

Node Graph for the Code Generator in iMops

n.s.

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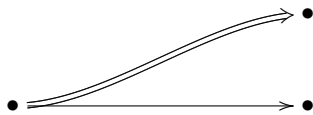
1 Forth Primitives

“ \rightarrow ” means coalescing by forward/back link (or one same node if in the same level).

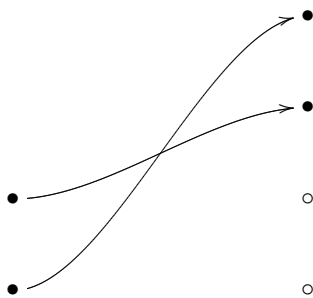
“ \Rightarrow ” means copying the value of source node to target node.

1.1 stack manipulations

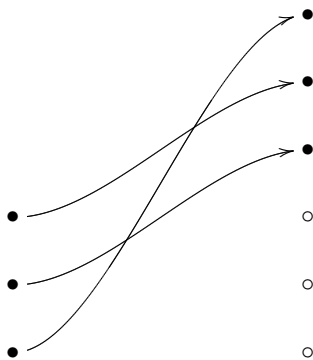
DUP



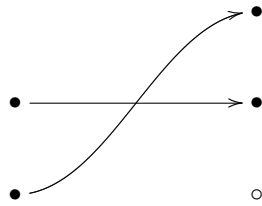
SWAP



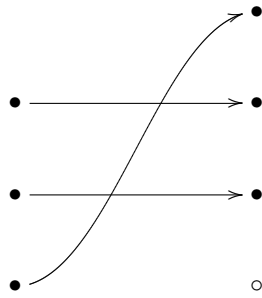
ROT



SWAP and ROT could be:



and

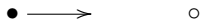


But these could not compile correct code by some mysterious reason at the early stage of iMops development. So a bit inefficient but working node allocations were adopted.

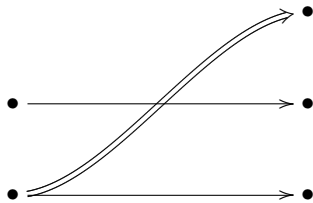
DROP



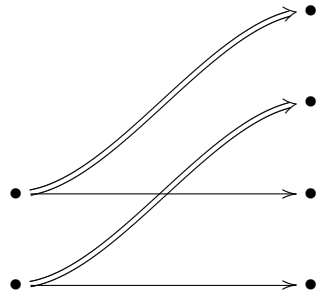
NIP



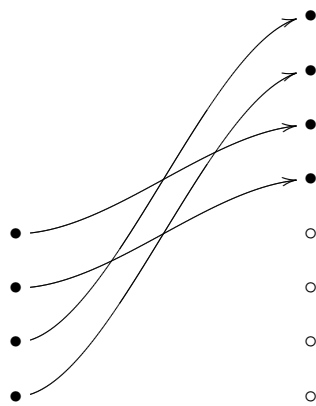
OVER



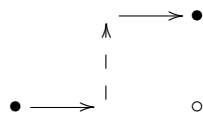
2DUP



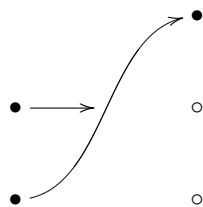
2SWAP



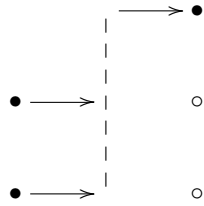
1.2 operations
MONAD OP



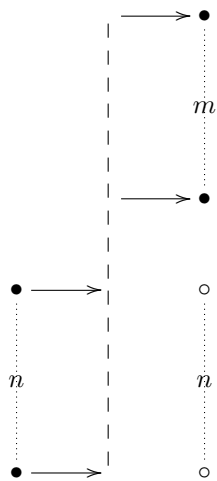
DYAD OP



Comparisons



2 n in m out Word



Between before and after an word call, stack node graph is cleared, and initialized with m input state.