PROG → STAT EOF   ● terminali

STATLIST → STAT STATLISTP

STATLISTP → STAT STATLISTP | ε

STAT → (STATP)

STATP → = ID EXPR |

        COND BEXPR STAT ELSEOPT |

        WHILE BEXPR STAT |

        DO STATLIST |

        PRINT EXPRLIST |

        READ ID

ELSEOPT → (ELSE STAT) | ε

BEXPR → (BEXPRP)

BEXPRP → RELOP EXPR EXPR

EXPR → NUM | ID | (EXPRP)

EXPRP → + EXPRLIST | - EXPR EXPR | * EXPRLIST | / EXPR EXPR

EXPRLIST → EXPR EXPRLISTP

EXPRLISTP → EXPR EXPRLISTP | ε

CALCOLO FIRST

FIRST (PROG) = FIRST (STAT) = { (}

FIRST (STATLIST) = FIRST (STAT) = { (}

FIRST (STATLISTP) = FIRST (STAT) = { (}

FIRST (STAT) = { (}

FIRST (STATP) = { IO, cond, while, do, print, read }

FIRST (ELSEOPT) = { (}

FIRST (BEXPR) = { (}

FIRST (BEXPRP) = { RELOP }

FIRST (EXPR) = { NUM, ID, (}

FIRST (EXPRP) = { +, -, *, / }

FIRST (EXPRLIST) = FIRST (EXPR) = { NUM, ID, (}

FIRST (EXPRLISTP) = FIRST (EXPR) = { NUM, ID, (}

CALCOLO FOLLOW:

EOF ∈ FOLLOW (PROG)
EOF ∈ FOLLOW (STAT)
FOLLOW (STATLIST) ⊆ FOLLOW (STATLISTP)
FIRST (STATLISTP) ∈ FOLLOW (STAT)

{) } ∈ FOLLOW (STATP)
FOLLOW (STATP) ⊆ FOLLOW (EXPR)
FIRST (STAT) ⊆ FOLLOW (BEXPR)
FIRST (ELSEOPT) ⊆ FOLLOW (STAT)
FIRST (STAT) ⊆ FOLLOW (BEXPR)
FOLLOW (STATP) ⊆ FOLLOW (STATLIST)
FOLLOW (STATP) ⊆ FOLLOW (EXPRLIST)
{) } ∈ FOLLOW (STAT)
{) } ∈ FOLLOW (BEXPRP)

{) } ∈ FOLLOW (EXPRP)

FOLLOW (EXPRP) ⊆ FOLLOW (EXPRLIST)

	FOLLOW
PROG	$
STAT	$, (,)
STATLIST	)
STATLISTP	)
STATP	)
EXPR	) , NUM, ID, (
BEXPR	(
ELSEOPT	)
EXPRLIST	)

FIRST (EXPR) ⊆ FOLLOW (EXPR)

FIRST (EXPRLISTP) ⊆ FOLLOW (EXPR)

FOLLOW (EXPRLIST) ⊆ FOLLOW (EXPRLISTP)

FOLLOW (STATLIST) ⊆ FOLLOW (STATLISTP)

FOLLOW (STATP) ⊆ FOLLOW (ELSEOPT)

BEXPRP	)
EXPRP	)
EXPRLISTP	)

guida (PROG → STAT EOF) = { (}

guida (STATLIST → STAT STATLISTP) = { (}

guida (STATLISTP → STAT STATLISTP) = { (}

guida (STATLISTP → ε) = {) }

guida (STAT → (STATP)) = { (}

guida (STATP → ID EXPR) = {ID}

guida (STATP → cond BEXPR STAT ELSEOPT) = { cond }

guida (STATP → while BEXPR STAT) = { while }

guida (STATP → do STATLIST) = {do}

guida (STATP → print EXPRLIST) = { print }

guida (STATP → read ID) = { read }

guida (ELSEOPT → (else STAT)) = { (}

guida (ELSEOPT → ε) = {) }

guida (BEXPR → (BEXPRP)) = { (}

guida (BEXPRP → relop EXPR EXPR) = { Relop }

guida (EXPR → NUM) = { NUM }

guida (EXPR → ID) = {ID }

guida (EXPR → (EXPRP)) = { (}

guida (EXPRP → +EXPRLIST) = { + }

guida (EXPRP → - EXPR EXPR) = { - }

guida (EXPRP → * EXPRLIST) = { * }

guida (EXPRP $\to$ / EXPR EXPR) = { / }

guida (EXPRLIST $\to$ EXPR EXPRLISTP) = { NUM, ID, (}

guida (EXPRLISTP $\to$ EXPR EXPRLISTP) = { NUM, ID, (}

guida (EXPRLIST P $\to$ ε) = {) }