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<program> → [<metas>] <object> EOF
<metas> → <meta> {EOL <meta>} EOP
<comment> → <commentary> EOL
<commentoptional> → {<comment>}
<object> → (<commentoptional> <masterbody>)
| <bound>
<bound> → <commentoptional> ((application) | (((method) | <just>) ((onameortname) | <aphi>) EOL))
<tbound> → <commentoptional> (tapplication) | (((method) | <just>) <tname> EOL))
<tsubmaster> → <commentoptional> tmasterbody
<submaster> → <commentoptional> masterbody
<masterbody> → <formation> | <atom> | ((hanonym) <onameortname> EOL)
<tmasterbody> → <tformation> | <atom> | ((hanonym) <tname> EOL)
| <just> → <beginner> | <finisher>
| <atom> → <voids> <suffix> " " "?" <testsoreol>
<formation> → <voids> <onameortname> <innersoreol>
<tformation> → <voids> <tname> <innersoreol>
<testsoreol> → <tests> | EOL
<innersoreol> → <inners> | EOL
| <inners> → EOL TAB ((bound) | <submaster>) {((bound) | ([EOL] <submaster>)) UNTAB
| <tests> → EOL TAB ((tbound) | <tsubmaster>) {((tbound) | ([EOL] <tsubmaster>)) UNTAB
| <voids> → "[" <void> {" " void} "]"
| <void> → <name> | "@"
<application> → ((happlicationextended) <onameortname> EOL)
| <vapplication>
<tapplication> → ((happlicationextended) <tname> EOL)
| <tvapplication>
<application> → ((happlicationhead) <happlicationtail>)
| <happlicationreversed>
<happlicationreversedhead> → <reversed> " " <happlicationreversedfirst>
<happlicationextended> → ((happlicationheadextended) <happlicationtail>)
| <happlicationreversed>
| <onlyaphi> → <happlicationheadextended> <happlicationtail> <aphi>
| <aphi> → " " ">" " " " <voids>
<happlicationreversed> → <happlicationreversedhead> [<happlicationtail>]
<happlicationhead> → <hmethod> | <applicable>
<happlicationheadextended> → <vmethod> | <happlicationhead>
| <applicable> → "*" | <name> | "@"
<happlicationargunbound> → " " <happlicationarg>
<happlicationtailscoped> → {<happlicationargunbound>} " " <happlicationargscoped>
| <happlicationtail> → {<happlicationargunbound>} <as> }+ | {<happlicationargunbound>} +
<happlicationreversedfirst> → <happlicationarg>
| <happlicationarg> → <just> | <hmethod> | <scope>
<happlicationargscoped> → <voids> <aname> <innersoreol>
| <application> → ((<applicationhead> <onameortname> <vapplicationargs>) | ((<reversed> <onameortname> <vapplicationargsreversed>))
| <tvapplication> → ((<applicationhead> <tname> <vapplicationargs>) | ((<reversed> <tname> <vapplicationargsreversed>))
| <vapplicationhead> → <applicable> | <hmethod> | <vmethod> | <compactarray>
| <compactarray> → (" $" | " QQ" | <name>) {". " <name>} " " "*" [<int>]
| <vapplicationargs> → EOL TAB <vapplicationargspecific> UNTAB
<vapplicationargsreversed> → EOL TAB <vapplicationargunbound> [<vapplicationargsspecific>] UNTAB
<vapplicationargsspecific> → {<vapplicationargbound>}+ | {<vapplicationargunbound>}+
| <vapplicationargbound> → ((<vapplicationargboundcurrent> EOL)
| <vapplicationargboundnext>
| <vapplicationargboundcurrent> → (( " ( <happlicationextended> " ) ) | <just> | <method> <as> [<oname>] | ((commentoptional) " ( <hanonym> " ) <as> [<fname>])
