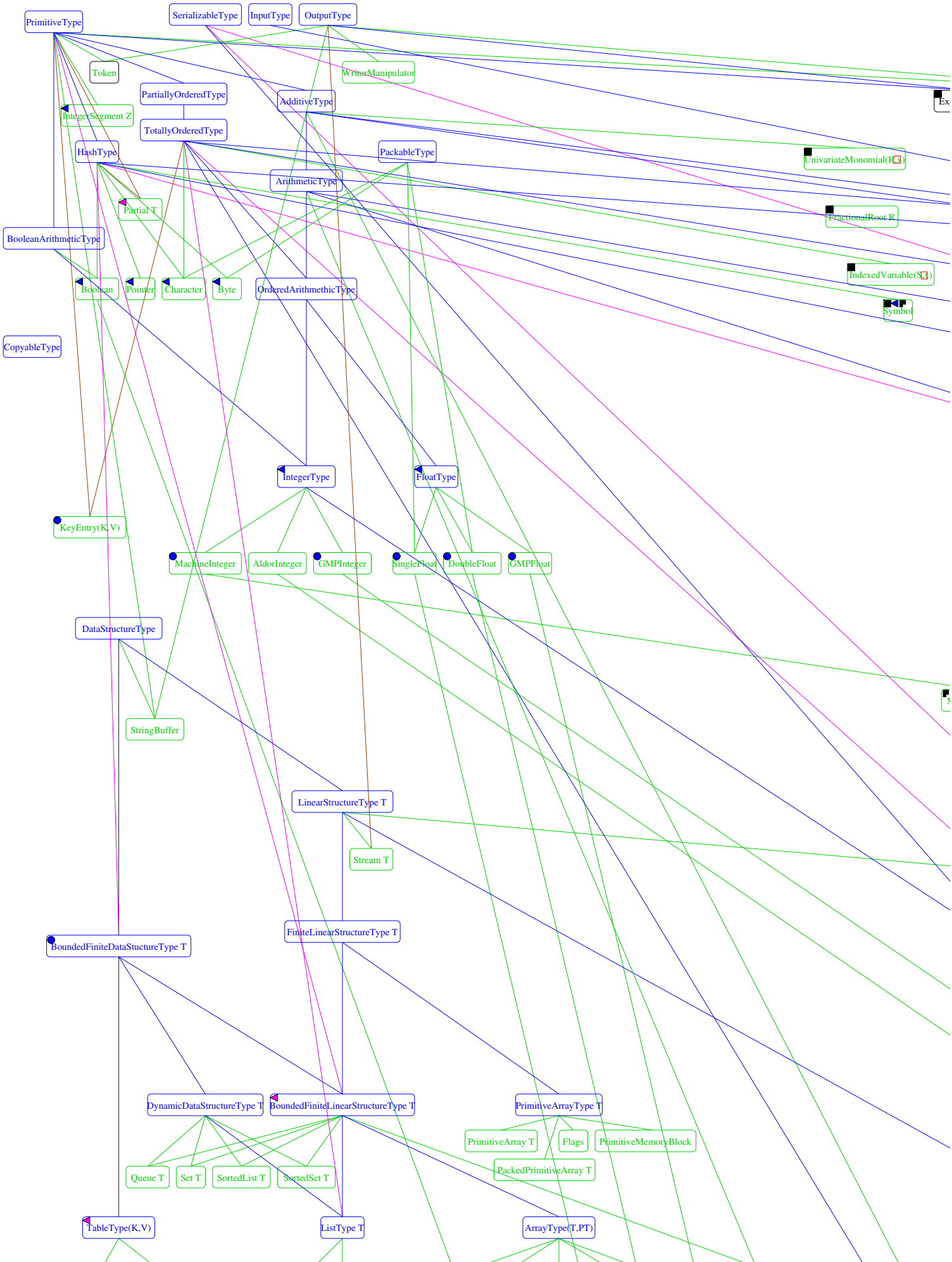
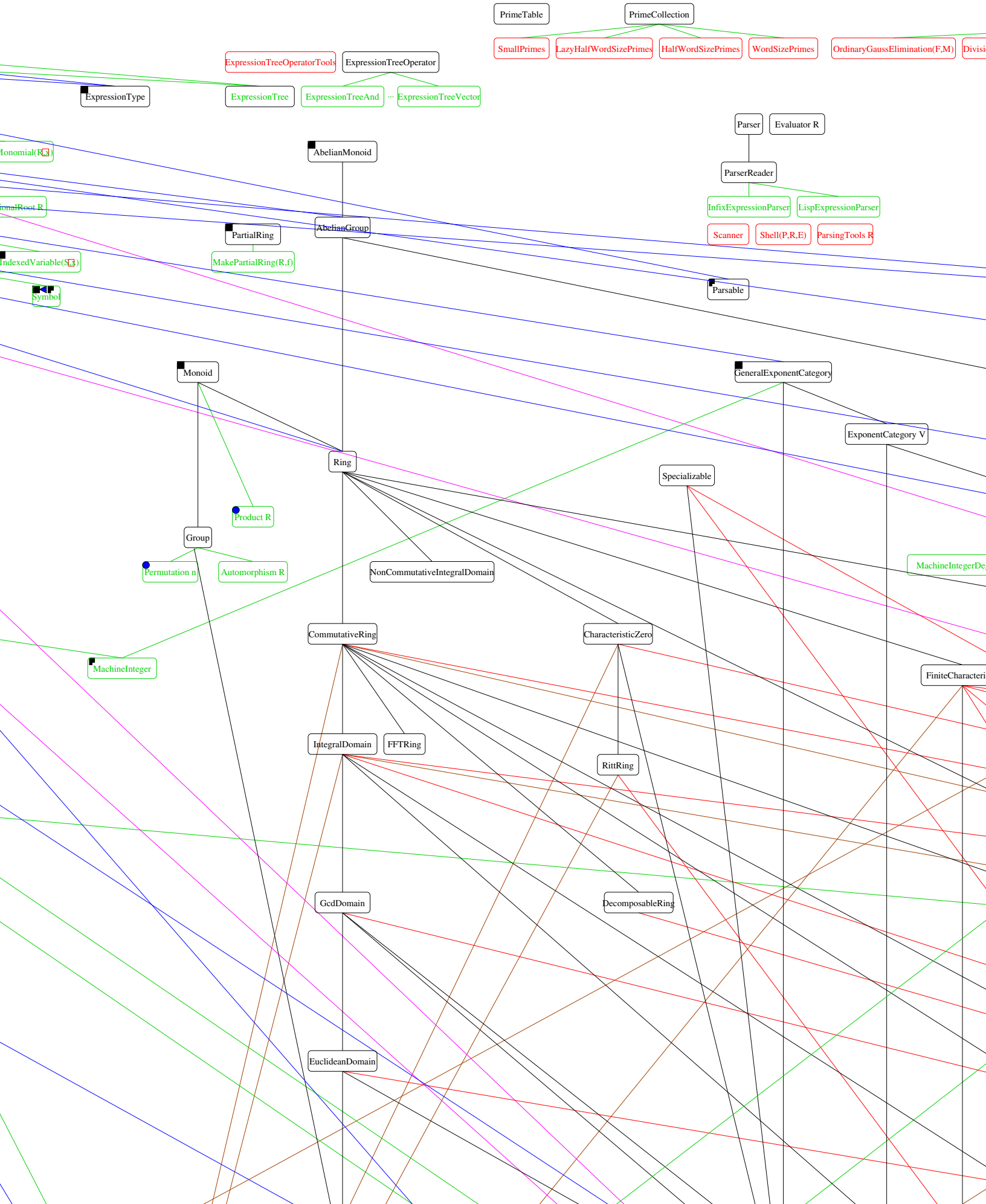
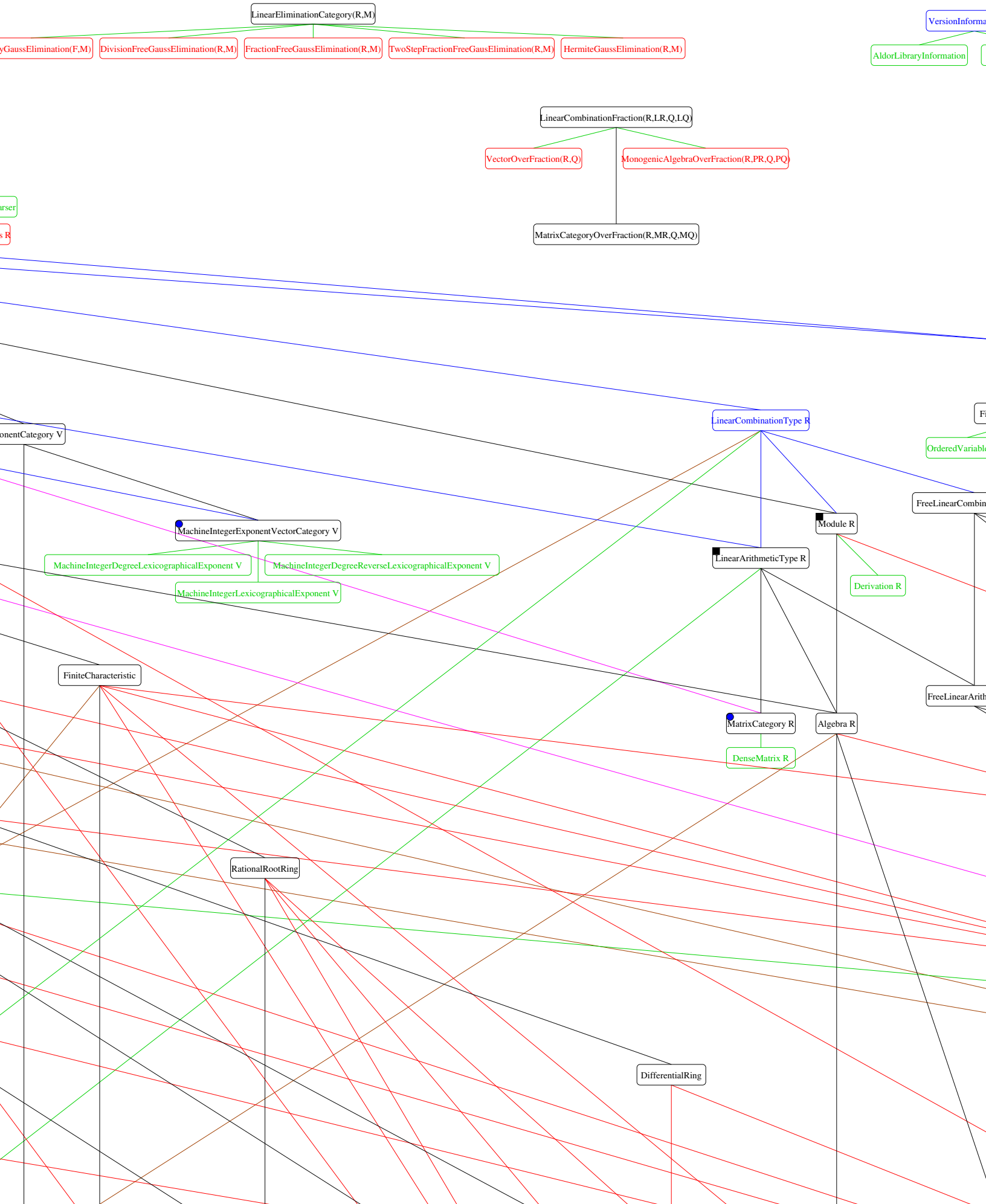
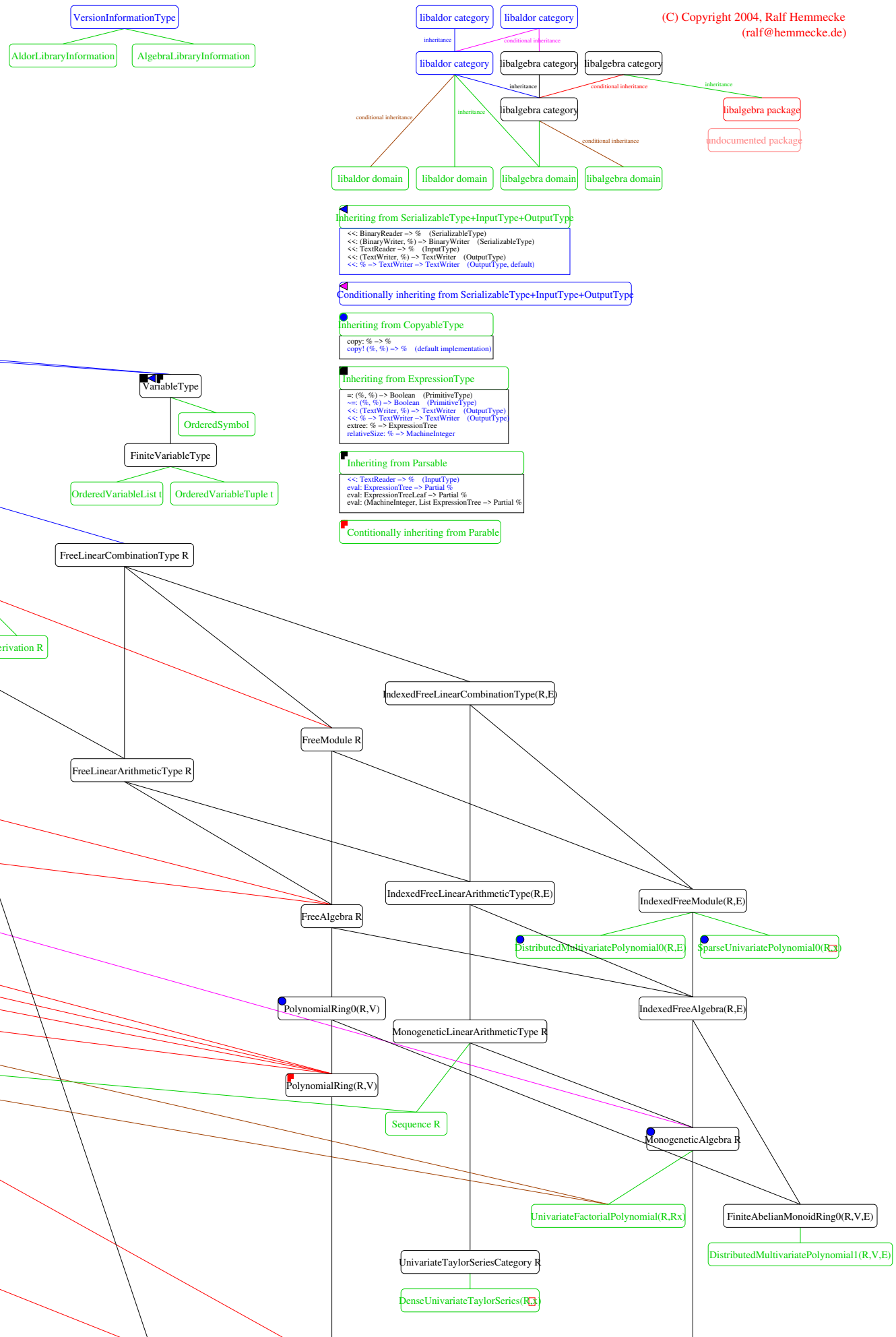
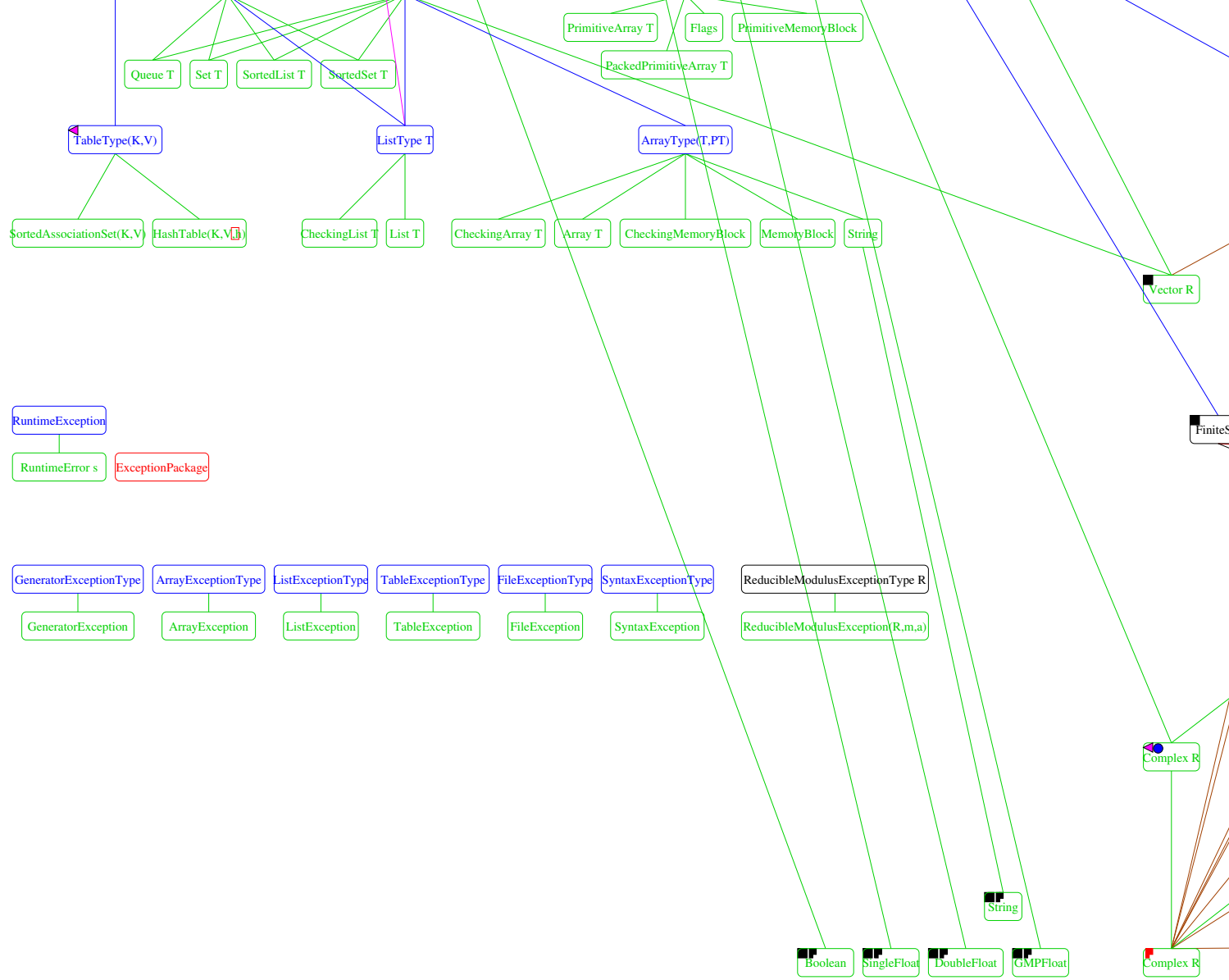

PrimitiveType
SerializableType
InputType
OutputType
Token
WriterManipulator
PartiallyOrderedType
AdditiveType
IntegerSegment Z
TotallyOrderedType
HashType
PackableType
UnivariateMonomial(R,3)
ArithmeticType
PartialT
FractionalRoot R
BooleanArithmeticType
IndexedVariable(S,3)
Boolean
Pointer
Character
Byte
OrderedArithmethicType
Symbol
CopyableType
IntegerType
FloatType
KeyEntry(K,V)
MachineInteger
AldorInteger
GMPInteger
SingleFloat
DoubleFloat
GMPFloat
DataStructureType
StringBuffer
LinearStructureType T
Stream T
FiniteLinearStructureType T
BoundedFiniteDataStuctureType T
DynamicDataStructureType T
BoundedFiniteLinearStructureType T
PrimitiveArrayType T
PrimitiveArray T
Flags
PrimitiveMemoryBlock
PackedPrimitiveArray T
Queue T
Set T
SortedList T
SortedSet T
TableType(K,V)
ListType T
ArrayType(T,PT)


PrimeTable
PrimeCollection
SmallPrimes
LazyHalfWordSizePrimes
HalfWordSizePrimes
WordSizePrimes
OrdinaryGaussElimination(F,M)
ExpressionTreeOperatorTools
ExpressionTreeOperator
ExpressionType
ExpressionTree
ExpressionTreeAnd
ExpressionTreeVector
Parser
Evaluator R
AbelianMonoid
ParserReader
InfixExpressionParser
LispExpressionParser
Scanner
Shell(P,R,E)
ParsingTools R
PartialRing
AbelianGroup
MakePartialRing(R,f)
Parsable
Symbol
Monoid
GeneralExponentCategory
ExponentCategory V
Ring
Specializable
Product R
Group
Permutation n
Automorphism R
NonCommutativeIntegralDomain
CommutativeRing
CharacteristicZero
MachineInteger
IntegralDomain
FFTRing
RittRing
GcdDomain
DecomposableRing
EuclideanDomain


LinearEliminationCategory(R,M)
yGaussElimination(F,M)
DivisionFreeGaussElimination(R,M)
FractionFreeGaussElimination(R,M)
TwoStepFractionFreeGausElimination(R,M)
HermiteGaussElimination(R,M)
VersionInforma
AldorLibraryInformation
LinearCombinationFraction(R,LR,Q,LQ)
VectorOverFraction(R,Q)
MonogenicAlgebraOverFraction(R,PR,Q,PQ)
MatrixCategoryOverFraction(R,MR,Q,MQ)
arser
s R
onentCategory V
LinearCombinationType R
OrderedVariable
FreeLinearCombin
Module R
MachineIntegerExponentVectorCategory V
MachineIntegerDegreeLexicographicalExponent V
MachineIntegerDegreeReverseLexicographicalExponent V
MachineIntegerLexicographicalExponent V
LinearArithmeticType R
Derivation R
FiniteCharacteristic
FreeLinearArith
MatrixCategory R
Algebra R
DenseMatrix R
RationalRootRing
DifferentialRing


VersionInformationType
AldorLibraryInformation
AlgebraLibraryInformation
libaldor category
libaldor category
inheritance
conditional inheritance
libaldor category
libalgebra category
libalgebra category
inheritance
conditional inheritance
inheritance
libalgebra category
libalgebra package
undocumented package
conditional inheritance
inheritance
conditional inheritance
libaldor domain
libaldor domain
libalgebra domain
libalgebra domain
(C) Copyright 2004, Ralf Hemmecke
(ralf@hemmecke.de)
Inheriting from SerializableType+InputType+OutputType
<<: BinaryReader –> % (SerializableType)
<<: (BinaryWriter, %) –> BinaryWriter (SerializableType)
<<: TextReader –> % (InputType)
<<: (TextWriter, %) –> TextWriter (OutputType)
<<: % –> TextWriter –> TextWriter (OutputType, default)
Conditionally inheriting from SerializableType+InputType+OutputType
Inheriting from CopyableType
copy: % –> %
copy! (%, %) –> % (default implementation)
Inheriting from ExpressionType
=: (%, %) –> Boolean (PrimitiveType)
~=: (%, %) –> Boolean (PrimitiveType)
<<: (TextWriter, %) –> TextWriter (OutputType)
<<: % –> TextWriter –> TextWriter (OutputType)
extree: % –> ExpressionTree
relativeSize: % –> MachineInteger
Inheriting from Parsable
<<: TextReader –> % (InputType)
eval: ExpressionTree –> Partial %
eval: ExpressionTreeLeaf –> Partial %
eval: (MachineInteger, List ExpressionTree –> Partial %
Contitionally inheriting from Parable
VariableType
OrderedSymbol
FiniteVariableType
OrderedVariableList t
OrderedVariableTuple t
FreeLinearCombinationType R
erivation R
IndexedFreeLinearCombinationType(R,E)
FreeModule R
FreeLinearArithmeticType R
IndexedFreeLinearArithmeticType(R,E)
IndexedFreeModule(R,E)
FreeAlgebra R
DistributedMultivariatePolynomial0(R,E)
SparseUnivariatePolynomial0(R,
PolynomialRing0(R,V)
IndexedFreeAlgebra(R,E)
MonogeneticLinearArithmeticType R
PolynomialRing(R,V)
Sequence R
MonogeneticAlgebra R
UnivariateFactorialPolynomial(R,Rx)
FiniteAbelianMonoidRing0(R,V,E)
DistributedMultivariatePolynomial1(R,V,E)
UnivariateTaylorSeriesCategory R
DenseUnivariateTaylorSeries(R,

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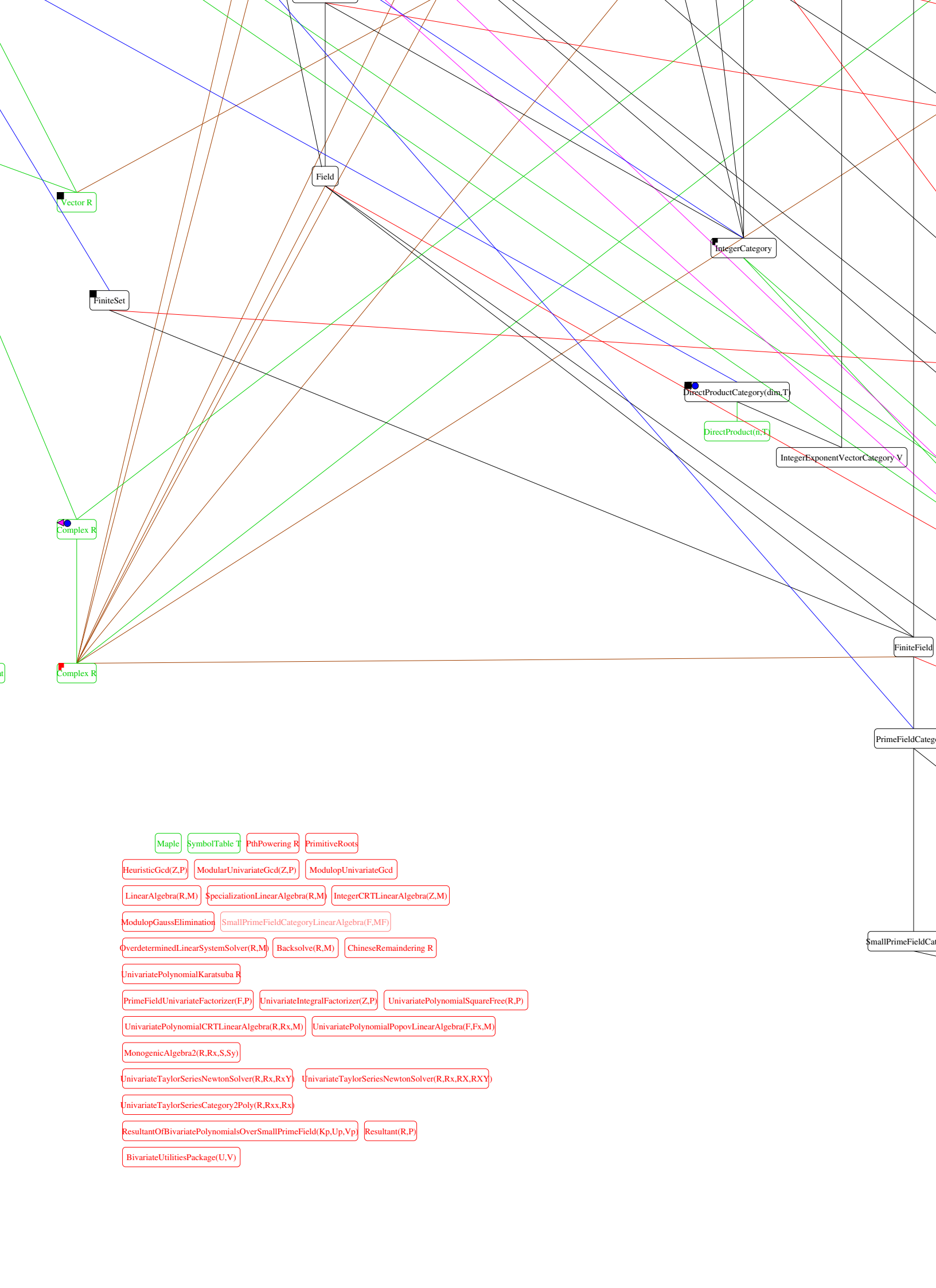
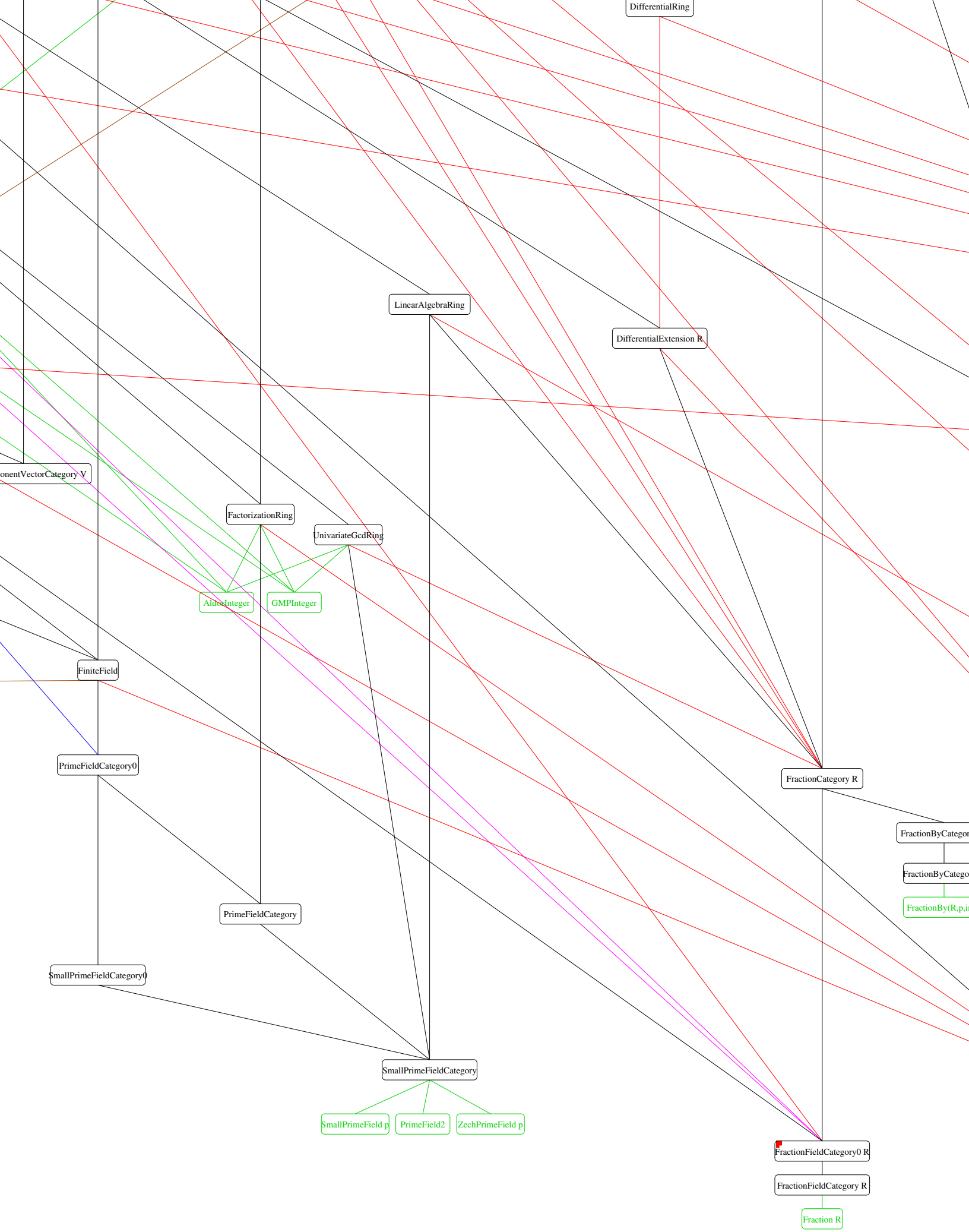
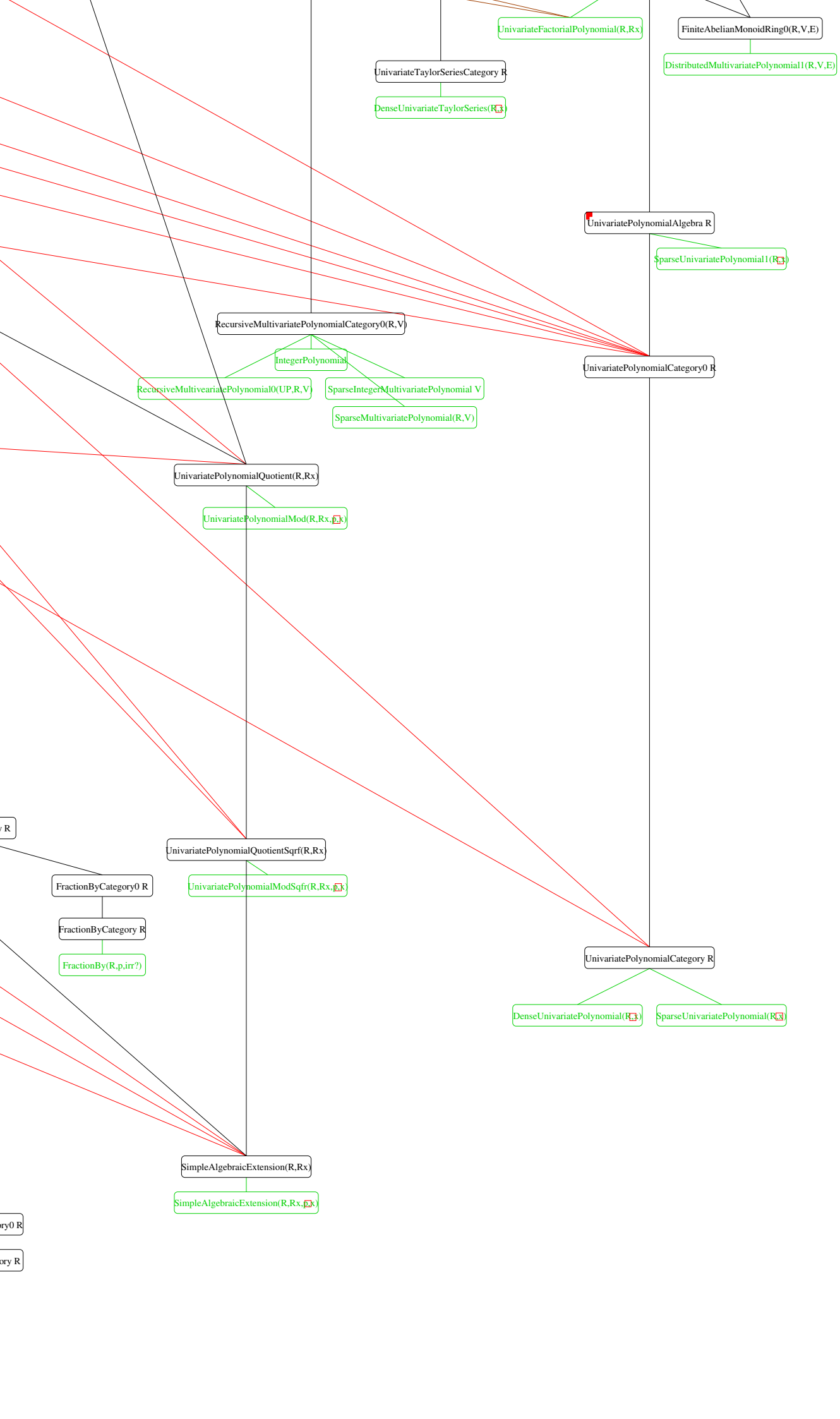

Field
Vector R
IntegerCategory
FiniteSet
DirectProductCategory(dim,T)
DirectProduct(n,T)
IntegerExponentVectorCategory V
Complex R
FiniteField
Complex R
PrimeFieldCateg
SmallPrimeFieldCat
Maple
SymbolTable T
PthPowering R
PrimitiveRoots
HeuristicGcd(Z,P)
ModularUnivariateGcd(Z,P)
ModulopUnivariateGcd
LinearAlgebra(R,M)
SpecializationLinearAlgebra(R,M)
IntegerCRTLinearAlgebra(Z,M)
ModulopGaussElimination
SmallPrimeFieldCategoryLinearAlgebra(F,MF)
OverdeterminedLinearSystemSolver(R,M)
Backsolve(R,M)
