WHEEL
  creating '/tmp/pip-wheel-_brc872f/networkx-1.10-py2.py3-none-any.whl' and
adding 'build/bdist.linux-x86_64/wheel' to it
  adding 'networkx/__init__.py'
  adding 'networkx/convert.py'
  adding 'networkx/convert_matrix.py'
  adding 'networkx/exception.py'
  adding 'networkx/relabel.py'
  adding 'networkx/release.py'
  adding 'networkx/version.py'
  adding 'networkx/algorithms/__init__.py'
  adding 'networkx/algorithms/block.py'
  adding 'networkx/algorithms/boundary.py'
  adding 'networkx/algorithms/clique.py'
  adding 'networkx/algorithms/cluster.py'
  adding 'networkx/algorithms/core.py'
  adding 'networkx/algorithms/cycles.py'
  adding 'networkx/algorithms/dag.py'
  adding 'networkx/algorithms/distance_measures.py'
  adding 'networkx/algorithms/distance_regular.py'
  adding 'networkx/algorithms/dominance.py'
  adding 'networkx/algorithms/dominating.py'
  adding 'networkx/algorithms/euler.py'
  adding 'networkx/algorithms/graphical.py'
  adding 'networkx/algorithms/hierarchy.py'
  adding 'networkx/algorithms/hybrid.py'
  adding 'networkx/algorithms/isolate.py'
  adding 'networkx/algorithms/link_prediction.py'
  adding 'networkx/algorithms/matching.py'
  adding 'networkx/algorithms/minors.py'
```

```
adding 'networkx/algorithms/mis.py'
adding 'networkx/algorithms/mst.py'
adding 'networkx/algorithms/richclub.py'
adding 'networkx/algorithms/simple_paths.py'
adding 'networkx/algorithms/smetric.py'
adding 'networkx/algorithms/swap.py'
adding 'networkx/algorithms/triads.py'
adding 'networkx/algorithms/vitality.py'
adding 'networkx/algorithms/approximation/__init__.py'
adding 'networkx/algorithms/approximation/clique.py'
adding 'networkx/algorithms/approximation/clustering_coefficient.py'
adding 'networkx/algorithms/approximation/connectivity.py'
adding 'networkx/algorithms/approximation/dominating_set.py'
adding 'networkx/algorithms/approximation/independent_set.py'
adding 'networkx/algorithms/approximation/kcomponents.py'
adding 'networkx/algorithms/approximation/matching.py'
adding 'networkx/algorithms/approximation/ramsey.py'
adding 'networkx/algorithms/approximation/vertex_cover.py'
adding 'networkx/algorithms/approximation/tests/test_approx_clust_coeff.py'
adding 'networkx/algorithms/approximation/tests/test_clique.py'
adding 'networkx/algorithms/approximation/tests/test_connectivity.py'
adding 'networkx/algorithms/approximation/tests/test_dominating_set.py'
adding 'networkx/algorithms/approximation/tests/test_independent_set.py'
adding 'networkx/algorithms/approximation/tests/test_kcomponents.py'
adding 'networkx/algorithms/approximation/tests/test_matching.py'
adding 'networkx/algorithms/approximation/tests/test_ramsey.py'
adding 'networkx/algorithms/approximation/tests/test_vertex_cover.py'
adding 'networkx/algorithms/assortativity/__init__.py'
adding 'networkx/algorithms/assortativity/connectivity.py'
adding 'networkx/algorithms/assortativity/correlation.py'
adding 'networkx/algorithms/assortativity/mixing.py'
adding 'networkx/algorithms/assortativity/neighbor_degree.py'
adding 'networkx/algorithms/assortativity/pairs.py'
adding 'networkx/algorithms/assortativity/tests/base_test.py'
adding 'networkx/algorithms/assortativity/tests/test_connectivity.py'
adding 'networkx/algorithms/assortativity/tests/test_correlation.py'
adding 'networkx/algorithms/assortativity/tests/test_mixing.py'
adding 'networkx/algorithms/assortativity/tests/test_neighbor_degree.py'
adding 'networkx/algorithms/assortativity/tests/test_pairs.py'
adding 'networkx/algorithms/bipartite/__init__.py'
adding 'networkx/algorithms/bipartite/basic.py'
adding 'networkx/algorithms/bipartite/centrality.py'
adding 'networkx/algorithms/bipartite/cluster.py'
adding 'networkx/algorithms/bipartite/edgelist.py'
adding 'networkx/algorithms/bipartite/generators.py'
adding 'networkx/algorithms/bipartite/matching.py'
adding 'networkx/algorithms/bipartite/matrix.py'
adding 'networkx/algorithms/bipartite/projection.py'
```

