

## NAIVE APPROACH

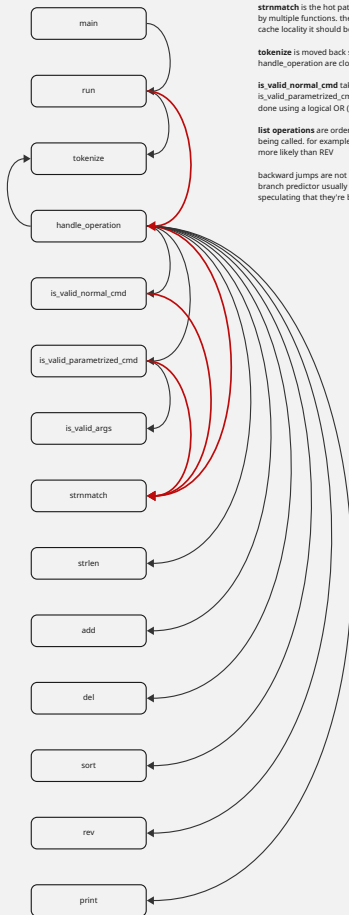
**strmatch** is the hot path, it is called multiple times by multiple functions, therefore for better instruction cache locality it should be moved in that cluster.

**tokenize** is moved back so that run and handle\_operation are closer together.

**is\_valid\_normal\_cmd** takes precedence over **is\_valid\_parametrized\_cmd** as the comparison is done using a logical OR (`||`), which short circuits.

**list operations** are ordered based on likelihood of being called, for example **ADD** is assumed to be more likely than **REV**.

backward jumps are not really a problem, in fact, the branch predictor usually predicts them as taken, speculating that they're branches.



## CACHE FRIENDLY

