STOP	stop the program
LOAD v	$stack[sp] \leftarrow v$
PUSH v	$stack[sp + 1] \leftarrow v \parallel sp \leftarrow sp + 1$
DUPL	$stack[sp + 1] \leftarrow stack[sp] \parallel sp \leftarrow sp + 1$
SWAP	$stack[sp] \leftarrow stack[sp-1] \parallel stack[sp-1] \leftarrow stack[sp]$
ROT3	$stack[sp] \leftarrow stack[sp-1] \parallel stack[sp-1] \leftarrow stack[sp-2] \parallel stack[sp-2] \leftarrow stack[sp]$
IROT3	$stack[sp] \leftarrow stack[sp-2] \parallel stack[sp-1] \leftarrow stack[sp] \parallel stack[sp-2] \leftarrow stack[sp-1]$
FST	$stack[sp] \leftarrow mem[stack[sp]]$
SND	$stack[sp] \leftarrow mem[stack[sp] + 1]$
SET_FST	$mem[stack[sp - 1]] \leftarrow stack[sp] \parallel sp \leftarrow sp - 1$
SET_SND	$mem[stack[sp - 1] + 1] \leftarrow stack[sp] \parallel sp \leftarrow sp - 1$
CONS	$mem[mc] \leftarrow stack[sp] \parallel mem[mc+1] \leftarrow stack[sp-1] \parallel stack[sp-1] \leftarrow mc \parallel mc \leftarrow mc+2 \parallel sp \leftarrow sp-1$
SPLIT	$stack[sp + 1] \leftarrow mem[stack[sp]] \parallel stack[sp] \leftarrow mem[stack[sp] + 1] \parallel sp \leftarrow sp + 1$
ADD	$stack[sp - 1] \leftarrow (stack[sp] + stack[sp - 1]) \parallel sp \leftarrow sp - 1$
SUB	$stack[sp - 1] \leftarrow (stack[sp] - stack[sp - 1]) \parallel sp \leftarrow sp - 1$
MUL	$stack[sp - 1] \leftarrow (stack[sp] \times stack[sp - 1]) \parallel sp \leftarrow sp - 1$
EQ	$stack[sp - 1] \leftarrow (stack[sp] = stack[sp - 1]) \parallel sp \leftarrow sp - 1$
LT	$stack[sp - 1] \leftarrow (stack[sp] < stack[sp - 1]) \parallel sp \leftarrow sp - 1$
CALL	$stack[sp] \leftarrow stack[sp-1] \parallel stack[sp-1] \leftarrow pc + 1 \parallel pc \leftarrow stack[sp]$
RETURN	$pc \leftarrow stack[sp-1] \parallel stack[sp-1] \leftarrow stack[sp] \parallel sp \leftarrow sp-1$
BRANCH @1 @2	$stack[sp] \leftarrow if \ stack[sp] \ then @1 \ else @2$
JUMP @	$pc \leftarrow @$