```
adding 'networkx/algorithms/bipartite/redundancy.py'
adding 'networkx/algorithms/bipartite/spectral.py'
adding 'networkx/algorithms/bipartite/tests/test_basic.py'
adding 'networkx/algorithms/bipartite/tests/test_centrality.py'
adding 'networkx/algorithms/bipartite/tests/test_cluster.py'
adding 'networkx/algorithms/bipartite/tests/test_edgelist.py'
adding 'networkx/algorithms/bipartite/tests/test_generators.py'
adding 'networkx/algorithms/bipartite/tests/test_matching.py'
adding 'networkx/algorithms/bipartite/tests/test_matrix.py'
adding 'networkx/algorithms/bipartite/tests/test_project.py'
adding 'networkx/algorithms/bipartite/tests/test_redundancy.py'
adding 'networkx/algorithms/bipartite/tests/test_spectral_bipartivity.py'
adding 'networkx/algorithms/centrality/__init__.py'
adding 'networkx/algorithms/centrality/betweenness.py'
adding 'networkx/algorithms/centrality/betweenness_subset.py'
adding 'networkx/algorithms/centrality/closeness.py'
adding 'networkx/algorithms/centrality/communicability_alg.py'
adding 'networkx/algorithms/centrality/current_flow_betweenness.py'
adding 'networkx/algorithms/centrality/current_flow_betweenness_subset.py'
adding 'networkx/algorithms/centrality/current_flow_closeness.py'
adding 'networkx/algorithms/centrality/degree_alg.py'
adding 'networkx/algorithms/centrality/dispersion.py'
adding 'networkx/algorithms/centrality/eigenvector.py'
adding 'networkx/algorithms/centrality/flow_matrix.py'
adding 'networkx/algorithms/centrality/harmonic.py'
adding 'networkx/algorithms/centrality/katz.py'
adding 'networkx/algorithms/centrality/load.py'
adding 'networkx/algorithms/centrality/tests/test_betweenness_centrality.py'
adding
'networkx/algorithms/centrality/tests/test_betweenness_centrality_subset.py'
adding 'networkx/algorithms/centrality/tests/test_closeness_centrality.py'
adding 'networkx/algorithms/centrality/tests/test_communicability.py'
adding 'networkx/algorithms/centrality/tests/test_current_flow_betweenness_cen
trality.py'
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  adding 'networkx-1.10.dist-info/RECORD'
  removing build/bdist.linux-x86_64/wheel
  Building wheel for networkx (setup.py) … done
  Created wheel for networkx: filename=networkx-1.10-py2.py3-none-any.whl
size=1317237
sha256=dbdb2367eaddc2f4bd685e7fce41592676080220dfc91ceae9f71e8668302b7f
```

```
    Stored in directory: /tmp/user/.cache/pip/wheels/c8/74/b7/491e824ecb0c5a647ece
3adfd8127b41a6cf32a3b7896e9abe
Successfully built networkx
Installing collected packages: decorator, networkx
ERROR: pip's dependency resolver does not currently take into account all

the packages that are installed. This behaviour is the source of the following

dependency conflicts.

qkeras 0.8.0 requires tensorflow-model-optimization>=0.2.1, which is not

installed.

gcsfs 2022.8.2 requires google-cloud-storage, which is not installed.

qkeras 0.8.0 requires networkx>=2.1, but you have networkx 1.10 which is

incompatible.

