

NC Path Language Description

<path>	::= <path step> (<path step> ...) (<path>) (<path> <repeater exp>)
<path step>	::= <path step descriptor> (<path step op> <path step> ...)
<path step descriptor>	::= <literal descriptor> <functional descriptor> ANY <lisp-variable>
<literal descriptor>	::= <link-type> @<card-type> <link-type> _<card-type>
<functional descriptor>	::= #<lisp-link-predicate> @#<lisp-card-predicate> #<lisp-link-predicate> _<lisp-card-predicate>
<path step op>	::= OR AND NOT
<repeater exp>	::= <repeater token> <repeater token> <depth cutoff>
<repeater token>	::= + *
<depth cutoff>	::= <positive integer>
<positive integer>	::= <digit> <digit> <positive integer>
<digit>	::= 1 2 3 4 5 6 7 8 9 0

Notes:

- 1) The characters #, @, and _ are called the prefix of a path step descriptor, and their order is unimportant.
- 2) Note that <lisp-variable> must have a value parseable as a <path step descriptor>.