

### GUI SETS dell'Esercizio 3.2

$\langle prog \rangle ::= \langle statlist \rangle EOF$	ID, print, read, case, while, {
$\langle statlist \rangle ::= \langle stat \rangle \langle statlistp \rangle$	ID, print, read, case, while, {
$\langle statlistp \rangle ::= ; \langle stat \rangle \langle statlistp \rangle$	;
$\langle statlistp \rangle ::= \epsilon$	EOF, }
$\langle stat \rangle ::= ID := \langle expr \rangle$	ID
$\langle stat \rangle ::= \text{print} ( \langle expr \rangle )$	print
$\langle stat \rangle ::= \text{read} ( ID )$	read
$\langle stat \rangle ::= \text{case} \langle whenlist \rangle \text{ else } \langle stat \rangle$	case
$\langle stat \rangle ::= \text{while} ( \langle bexpr \rangle ) \langle stat \rangle$	while
$\langle stat \rangle ::= \{ \langle statlist \rangle \}$	{
$\langle whenlist \rangle ::= \langle whenitem \rangle \langle whenlistp \rangle$	when
$\langle whenlistp \rangle ::= \langle whenitem \rangle \langle whenlistp \rangle$	when
$\langle whenlistp \rangle ::= \epsilon$	else
$\langle whenitem \rangle ::= \text{when} ( \langle bexpr \rangle ) \langle stat \rangle$	when
$\langle bexpr \rangle ::= \langle expr \rangle \text{ RELOP } \langle expr \rangle$	(, NUM, ID
$\langle expr \rangle ::= \langle term \rangle \langle exprp \rangle$	(, NUM, ID
$\langle exprp \rangle ::= + \langle term \rangle \langle exprp \rangle$	+
$\langle exprp \rangle ::= - \langle term \rangle \langle exprp \rangle$	-
$\langle exprp \rangle ::= \epsilon$	;, EOF, ), RELOP, when, else, }
$\langle term \rangle ::= \langle fact \rangle \langle term p \rangle$	(, NUM, ID
$\langle term p \rangle ::= * \langle fact \rangle \langle term p \rangle$	*
$\langle term p \rangle ::= / \langle fact \rangle \langle term p \rangle$	/
$\langle term p \rangle ::= \epsilon$	+, -, ;, EOF, ), RELOP, when, else, }
$\langle fact \rangle ::= ( \langle expr \rangle )$	(
$\langle fact \rangle ::= \text{NUM}$	NUM
$\langle fact \rangle ::= \text{ID}$	ID