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Syntax reports

[/What does CADiZ do?](#)

This page is intended just to be skimmed through to give a flavour of what cadiz does. It lists the syntax reports that may be emitted by cadiz, including reports about Z, about tool directives, about tactics, and about the compliance notation (Knuth web and SPARK). The list is not guaranteed to be up-to-date. There is a separate tutorial on [correcting errors in Z specifications](#).

Components of operator name must share same decorations

Cannot parse predicate

Cannot parse expression

Cannot parse schema text

Cannot parse declaration

Cannot parse declaration list

Cannot parse expression_list

Cannot parse tactic definition

Cannot parse name

Cannot parse decoration

Expected newline after %%file filename position

Expected position after %%file filename

Expected filename after %%file

Expected newline after %%line number

Expected line number after %%line

Expected newline after %%rootpath filename

Expected filename string after %%rootpath

Unexpected decoration in %%glyph word

Expected format after %%glyph word

Expected word and format after %%glyph

Expected [selection from] name after %%jump

Expected name after %%knob

Expected newline after %%index

Expected 0 or 1 after %%quiet

Expected 0 or 1 after %%reckless

Expected name after %%abbrev

Expected name after %%tame

Warning: section header should be in \begin{zsection} environment

Cannot parse generic axiomatic paragraph

Cannot parse schema paragraph

Cannot parse generic schema paragraph

Expected free type after &

Expected branches after ::= in free type

Expected branch after | in free type paragraph

Expected \rang after expression in branch of free type

Expected expression after \lang in branch of free type

Expected branch but found expression in free type paragraph

Conjecture name should not be decorated

Expected conclusions after \thrm in conjecture

Expected hypotheses or \thrm in conjecture

Expected name of conjecture

Expected conclusions after \thrm in generic conjecture



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Expected hypotheses or \thrm in generic conjecture
 Expected another predicate after , in list of predicates
 Section name should not be decorated
 Parent name should not be decorated
 Expected] after parameters
 Expected parameters after [
 Expected another name in list
 Expected predicates after | or \where in schema
 Expected another declaration or inclusion in list
 Expected expression after : in declaration
 Expected expression after == in declaration
 as declaration has more than one declaration
 Expected another name after , in declaration list
 Expected another name after , in name list
 Cannot refer to equality
 Cannot refer to membership
 Expected another predicate after newline
 Expected another predicate after semicolon
 Expected \ELSE in \IF expression
 Expected \THEN in \IF expression
 Expected schema after quantifier
 Expected schema after \lambda
 Expected expression after \mu's @ or \spot
 Expected schema after \mu
 Expected expression after \LET's @ or \spot
 Expected schema after \LET

Expected predicate after \iff
 Expected predicate after \implies
 Expected predicate after \lor
 Expected predicate after \veebar
 Expected predicate after \land
 Expected predicate after \lnot
 Expected schema after \zovr
 Expected schema after \semi
 Expected schema after \zpipe
 Expected more of name list or closing parenthesis
 Expected list of names after (in hiding schema
 Expected (after \hide in hiding schema
 Expected schema after \project
 Expected schema after \pre
 Expected schema after \post
 Expected expression after \in
 Expected expression after operator word: %s
 Expected set extension or comprehension expression after \{
 Expected) at end of tuple expression
 Expected expression after , in tuple expression
 Expected) at end of tuple expression
 Expected pattern after \as
 Expected) at end of tuple expression
 Expected \rblot at end of binding extension expression
 Expected name == after \lblot in binding extension expression
 Expected] after schema text