ChineseRemaindering R
UnivariatePolynomialKaratsuba R
PrimeFieldUnivariateFactorizer(F,P)
UnivariateIntegralFactorizer(Z,P)
UnivariatePolynomialSquareFree(R,P)
UnivariatePolynomialCRTLinearAlgebra(R,Rx,M)
UnivariatePolynomialPopovLinearAlgebra(F,Fx,M)
MonogenicAlgebra2(R,Rx,S,Sy)
UnivariateTaylorSeriesNewtonSolver(R,Rx,RxY)
UnivariateTaylorSeriesNewtonSolver(R,Rx,RX,RXY)
UnivariateTaylorSeriesCategory2Poly(R,Rxx,Rx)
ResultantOfBivariatePolynomialsOverSmallPrimeField(Kp,Up,Vp)
Resultant(R,P)
BivariateUtilitiesPackage(U,V)


DifferentialRing
LinearAlgebraRing
DifferentialExtension R
onentVectorCategory V
FactorizationRing
UnivariateGcdRing
AldorInteger
GMPInteger
FiniteField
PrimeFieldCategory0
FractionCategory R
FractionByCategor
FractionByCatego
FractionBy(R,p,i
PrimeFieldCategory
SmallPrimeFieldCategory0
SmallPrimeFieldCategory
SmallPrimeField p
PrimeField2
ZechPrimeField p
