Stop3 if sign(X) + sign(7) Complement 1/1 of 2 =6

- arely In hos 26 complementation (-x)+4 x1= Coprof X

corporabilities Mg (x) = 1 (-) } => Caylonent /2. Stop 4 Align Yn by RShff with Idl bits.)

If In was caylenented of 2 in Stop 3, while RShfling, introduce buts of 10 hito/115 mass.

! preserve thicky both: 9, 1, 5 $7n_{c2} = 0.111$ d=-2Meral = 1.101 11 0 Stop T Add the 2 nignificands -if right (d) = right (7)

-preserve Cart if generated

-if right (4) + right (4) - if no can't was generated

J => 2n is negative => it weeks to be Canylamental of 2

- if can't was generated.

>> 2n to partice => Can't is ignored

Xn = 1. 111 Mad = 1. 101 1 1 0 + 2n= \$1.100/110 Cout on to positive Stop & Prenormalisation
-according to rules from 2.4.
-according to rules from 2.4.
-according to rules from 2.4.
-checking to rules from 2.4.
-Exception checking: nor of 6th of 2c - if ze== zenex (2-2=6) and In regulars
1-bot PShift => Everylar -if to = = Penum (1) and For regrupes cart I or more both 2Shft =>. Underflow 2 = 01.100 / 1 1 00 >> Rule 2) -> 2 2 100 2= = 4 Stopt Calculato 2 and S For according to rules from ?. 4 Rule 2) -> R = g = 1 S=120= 1+0= Stop 8 Round the 27 mglo Visoo 754 rounding mode.
-according to the sounding rules from 2.4. - if rounding generates comy aut => postnormal batia Perturnament malization: to the RShifted by 1 bit

Prevarualization > exception checking (like in Sty 6)

If to = = terrax (=6) and In requires 1-4-18hft

>> Overlan - Counder the nound to went wer mode. if (Rad (Sa Fon)) the Front 1 2=1, S=1, 20n=0. lo(S+80m) = 1. (1+0) = 1 = 8 my+1 m= 1.100 + Stop 9 Carulate right of result. $-if \operatorname{nign}(X) = 2 \operatorname{nigh}(Y) = 3 \operatorname{nign}(X) = \operatorname{nign}(X)$ $-if \operatorname{nign}(X) = 2 \operatorname{nigh}(Y) = 3 \operatorname{nigh}(X) = \operatorname{nigh}(X)$ $-if \operatorname{nigh}(X) = 2 \operatorname{nigh}(Y) = 3 \operatorname{nigh}(X) = 3 \operatorname{nigh}(X)$ Swap (cuylement rign(+) rign(4) rign(7)

YES

+

+

+

+

+

TES YE>Xo YES NO YES XOZZE NO YES NO NO NO NO mgm (2) = mgu (4) she fare the swap Surp (Stop ?): YES => Stop to Night (2) = 1/1-171001011 NEWS) 25

Very the remet. X= 0.2656 4=-3.20 X+7=-3.1875 (infinite regime) 13.110103.11011 20=100=4 $300=2^{2-1}=3$ 2: [11/0/01/1] Re = 100=4 2=(-1) mgn 2 2e-bids. 4(1.2") = (-1) × 24-3× (1.10/2)= -2×1.10/2, 11.01a, = -3.25 -3.25 -3.125 -11.001 -3.00 (-3.1875) Derign of the prenormalization differ covers Sop 6 and Sop + - pevely continuational. From Stop S Output of Stop 6 and Stop 7 1. 22m 71m 20m / 2 S



