LRBRAK

(

$(M=2) \wedge (LASTDL =) |])$?

yes → FAIL 61

no → DECTYP ?

array → $(E=1) \wedge (PROC = 0)$?

yes → FAIL 61

no → M ?

1 → MONE   page 2

0 → MZZ

TS ?

other

(proc1

TS := (proc2
E := 0

STACK [(, PROC]

PROC := 0

OUT

other → FAIL 82

IGNORE

discard up to
and including)
having regard
to inner strings
DELIM := LASTDL

NT

IGNORE

0 → M ?

MZ

1 → include checks ?

yes → NT

no → identifier = CHECKS ?

yes → IGNORE

no → identifier = CHECKI ?

yes → E := M := 0

MZ

EXP (3)

$(MREAD = 1) \vee (MPRINT = 1)$?

yes → EXPRES := -1

MZZ

no → NT

DECSTA := /0 0

EXP (1)

MONE page 2

CHECKR   (proc1 = /2 4096
CHECKI
CHECKB   (proc2 = /2 5120

checks included if
OPTION 4 bit
present

LRBRAK
contd

(MONE)

EXPTYP = switch or label
?

yes → FAIL 62

no → SEARCH (0)

DECTYP
?

array → C'BN = FBN ?

yes → FAIL 41

no →

other →

type [I] = type procedure
?

no →

yes → E := 0

type [I] is special?

(E=1) ∨ (((MREAD=1) ∨ (MPRINT=1)) ∧ (LASTDL = mread | print | ,))
?

no → FAIL 25

yes →

yes →
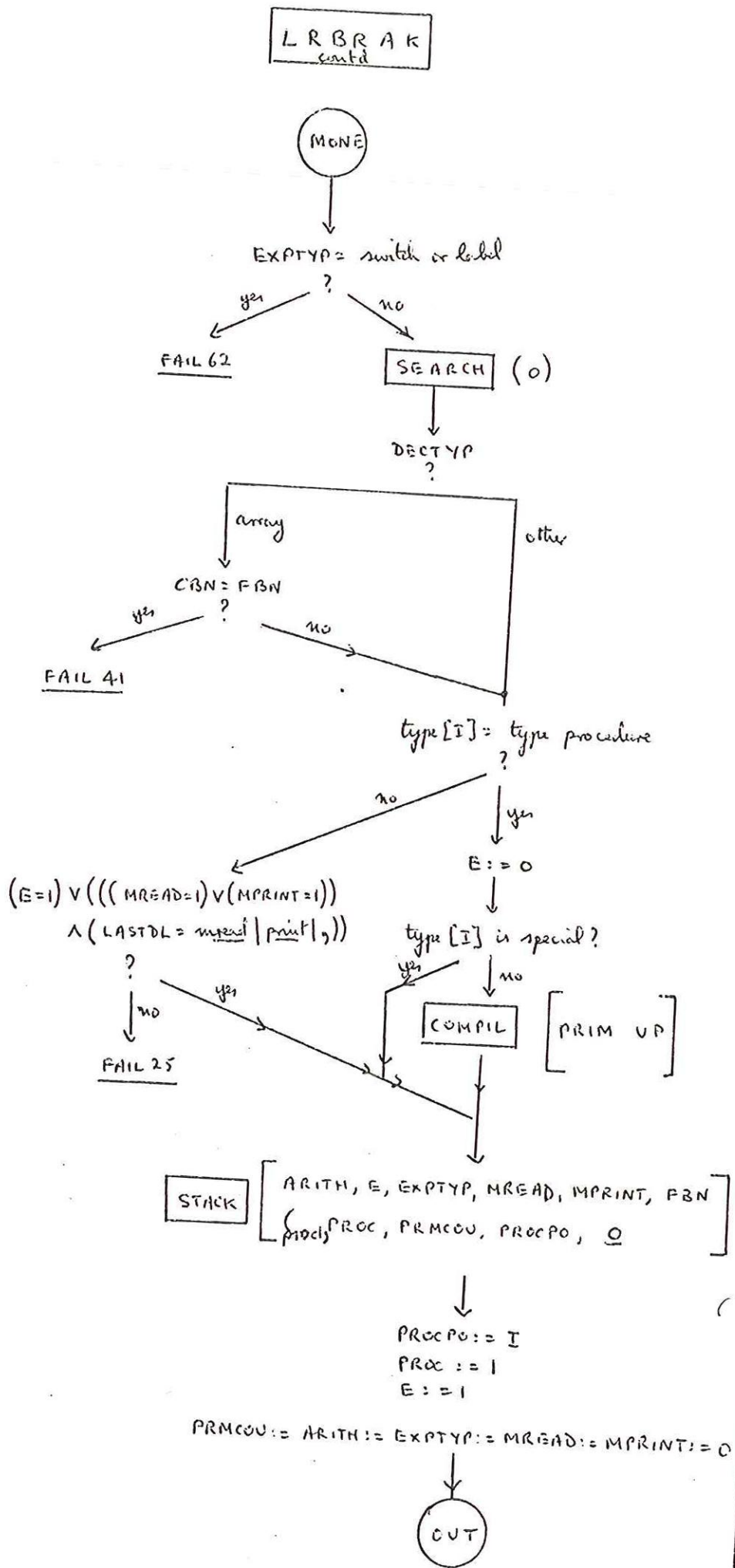
no → COMPIL

[PRIM UP]

special means compilable as a PRIM and suppress PRIM UP

STACK [ARITH, E, EXPTYP, MREAD, MPRINT, FBN]
       [(proc) PROC, PRMCOU, PROCPO, O]

(proc1 is /2 4096

PROCPO := I
PROC := 1
E := 1

PRMCOU := ARITH := EXPTYP := MREAD := MPRINT := 0

(CUT)

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