



Micro

<<Micro.ppt>>

■ Grammar for Micro with Action Symbols

<code><program></code>	→	<code>#start begin <statement list> end</code>
<code><statement list></code>	→	<code><statement> {<statement>}</code>
<code><statement></code>	→	<code><ident> := <expression> #assign;</code>
<code><statement></code>	→	<code>read (<id list>);</code>
<code><statement></code>	→	<code>write (<expr list>);</code>
<code><id list></code>	→	<code><ident>#read_id{,<ident>#read_id}</code>
<code><expr list></code>	→	<code><expression>#write_ expr{,<expression>#write_expr}</code>
<code><expression></code>	→	<code><primary>{<add op> <primary> #gen_infix}</code>

<code><primary></code>	<code>→ (<expression>)</code>
<code><primary></code>	<code>→ <ident></code>
<code><primary></code>	<code>→ INTLITERAL #process_literal</code>
<code><add op></code>	<code>→ PLUSOP #process_op</code>
<code><add op></code>	<code>→ MINUSOP #process_op</code>
<code><ident></code>	<code>→ ID #process_id</code>
<code><system goal></code>	<code>→ <program> SCANEOF #finish</code>