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: MAJOR COMPUTER

KEY WORD: VIRTUAL DICTIONARY

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The propose of this thesis is to present the design of virtual dictionary which is used in the process of word cutting in Thai language. It isn't possible to store large amount of vocabularies in main memory, which highly affects the insertion of new words to the dictionary. Therefore, the dictionary structure organized so that it can be paged. Words from the dictionary can be retrieved by using "The Least Recently Used (LRU)" concept which only some parts of the dictionary loaded into main memory. Besides, the table of relation between characters of words and their position in main memory are also created.