

-- FOpTable.mesa edited by Sweet, June 21, 1978 9:15 PM

DIRECTORY

P5ADefs: FROM "p5adefs";

FOpTable: PROGRAM EXPORTS P5ADefs =
BEGIN

-- generated by OpDefsGenerator 21-Jun-78 21:12

Q: TYPE = PRIVATE RECORD [
push: [0..3], pop: [0..7], length: [0..3], mark: BOOLEAN];
T: BOOLEAN = TRUE; F: BOOLEAN = FALSE;

OpParams: PRIVATE ARRAY [0..256) OF Q = [
-- NOOP
Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F],
-- LG SG LL SL
Q[1,0,1,F], Q[0,1,1,F], Q[1,0,1,F], Q[0,1,1,F],
-- LI LGD SGD LLD
Q[1,0,1,F], Q[2,0,1,F], Q[0,2,1,F], Q[2,0,1,F],
-- SLD R W RF
Q[0,2,1,F], Q[1,1,1,F], Q[0,2,1,F], Q[1,1,2,F],
-- WF RD WD RSTR
Q[0,2,2,F], Q[2,1,1,F], Q[0,3,1,F], Q[1,2,1,F],
-- WSTR RXL WXL RXG
Q[0,3,1,F], Q[1,1,2,F], Q[0,2,2,F], Q[1,1,2,F],
-- WXG RIG RIL WS
Q[0,2,2,F], Q[1,0,2,F], Q[1,0,2,F], Q[0,2,1,F],
-- WSF WSD RILF WIG
Q[0,2,2,F], Q[0,3,1,F], Q[1,0,3,F], Q[0,1,2,F],
-- WIL RII RIL PS
Q[0,1,2,F], Q[1,1,2,F], Q[1,1,2,F], Q[1,2,1,F],
-- PSD PSF PL
Q[1,3,1,F], Q[1,2,2,F], Q[1,1,1,F], Q[0,0,0,F],
--
Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F],
--
Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F],
--
Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F],
--
Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F],
--
Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F],
--
Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F], Q[0,0,0,F],
-- ADD SUB MUL DIV
Q[1,2,0,F], Q[1,2,0,F], Q[1,2,0,F], Q[1,2,0,F],
-- LDIV SDIV NEG AND
Q[1,3,0,F], Q[1,2,0,F], Q[1,1,0,F], Q[1,2,0,F],
-- OR XOR SHIFT PUSH
Q[1,2,0,F], Q[1,2,0,F], Q[1,2,0,F], Q[1,0,0,F],
-- POP EXCH CATCH EFC
Q[0,1,0,F], Q[2,2,0,F], Q[0,0,1,F], Q[0,0,1,F],
-- LFC SFC RET PORTO
Q[0,0,1,F], Q[0,1,0,F], Q[0,0,0,F], Q[0,1,0,F],
-- PORTI KFCB BLT ALLOC
Q[0,0,0,F], Q[0,0,1,F], Q[0,3,0,T], Q[1,1,0,F],
-- FREE STOP LLK
Q[0,1,0,F], Q[0,0,0,F], Q[1,0,1,F], Q[0,0,0,F],
-- BITBLT STARTIO DST LST
Q[0,1,0,T], Q[0,1,0,F], Q[0,0,1,F], Q[0,0,1,F],
-- LSTF WR RR BRK
Q[0,0,1,F], Q[0,1,1,F], Q[1,0,1,F], Q[0,0,0,F],
-- BLTR LINKB DESCB DESCBS
Q[0,3,0,T], Q[0,1,1,F], Q[1,0,1,F], Q[1,1,1,F],
-- FDESCBS MAX MIN UMAX
Q[0,1,1,F], Q[1,2,0,F], Q[1,2,0,F], Q[1,2,0,F],
-- UMIN STFORB STFORW ENDFOR
Q[1,2,0,F], Q[0,2,1,F], Q[0,2,1,F], Q[0,0,0,F],
-- UENDFOR GADRB LADRB DEC
Q[0,0,0,F], Q[1,0,1,F], Q[1,0,1,F], Q[1,1,0,F],
-- INC DUP J JDREL
Q[1,1,0,F], Q[2,1,0,F], Q[0,0,0,F], Q[0,4,0,T],
-- JREL ADD2 ADDSB DBL

END;

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NumberOfParams: PUBLIC PROCEDURE [b: [0..256)] RETURNS [[0..3]] =  
  BEGIN  
    RETURN[OpParms[b].length]  
  END;
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MinimalStack: PUBLIC PROCEDURE [b: [0..256)] RETURNS [BOOLEAN] =  
  BEGIN  
    RETURN[OpParms[b].mark]  
  END;
```

END.