FractionFieldCategory0 R
FractionFieldCategory R
Fraction R


UnivariateFactorialPolynomial(R,Rx)
FiniteAbelianMonoidRing0(R,V,E)
DistributedMultivariatePolynomial1(R,V,E)
UnivariateTaylorSeriesCategory R
DenseUnivariateTaylorSeries(R,x)
UnivariatePolynomialAlgebra R
SparseUnivariatePolynomial1(R,x)
RecursiveMultivariatePolynomialCategory0(R,V)
IntegerPolynomial
RecursiveMultivearatePolynomial0(UP,R,V)
SparseIntegerMultivariatePolynomial V
SparseMultivariatePolynomial(R,V)
UnivariatePolynomialCategory0 R
UnivariatePolynomialQuotient(R,Rx)
UnivariatePolynomialMod(R,Rx,p,x)
UnivariatePolynomialQuotientSqrf(R,Rx)
UnivariatePolynomialModSqfr(R,Rx,p,x)
FractionByCategory0 R
FractionByCategory R
FractionBy(R,p,irr?)
UnivariatePolynomialCategory R
DenseUnivariatePolynomial(R,x)
SparseUnivariatePolynomial(R,x)
SimpleAlgebraicExtension(R,Rx)
SimpleAlgebraicExtension(R,Rx,p,x)