continued_file_input (ϵ) OPENING_BRACKET (() CLOSING_BRACKET ()) NEWLINE (small_stmt () next_small_stmt (ε) compound_stmt () continued_or_test (ε) $\begin{array}{c} \text{COMP_OP (==)} & \text{xor_expr ()} \end{array}$ small_stmt() \bigcirc continued_expr_stmt (ϵ) \bigcirc and_expr () NEWLINE (INDENT (-) stmts () DEDENT (-) small_stmt () next_small_stmt (ε) \bigcirc continued_arith_expr (ϵ) shift_expr() \bigcirc continued_shift_expr (ϵ) and_test () continued_or_test (ε) continued_expr_stmt () \bigcirc continued_xor_expr (ϵ) (factor ()) (continued_factor (ϵ) continued_term (ε) $ext_small_stmt(\epsilon)$ continued_factor (ε) \bigcirc comparison_stmt (ϵ) $\boxed{\text{next_small_stmt (e)}}$ \bigcirc continued_arith_expr (ϵ) continued_expr_stmt (ϵ) \bigcirc continued_xor_expr (ϵ) continued_or_test (ϵ) not_test () continued_and_test (ε) shift_expr () continued_shift_expr (ε) continued_term (ε) strings () continued_arith_expr (ε) (and_test()) (continued_or_test(ϵ) continued_and_expr (ε) continued_shift_expr (ε) comparison_stmt (ε) comparison () \bigcirc continued_xor_expr (ϵ) (and_expr ()) (arith_expr ()) STRING ("_main_") term () continued_term (ε) xor_expr () continued_xor_expr (ε) continued_shift_expr (ε) \bigcirc continued_and_expr (ϵ) (arith_expr ()) (continued_arith_expr (ϵ)) \bigcirc continued_or_test (ϵ) atom_expr() comparison_stmt (ε) \bigcirc continued_and_expr (ϵ) continued_shift_expr (ε) continued_and_test (ε) continued_xor_expr (ε) shift_expr() arith_expr() continued_arith_expr (ε) $\left(\text{term ()}\right)$ $\left(\text{continued_term (\epsilon)}\right)$ continued_or_test (ε) (atom_expr () (and_expr ()) comparison () atom () trailers (ε) factor () continued_factor (ε) shift_expr () continued_shift_expr (ε) NAME (Parent) \bigcirc continued_and_expr (ϵ) $\left(\text{ expr ()} \right) \left(\text{ comparison_stmt (ϵ)} \right)$ \bigcirc arith_expr () continued_arith_expr (ϵ) $\left(\begin{array}{c} \text{term ()} \end{array}\right) \left(\begin{array}{c} \text{continued_term (\epsilon)} \end{array}\right)$ NAME (Grandparent) expr() $comparison_stmt(\epsilon)$ | continued_arith_expr (ε) continued_shift_expr (ε) factor () continued_factor (ε) $\left(\text{term }()\right)$ $\left(\text{continued_term }(\epsilon)\right)$ $(xor_expr())$ $continued_xor_expr(\epsilon)$ $arith_expr()$ expr() $comparison_stmt(\epsilon)$ term () continued_term (ε) continued_xor_expr (ε) \bigcirc continued_and_expr (ϵ) (and_expr () NAME (main) trailers (ε) trailer () $(xor_expr())$ $(continued_xor_expr(\epsilon))$ continued_and_expr (ϵ) continued_shift_expr (ε) shift_expr () (term () continued_term (ε) atom_expr() (power () OPENING_BRACKET (() CLOSING_BRACKET ()) $\left(\text{and_expr ()} \right) \left(\text{continued_and_expr (ϵ)} \right)$ arith_expr () continued_arith_expr (ε) continued_shift_expr (ϵ) atom_expr() (trailer () (power () trailers (ε) trailer () OPENING_BRACKET (() CLOSING_BRACKET ()) continued_arith_expr (ε) \bigcirc continued_shift_expr (ϵ) arith_expr () (term ()) continued_term (ε) atom_expr() arith_expr () continued_arith_expr (ε) atom () trailers (ε) NAME (obj) trailers () (atom_expr () term () continued_term (ε) trailer () OPENING_BRACKET (() CLOSING_BRACKET ()) DOT (.) NAME (method2) (power () (atom () trailers () NAME (Child) trailers (ε) trailer () DOT (.) NAME (method1) continued_factor (ε) atom_expr() OPENING_BRACKET (() CLOSING_BRACKET ()) (atom_expr () (atom ()) NAME (print) atom_expr() NAME (print) \bigcirc OPENING_BRACKET (() \bigcirc arglist () $(trailers (\epsilon))$ (trailer () CLOSING_BRACKET ()) arglist () (argument () continued_argument (ϵ) $\left(\text{trailers }(\epsilon)\right)$ CLOSING_BRACKET ()) \int continued_argument (ϵ) (arglist () test () continued_argument (ϵ) (or_test () \bigcirc continued_or_test (ϵ) or_test () and_test () \bigcirc continued_and_test (ϵ) and_test () \int continued_or_test (ϵ) (not_test () \bigcirc continued_and_test (ϵ) (comparison () (not_test () \bigcirc continued_and_test (ϵ) comparison_stmt (ε) (comparison () (xor_expr ()) \bigcirc continued_xor_expr (ϵ) comparison_stmt (ϵ) \int continued_xor_expr (ϵ) (and_expr () continued_and_expr (ϵ) comparison_stmt (ϵ) (xor_expr () \bigcirc continued_shift_expr (ϵ) continued_arith_expr (ϵ) continued_shift_expr (ϵ) \subset continued_arith_expr (ϵ) \subset continued_term (ϵ) (continued_term (ϵ)) (factor ())continued arith expr (ε) (term ()) \bigcirc continued_factor (ϵ) \bigcirc continued_factor (ϵ) STRING ("This is method 3 from Child")

STRING ("This is method 2 from Parent")

STRING ("This is method 1 from Grandparent")