

```
(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) | (compactarray)
(compactarray) → ((hmethod) | (applicable)) "␣" "*" [(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) → "\\{" ([btntfr"'\\{}] | ([[[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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