| <vapplicationargboundnext> → ((commentoptional) <voids> <as> [<fname>] <innersoreol>) | ((<applicationhead> <as> [<oname>] <vapplicationargs>) | ((<reversed> <as> [<oname>] <vapplicationargsreversed>))
| <vapplicationargunbound> → ((onlyaphi) | ((<vapplicationargboundcurrent> <aphi>) EOL)
| <vapplicationargboundnext>
| <vapplicationargboundcurrent> → ((happlicationextended) | <just> | <method> [<oname>]) | ((commentoptional) <hanonym> [<fname>])
| <vapplicationargboundnext> → <formationnamed> | ((<applicationhead> [<oname> | <aphi>] <vapplicationargs>) | ((<reversed> [<oname>] <vapplicationargsreversed>) | ((<applicationhead> | <happlicationreversedhead> <happlicationtailscoped>))
| <formationnamed> → <commentoptional> <voids> [<fname>] <innersoreol>
| <hformation> → <voids> {<hanonyminner>}+
| <hanonym> → <hformation> | (<hmethod> | <happlication> | <hformation> | <just> {<onlyphitail>}+)
| <onlyphitail> → <arrow> <voids>
| <hanonyminner> → " " " ( <hmethod> | <happlication> | <hanonym> | <just>) <oname> "
| <method> → <hmethod> | <vmethod>
| <hmethod> → (<just> | <scope>) {<methodtail>}+
| <vmethod> → ((vmethodheadapplication) | ((<just> | <hanonym>) [<oname>] EOL) | <formationnamed> ) <methodtail> {<vmethodheadapplicationtail> <methodtail>}
| <vmethodheadapplicationtail> → [<oname>] <vapplicationargs> | EOL | ((<happlicationtail> [<oname>] EOL)
| <vmethodheadapplication> → ((<applicable> | <hmethod> [<oname>] <vapplicationargs>) | ((<reversed> [<oname>] <vapplicationargsreversed>))
| <methodtail> → ". " (<finisher> | (" " <int>))
| <beginner> → "*" | "Q" | "QQ" | $" | <data>
| <finisher> → <name> | "@" | " "
| <reversed> → ((<finisher> | (" " <int>)) ". "
| <aname> → ">" ">" [" ! "]
| <fname> → <oname> | (" " <name>)
| <onameortname> → <oname> | <tname>
| <oname> → <suffix> [ " ! "]
| <tname> → <tarrow> (" @ " | <name>)
| <tarrow> → " " "+ " ">" " "
| <suffix> → <arrow> (" @ " | <name>) [ " ! "]
| <arrow> → " " ">" " "
| <scope> → " ( ((<happlication> | <hanonym>) " ) "
| <as> → " ; " ((<name> | <int>)
| <data> → <bytes> | <text> | <string> | <int> | <float> | <hex>
| <commentary> → "#" [{[^r\n]} {^_r\n_t}]
| <meta> → "+ " <name> {" " [{^_t\r\n_n}] }+
| <indent> → " " " "
| <linebreak> → [" \r"] "\n"
| <byte> → [0-9A-F] [0-9A-F]
| <empty_bytes> → " - " " "
| <line_bytes> → <byte> {" - " <byte>}+
| <bytes> → <empty_bytes> | ((<byte> " - ") | ((<line_bytes> {" - " EOL <line_bytes>}))
| <escape_sequence> → "\{ \}" ([btnfr]" \{ \} | ([[0-3] [0-7] [0-7]) | ({"u"}+ <byte> <byte>))
| <string> → DQ {[^"\{ \}\r\n]} <escape_sequence> DQ
| <int> → (" + " | " - ") (" 0 " | (" 0 " [1-9] {0-9} ))
| <exponent> → (" e " | " E ") (" + " | " - ") {0-9}+
| <float> → (" + " | " - ") {0-9}+ ". " {0-9}+ [<exponent>]
| <hex> → " 0x " {0-9a-fA-F}+
| <name> → [a-z] {[^_ . , ! ; ! ?] [ - \{ \} (\r\n\ t\xF335)]}
| <text> → DQ DQ DQ [" \r"] "\n" {[^ \{ \}] <escape_sequence>} DQ DQ DQ

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