1 (h-1)'s complement of Complement makes ( Diminish long of Subdeautions Easy (h-1)'s comp = (h7-1)-N for Subges u = (hm-h-m-N) forfraution where is to z Rachix/Base n= number of depits InInteger [sur 1/2] tras N= Adaial Mumber Raclix m2. number of digits in fractinal Example 8 (7543) (2-17) & Comp. | \* demis 2 (2-1)-N h's 1 (2-1)'s B? E3 1's 2 (104-1)-7543 D 103 93 2 (10000-1) -7543 0 83 73 2 9999 -7593 H 163 154 = (2456) 9'scomp

ample (2) fraction (0.763), Calculate 9's Complement Calculate (2-1) = (kn - pm) - N = (10° - 16-B) - 0.763 2(h - h - M - N) 2(1020-10-20-085.25 2 1 - pacol -0.763 2 100 -1 - 25.25 21-0.762 26-236) 2 (74.74)

How To Calculate (1-1)'s Short Cab 915 710 153 13 (2222) 3 (PQRS) (4444) 10 (XXXX)2 PARS 7777 XXXX HANAY
9999 - XXXX \*277 F20 BAE 'krample (2057.34) (7543) PRO.3 AZ <del>(7543)</del>,0 7777-77 (1011)2 9999 2057.34 -7543 1111 5720.43 O.DR.C5 -1011 2456

rample: fraction (4-1)'s complement's (G2a) One method is to use (2-1), 2 (2m-12-m/2) ignore Racher Point (Morris) method & 1 Example 2 Example (1) 25.25 = 2525 (0.763) talee (n-1) 3 comp (763) 2(104-1) € 2525 z (103-1) - XC763) 2 (10000-1) - 2525 2 (000-1)-763 z 9999-2525 2 999-763 274,74 Greplanept 2(0.236) hoplanting Point

R's Complements he Raches 3= hn - M N= