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0.1 EBNF Grammatik für DMF

```
::= \langle dmf\_declaration \rangle \langle new\_line \rangle \langle model\_declaration \rangle
\langle source\_file \rangle
                                              \langle new\_line \rangle \ [\ \langle import\_block \rangle \ ] \ \langle model\_content \rangle
\langle dmf\_declaration \rangle
                                      ::= 'dmf' \langle version\_number \rangle
\langle model \ declaration \rangle
                                     ::= \text{'model'} \langle string\_value \rangle \text{'version'} \langle version\_number \rangle
\langle import \ block \rangle
                                      ::= \langle import \ statement \rangle +
\langle import \ statement \rangle
                                      ::= 'import' \langle package \ string \rangle 'from' \langle string \ value \rangle \langle new \ line \rangle
\langle model\_content \rangle
                                      ::= \langle package\_content \rangle +
                                       ::= [\langle comment\_block \rangle] ['expand'] \langle package\_block \rangle]
\langle package\_content \rangle
                                              \langle override \ block \rangle
                                             [\langle comment \ block \rangle] ['expand'] \langle struct \ block \rangle]
                                              \langle override \ block \rangle
                                              [\langle comment\_block \rangle]['expand']\langle enum\_block \rangle[\langle override\_block \rangle]
                                             [\langle comment\_block \rangle] ['expand'] \langle entity\_block \rangle
                                              \langle override \ block \rangle
                                             \lceil \langle comment \ block \rangle \rceil \lceil \langle expand' \rceil \langle interface\_block \rangle \rceil
                                              \langle override \ block \rangle
\langle comment\_block \rangle
                                      ::= \langle comment \rangle +
\langle comment \rangle
                                      ::= R'//.* \ n'
\langle package\_block \rangle
                                      ::= 'package' '\{' \langle package\_content\rangle^* '\}'
\langle struct\_block \rangle
                                      ::= 'struct' \langle identifier \rangle [\langle extends\_block \rangle] [\langle implements\_block \rangle]
                                             \langle extends\_block \rangle
                                      ::= 'extends' \langle reftype \rangle
```

```
\langle implements \ block \rangle
                                            ::= 'implements' \langle reftype \rangle (',' \langle reftype \rangle)+
\langle struct\ content \rangle
                                                       \langle comment\_block \rangle \ ] \langle arg\_block \rangle \ [ \langle override\_block \rangle
                                                       \langle comment\_block \rangle \ ] \ \langle ref\_block \rangle \ [ \ \langle override\_block \rangle \ ]
                                                       \langle comment\_block \rangle \mid \langle multi\_block \rangle \mid \langle override\_block \rangle
                                                       \langle comment\_block \rangle \ ] \langle func\_block \rangle \ [ \langle override\_block \rangle
\langle arg block \rangle
                                            ::= 'arg' \langle primitive type \rangle \langle identifier \rangle ';'
\langle ref\_block \rangle
                                            ::= 'ref' \langle reftype \rangle \langle identifier \rangle ';'
                                            ::= \text{'ref'} \langle multi \mid name \rangle ' \langle primitive \mid type \rangle [',' \langle primitive \mid type \rangle]
\langle multi\ block \rangle
                                                    ] '>' \langle identifier \rangle ';
                                                    'ref' \( \lambda multi_name \rangle \) '<' \( \lambda reftype \rangle \) [ ',' \( \lambda primitive_type \rangle \)
                                                    ] '>' \(\langle identifier\rangle\)';
                                                   'ref' \( \lambda multi_name \rangle \) '<' \( \lambda primitive_type \rangle \) \[ ',' \( \lambda reftype \rangle \)
                                                    ] '>' \(\langle identifier\) ';
                                                   'ref' \( \langle multi_name \rangle \) '<' \( \langle reftype \rangle \) \[ ',' \( \langle reftype \rangle \) \] '>'
                                                    \langle identifier \rangle ';'
\langle func\ block \rangle
                                            ::= 'func' \langle reftype \rangle \langle identifier \rangle '(' [ \langle param\_definition \rangle
                                                    ( ',' \(\rangle \text{param_definition}\)\* \| ')' ';'
                                                   'func' \( \langle primitive_type \rangle \) \( \langle identifier \rangle \) '(' \[ \langle param_definition \rangle \]
                                                    ( ',' \( param_definition \))* | ')' ';'
                                                   'func' 'void' \(\langle identifier\rangle \) '(' \[ \langle param_definition \rangle \) ( ','
                                                    \langle param \ definition \rangle)* | ')' ';'
\langle param \ definition \rangle
                                            ::= \langle reftype \rangle \langle identifier \rangle
                                              | \langle primitive\_type \rangle \langle identifier \rangle
\langle enum \ block \rangle
                                            ::= 'enum' \langle identifier \rangle '{' \langle enum \ content \rangle^* '}'
\langle enum \ content \rangle
                                            ::= [\langle comment\_block \rangle] \langle arg\_block \rangle [\langle override\_block \rangle]
                                                    [\ \langle comment\_block \rangle\ ]\ \langle enum\_constant \rangle\ [\ \langle override\_block \rangle
```

0.2. BEISPIEL 3

0.2 Beispiel