The objective of this thesis is to studying the recognition
of Thai printed numerals by Syntactic method. The input character
is decomposed into subpatterns, called primitives. The rules
governing the composition of primitives are specified by Tree
Grammar. The classification is based on the distance computed
between an input tree and a group of templates assigned by the
position of start point and the number of loops.

By using microcomputer of CPU 80486DX-33, the result of
recognition is 97.46 %. The average processing time is 756 msec.
per character.