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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⟩ 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⟩
⟨happlication⟩ → ((⟨happlicationhead⟩) ⟨happlicationtail⟩)
| ⟨happlicationreversed⟩
⟨happlicationreversedhead⟩ → ⟨reversed⟩ "␣" ⟨happlicationreversedfirst⟩
⟨happlicationextended⟩ → ((⟨happlicationheadextended⟩) ⟨happlicationtail⟩)
| ⟨happlicationreversed⟩
⟨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⟩
⟨vapplication⟩ → ((⟨vapplicationhead⟩) ⟨onameortname⟩ ⟨vapplicationargs⟩) | ((⟨reversed⟩) ⟨onameortname⟩ ⟨vapplicationargsreversed⟩)
⟨tvapplication⟩ → ((⟨vapplicationhead⟩) ⟨tname⟩ ⟨vapplicationargs⟩) | ((⟨reversed⟩) ⟨tname⟩ ⟨vapplicationargsreversed⟩)
⟨vapplicationhead⟩ → ⟨applicable⟩ | ⟨hmethod⟩ | ⟨vmethod⟩ | ⟨compacttuple⟩
⟨compacttuple⟩ → ((⟨hmethod⟩ | ⟨applicable⟩ | ⟨reversed⟩) "␣" "*" [⟨int⟩])
⟨vapplicationargs⟩ → EOL TAB ⟨vapplicationargsspecific⟩ 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⟩] | ((⟨vapplicationhead⟩) ⟨as⟩ [(⟨oname⟩) ⟨vapplicationargs⟩] | ((⟨reversed⟩) ⟨as⟩ [(⟨oname⟩) ⟨vapplicationargsreversed⟩])
⟨vapplicationargunbound⟩ → ((⟨vapplicationargunboundcurrent⟩ EOL)
| ⟨vapplicationargunboundnext⟩
⟨vapplicationargunboundcurrent⟩ → ((⟨happlicationextended⟩ | ⟨just⟩ | ⟨method⟩ [(⟨oname⟩)] | ((⟨commentoptional⟩) ⟨hanonym⟩ [(⟨fname⟩)])
⟨vapplicationargunboundnext⟩ → ⟨formationnamed⟩ | ((⟨vapplicationhead⟩ [(⟨oname⟩) ⟨vapplicationargs⟩] | ((⟨reversed⟩) [(⟨oname⟩) ⟨vapplicationargsreversed⟩]) | ((⟨happlicationhead⟩ | ⟨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⟩ → ((⟨vmethodheadvapplication⟩ | ((⟨just⟩ | ⟨hanonym⟩) [(⟨oname⟩) EOL] | ⟨formationnamed⟩) ⟨methodtail⟩ {⟨vmethodheadapplicationtail⟩} ⟨methodtail⟩)
⟨vmethodheadapplicationtail⟩ → (([⟨oname⟩] ⟨vapplicationargs⟩ EOL) | ((⟨happlicationtail⟩ [(⟨oname⟩) EOL]
⟨vmethodheadvapplication⟩ → ((⟨applicable⟩ | ⟨hmethod⟩ [(⟨oname⟩) ⟨vapplicationargs⟩] | ((⟨reversed⟩) [(⟨oname⟩) ⟨vapplicationargsreversed⟩])
⟨methodtail⟩ → ". " ⟨finisher⟩
⟨beginner⟩ → "*" | "Q" | "QQ" | "$" | ⟨data⟩
⟨finisher⟩ → ⟨name⟩ | "@" | "^"
⟨reversed⟩ → ⟨finisher⟩ ". "
⟨aname⟩ → ">" ">" ["!" ]
⟨fname⟩ → ⟨oname⟩ | ("␣" ⟨aname⟩)
⟨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] } }+
⟨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⟩ → "\\{" (["btfnr" "\\{" | ([[[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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