Wild number in tuple selection

Expected name or number after . in selection expression

Expected expression after \theta

Expected] at end of rename list

Expected instantiation list to be on name

Expected] at end of instantiation list

Expected closing parenthesis

Expected string literal after \comment

Expected another name/name after , in renaming list

Expected name after / in rename

Expected another binding in binding list

Expected expression after == in binding

Expected another formula after , in list

Number should be a natural

Number should be an integer

Expected another operator template in list

Relation cannot be nullary

Cannot parse \relation declaration

Only infix functions can have both precedence and associativity

Nofix function cannot have precedence

Infix function must have associativity

Only nofix functions can omit both precedence and associativity

Cannot parse \function declaration

Cannot parse \generic declaration

Precedence cannot exceed 9999

Operator word should not be decorated

Cannot parse specification statement
Tactic name should not be decorated
Cannot parse tactic
Expected tactic after ;
Expected tactic after |
Expected tactic after !
Expected something else after \rec
Expected something else after \patgoal
Expected joker after \match
\patante requires only one joker
Wild number in \patante
Expected something else after \patante
\patcons requires only one joker
Wild number in \patcons
Expected something else after \patcons
Expected) after tactic
Wild selection number in tactic
Expected tactic after ||
Expected tactic after !!
Expected joker or string literal after ++
Expected another joker declaration in list
Expected name of new joker after \expr
Expected name of new joker after \pred
Expected name of new joker after \decl
Expected name of new joker after \goal
Expected name of new joker after \exprs

Expected name of new joker after \decls
 Expected name of new joker after \stxt
 Expected name of new joker after \name
 Expected name of new joker after \names
 Expected name of new joker after \str
 Expected name of new joker after \type
 Expected name of new joker after \decln
 Expected | Expression @ in case of match exprjoker
 Expected Expression @ after | in pattern
 Expected | Predicate @ in case of match predjoker
 Expected Predicate @ after | in pattern
 Expected | ExpressionList @ in case of match exprsjoker
 Expected ExpressionList @ after | in pattern
 Expected | DeclPart @ in case of match declsjoker
 Expected DeclPart @ after | in pattern
 Expected | SchemaText @ in case of match stxtjoker
 Expected SchemaText @ after | in pattern
 Expected | Declaration @ in case of match decljoker
 More than one declaration in pattern
 Expected Declaration @ after | in pattern
 Expected | names @ in case of match namesjoker
 Expected names @ after | in pattern
 Cannot parse type
 Expected | type @ in case of match typejoker
 Expected type @ after | in pattern
 Only one joker allowed before ==

Redeclaration of type %s
 Redeclaration of procedure %s
 Redeclaration of function %s
 Unexpected , after others part
 Illegal slot number format
 Slot number %d already used
 Spec statement must have slot number
 Unmatched loop name
 Slot number not permitted in procedure spec
 Slot number not permitted in function spec
 End name does not match procedure name
 End name does not match function name
 Expected a statement after begin
 Expected another declaration or begin
 Unmatched package end name
 No previous declaration for this slot number
 Unexpected decoration on cartesian product operator
 Unknown operator: %s
 powerset expects one argument
 Expected joker for an expression in as pattern
 Expected expression but found %s
 Expected joker for a predicate in as pattern
 Expected predicate but found %s
 Word already has special syntactic status: %s
 Cannot parse Z paragraph
 Unexpected excess input

Warning: misplaced '_' in identifier
 Identifier too long
 Illegal _ in numeric literal
 Illegal digit for base %d number
 Trailing _ in numeric literal
 Number outside representable range
 Base number not range 2..16
 Expected # at end of based literal
 Expected an integer after .
 Expected an integer exponent
 Missing " from string literal
 Not a 'graphic_character'
 string literal too long
 Expected a 'graphic_character'
 bad character 0%03o
 Expected {text} after %s
 Illegal { after %s{
 Missing } after %s{text
 Text too long
 Expected {slot_number} after \web
 Expected slot_number after \web
 Illegal slot number format
 Slot number %d already used
 Missing } after slot_number
 Illegal slot number format
 Look-ahead buffer overflow; likely cause .ZE omitted



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Expected word after \Delta or \Xi
 Expected argument after \end
 Unrecognised Z environment in \end{%s
 \end{%s does not match corresponding \begin
 Warning: latex needs hard space, e.g. ~
 Expected exponent after E
 Expected digit after _ in stroke
 Expected { after \comment
 Closing } of comment omitted
 Closing ' of format string omitted
 Newline in character or string literal
 Unknown directive; rest of line ignored
 Unnatural number used as decoration
 Expected number after _

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