Successfully installed decorator-5.1.1 networkx-1.10
Note: you may need to restart the kernel to use updated packages.
```

```python
[300]: import pandas as pd
       import ast  # fantastic package (https://docs.python.org/3/library/ast.html)
       import networkx as nx
       import random
       import matplotlib.pyplot as plt

       %matplotlib inline
```

```python
[301]: df = pd.read_csv('tmdb_5000_credits.csv')
       df['cast'] = df.cast.apply(ast.literal_eval)
       df.head()
```

```
[301]:    movie_id                                     title  \
       0     19995                                    Avatar
       1       285  Pirates of the Caribbean: At World's End
       2    206647                                   Spectre
       3     49026                     The Dark Knight Rises
       4     49529                               John Carter


                                                       cast  \
       0  [{'cast_id': 242, 'character': 'Jake Sully', '…
       1  [{'cast_id': 4, 'character': 'Captain Jack Spa…
       2  [{'cast_id': 1, 'character': 'James Bond', 'cr…
       3  [{'cast_id': 2, 'character': 'Bruce Wayne / Ba…
       4  [{'cast_id': 5, 'character': 'John Carter', 'c…


                                                       crew
       0  [{"credit_id": "52fe48009251416c750aca23", "de…
```

```
1  [{"credit_id": "52fe4232c3a36847f800b579", "de…
2  [{"credit_id": "54805967c3a36829b5002c41", "de…
3  [{"credit_id": "52fe4781c3a36847f81398c3", "de…
4  [{"credit_id": "52fe479ac3a36847f813eaa3", "de…
```

```python
[302]:  df['has_bacon'] = df.cast.apply(lambda c: bool([y for y in c if
         ↪y['name']=='Kevin Bacon']))
        df.head()
```

```
[302]:    movie_id                                    title  \
        0    19995                                    Avatar
        1      285  Pirates of the Caribbean: At World's End
        2   206647                                   Spectre
        3    49026                    The Dark Knight Rises
        4    49529                              John Carter


                                            cast  \
        0  [{'cast_id': 242, 'character': 'Jake Sully', '…
        1  [{'cast_id': 4, 'character': 'Captain Jack Spa…
        2  [{'cast_id': 1, 'character': 'James Bond', 'cr…
        3  [{'cast_id': 2, 'character': 'Bruce Wayne / Ba…
        4  [{'cast_id': 5, 'character': 'John Carter', 'c…


                                            crew  has_bacon
        0  [{"credit_id": "52fe48009251416c750aca23", "de…      False
        1  [{"credit_id": "52fe4232c3a36847f800b579", "de…      False
        2  [{"credit_id": "54805967c3a36829b5002c41", "de…      False
        3  [{"credit_id": "52fe4781c3a36847f81398c3", "de…      False
        4  [{"credit_id": "52fe479ac3a36847f813eaa3", "de…      False
```

```python
[303]:  df[df.has_bacon]
```

```
[303]:        movie_id              title  \
        101      49538    X-Men: First Class
        198      49524              R.I.P.D.
        366       9383            Hollow Man
        635        568            Apollo 13
        877     261023            Black Mass
        925      50646  Crazy, Stupid, Love.
        1073      8987        The River Wild
        1105       819              Sleepers
        1181       820                   JFK
        1478       881        A Few Good Men
        1556       322          Mystic River
        1687     11499            Frost/Nixon
        1786      1551            Flatliners
        1862     14177            Beauty Shop
```

```
1941     9729  Where the Truth Lies
1965     1788             Footloose
2145      617           Wild Things
2218    11835        Death Sentence
2842    11601        Stir of Echoes
2874    10944            In the Cut
3030     9362               Tremors
3344    17908            My Dog Skip
3488    20794              Novocaine
3602    13776                 Diner
3883     8469          Animal House
4033    45132                 Super

                                                   cast  \
101   [{'cast_id': 22, 'character': 'Charles Xavier …
198   [{'cast_id': 3, 'character': 'Roy Pulsipher', …
366   [{'cast_id': 2, 'character': 'Sebastian Caine …
635   [{'cast_id': 19, 'character': 'Jim Lovell', 'c…
877   [{'cast_id': 0, 'character': 'James 'Whitey' B…
925   [{'cast_id': 3, 'character': 'Cal Weaver', 'cr…
1073  [{'cast_id': 1, 'character': 'Gail Hartman', '…
1105  [{'cast_id': 19, 'character': 'Father Bobby', …
1181  [{'cast_id': 23, 'character': 'Jim Garrison', …
1478  [{'cast_id': 10, 'character': 'Lt. Daniel Kaff…
1556  [{'cast_id': 4, 'character': 'Jimmy Markum', '…
1687  [{'cast_id': 6, 'character': 'David Frost', 'c…
1786  [{'cast_id': 1, 'character': 'Nelson', 'credit…
1862  [{'cast_id': 4, 'character': 'Gina Norris', 'c…
1941  [{'cast_id': 1, 'character': 'Lanny', 'credit_…
1965  [{'cast_id': 1, 'character': 'Ren McCormack', …
2145  [{'cast_id': 9, 'character': 'Sam Lombardo', '…
2218  [{'cast_id': 16, 'character': 'Nick Hume', 'cr…
2842  [{'cast_id': 9, 'character': 'Tom Witzky', 'cr…
2874  [{'cast_id': 1, 'character': 'Frannie', 'credi…
3030  [{'cast_id': 1, 'character': 'Valentine McKee'…
3344  [{'cast_id': 1, 'character': 'Willie Morris', …
3488  [{'cast_id': 1, 'character': 'Mike', 'credit_i…
3602  [{'cast_id': 1, 'character': 'Edward 'Eddie' S…
3883  [{'cast_id': 1, 'character': 'John "Bluto" Blu…
4033  [{'cast_id': 3, 'character': 'Frank Darbo', 'c…

                                         crew  has_bacon
101   [{"credit_id": "538d861cc3a368714300461d", "de…       True
198   [{"credit_id": "570b93599251412c740021f0", "de…       True
366   [{"credit_id": "52fe44f0c3a36847f80b2f81", "de…       True
635   [{"credit_id": "52fe4253c3a36847f80158f9", "de…       True
877   [{"credit_id": "56684b69c3a36836ac0033dd", "de…       True
```

```
925   [{"credit_id": "565b6197c3a368507d0034b0", "de…          True
1073  [{"credit_id": "52fe44cfc3a36847f80ab353", "de…          True
1105  [{"credit_id": "52fe427bc3a36847f8022255", "de…          True
1181  [{"credit_id": "52fe427bc3a36847f8022365", "de…          True
1478  [{"credit_id": "52fe4286c3a36847f8025d91", "de…          True
1556  [{"credit_id": "52fe4237c3a36847f800d051", "de…          True
1687  [{"credit_id": "56430a0dc3a36870e0001396", "de…          True
1786  [{"credit_id": "564888e09251413e7f006ed4", "de…          True
1862  [{"credit_id": "52fe45d59251416c75063f8f", "de…          True
1941  [{"credit_id": "52fe4523c3a36847f80be93b", "de…          True
1965  [{"credit_id": "52fe4315c3a36847f8039007", "de…          True
2145  [{"credit_id": "52fe425ec3a36847f8018f4b", "de…          True
2218  [{"credit_id": "52fe448f9251416c7503910f", "de…          True
2842  [{"credit_id": "52fe44659251416c750332f1", "de…          True
2874  [{"credit_id": "5628abae9251414cd8001453", "de…          True
3030  [{"credit_id": "56999dd39251416e8f0004e6", "de…          True
3344  [{"credit_id": "52fe47519251416c750951ab", "de…          True
3488  [{"credit_id": "52fe43fac3a368484e008f7b", "de…          True
3602  [{"credit_id": "52fe459a9251416c7505c1fd", "de…          True
3883  [{"credit_id": "52fe44acc3a36847f80a3975", "de…          True
4033  [{"credit_id": "5677fc029251417845001b2d", "de…          True
```

