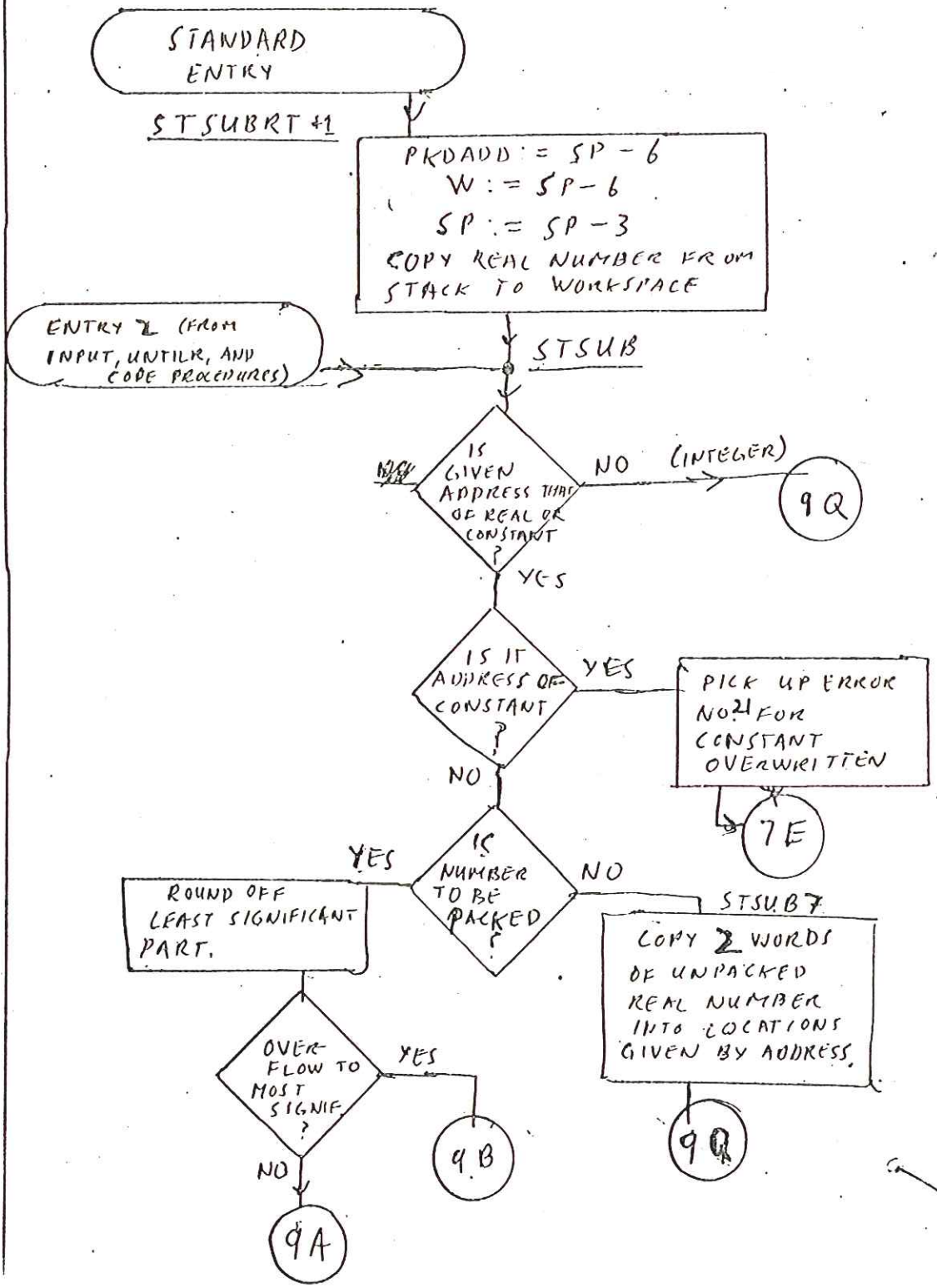
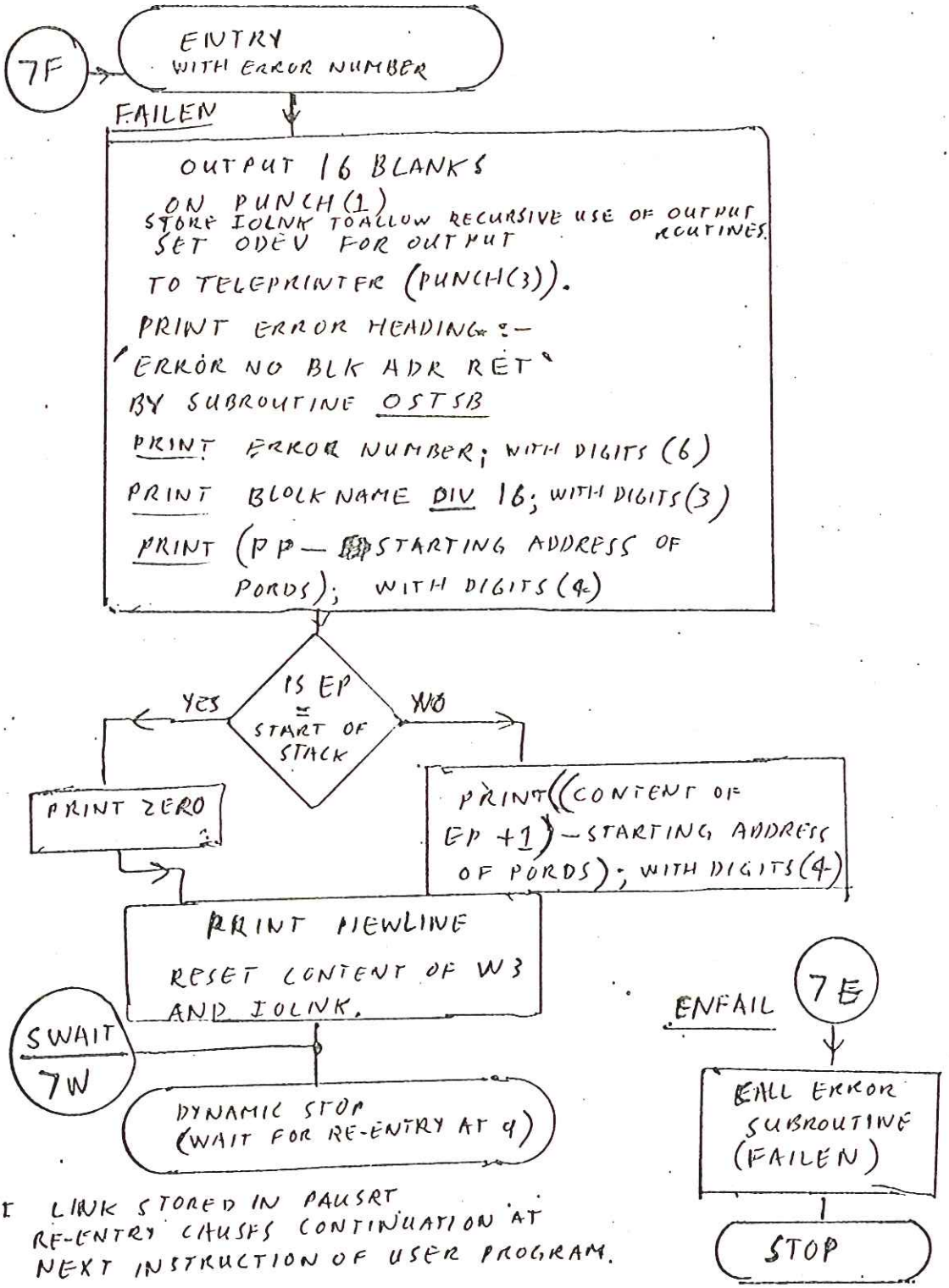
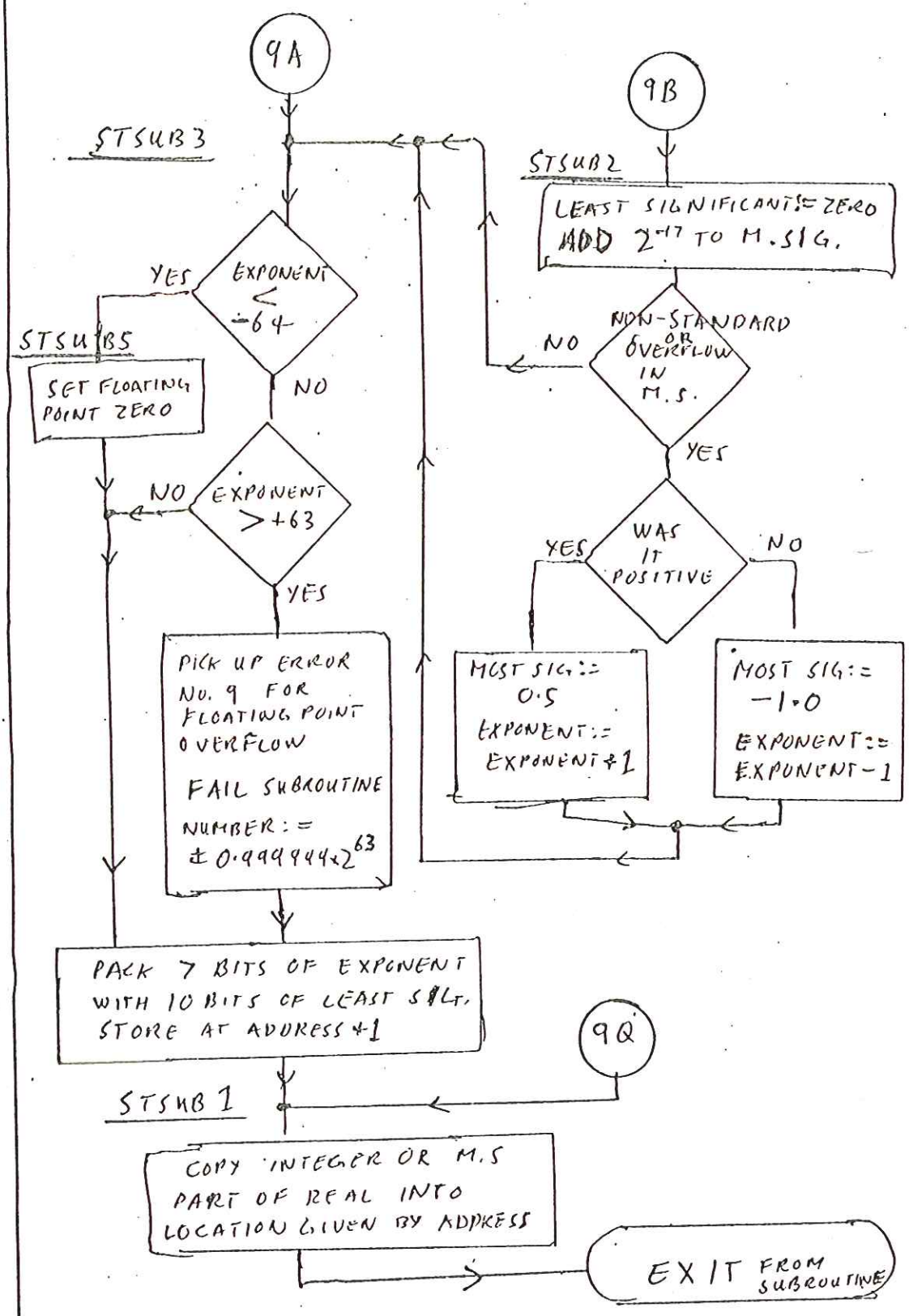
ASSIGNE Subroutine



FAIL Subroutine (FAILEN)



SUBRT LINK STORED IN PAUSRT
RE-ENTRY CAUSES CONTINUATION AT NEXT INSTRUCTION OF USER PROGRAM.


9A
9B
STSUB3
STSUB2
LEAST SIGNIFICANT := ZERO
ADD 2^{-17} TO M.SIG.
YES
EXPONENT < -64
NON-STANDARD OR OVERFLOW IN M.S.
NO
YES
STSUB5
SET FLOATING POINT ZERO
NO
NO
EXPONENT > +63
YES
WAS IT POSITIVE
YES
NO
PICK UP ERROR No. 9 FOR FLOATING POINT OVERFLOW
FAIL SUBROUTINE NUMBER := $\pm 0.999999 \times 2^{63}$
MOST SIG := 0.5
EXPONENT := EXPONENT + 1
MOST SIG := -1.0
EXPONENT := EXPONENT - 1
PACK 7 BITS OF EXPONENT WITH 10 BITS OF LEAST SIG. STORE AT ADDRESS + 1
9Q
STSUB1
COPY INTEGER OR M.S PART OF REAL INTO LOCATION GIVEN BY ADDRESS
EXIT FROM SUBROUTINE