mk_structure
(291 LOC)

mk_theorems
(3005 LOC)

equivalence_relation
(84 LOC)

operations_on_ω
(912 LOC)

infinite_sets
(663 LOC)

filter (548 LOC)

arithmetical_ultrafilter
(605 LOC)

filter_extension
(234 LOC)

existence_of_NPAUF
(2283 LOC)

construction_of_N′
(1796 LOC)
[section 3.1]

N′_to_Z′
(1733 LOC)
[section 3.2]

Z′_to_Q′
(1651 LOC)
[section 3.3]

N_Z_Q_in_Q′
(884 LOC)
[section 3.3]

finity_and_infinity_in_Q′
(1029 LOC)
[section 3.3]

Q′_to_R
(1130 LOC)
[section 4.1]

N_Z_Q_in_R
(1477 LOC)
[section 4.2]

sequence_and_completeness
(1588 LOC)
[section 4.3]

squire_root
(1732 LOC)
[section 4.3]

LOC : lines of code   [section _] : the section with the formalized content in the file

red : MK formalization   blue : filter formalization   gray : auxiliary formalization   green : FMCR formalization