```python
[306]: G = nx.Graph()
       added_actor = []

       def add_movie_and_actors_to_graph(row):
           G.add_node(row.title, {'type': 'movie', 'color': 'blue'})
           for actor in row.cast:
               if actor['name'] not in added_actor:
                   G.add_node(actor['name'], {'type': 'actor', 'color': 'red' if
        ↪actor['name']=='Kevin Bacon' else 'green'})
                   added_actor.append(actor['name'])
               G.add_edge(row.title, actor['name'])


       _ = df.apply(lambda r: add_movie_and_actors_to_graph(r), axis=1)
```

```
       ---------------------------------------------------------------------------
       TypeError                                 Traceback (most recent call last)
       Cell In [306], line 13
             9              added_actor.append(actor['name'])
            10          G.add_edge(row.title, actor['name'])
       ---> 13 _ = df.apply(lambda r: add_movie_and_actors_to_graph(r), axis=1)

       File /usr/local/cloudstor/python/pre/pandas/core/frame.py:8848, in DataFrame.
        ↪apply(self, func, axis, raw, result_type, args, **kwargs)
          8837 from pandas.core.apply import frame_apply
```

```
   8839 op = frame_apply(
   8840     self,
   8841     func=func,
   (…)
   8846     kwargs=kwargs,
   8847 )
-> 8848 return op.apply().__finalize__(self, method="apply")

File /usr/local/cloudstor/python/pre/pandas/core/apply.py:733, in FrameApply.
 ↪apply(self)
    730 elif self.raw:
    731     return self.apply_raw()
--> 733 return self.apply_standard()

File /usr/local/cloudstor/python/pre/pandas/core/apply.py:857, in FrameApply.
 ↪apply_standard(self)
    856 def apply_standard(self):
--> 857     results, res_index = self.apply_series_generator()
    859     # wrap results
    860     return self.wrap_results(results, res_index)

File /usr/local/cloudstor/python/pre/pandas/core/apply.py:873, in FrameApply.
 ↪apply_series_generator(self)
    870 with option_context("mode.chained_assignment", None):
    871     for i, v in enumerate(series_gen):
    872         # ignore SettingWithCopy here in case the user mutates
--> 873         results[i] = self.f(v)
    874         if isinstance(results[i], ABCSeries):
    875             # If we have a view on v, we need to make a copy because
    876             #  series_generator will swap out the underlying data
    877             results[i] = results[i].copy(deep=False)

Cell In [306], line 13, in <lambda>(r)
      9             added_actor.append(actor['name'])
     10         G.add_edge(row.title, actor['name'])
---> 13 _ = df.apply(lambda r: add_movie_and_actors_to_graph(r), axis=1)

Cell In [306], line 5, in add_movie_and_actors_to_graph(row)
      4 def add_movie_and_actors_to_graph(row):
----> 5     G.add_node(row.title, {'type': 'movie', 'color': 'blue'})
      6     for actor in row.cast:
      7         if actor['name'] not in added_actor:

TypeError: add_node() takes 2 positional arguments but 3 were given
```

```
[307]: random_actors = random.sample(added_actor, 5)
       random_actors
```

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
Cell In [307], line 1
----> 1 random_actors = random.sample(added_actor, 5)
      2 random_actors

File /cvmfs/sft.cern.ch/lcg/releases/Python/3.9.12-9a1bc/x86_64-centos7-gcc8-op /
  ↪lib/python3.9/random.py:449, in Random.sample(self, population, k, counts)
    447 randbelow = self._randbelow
    448 if not 0 <= k <= n:
--> 449     raise ValueError("Sample larger than population or is negative")
    450 result = [None] * k
    451 setsize = 21        # size of a small set minus size of an empty list

ValueError: Sample larger than population or is negative
```

```
[ ]:
```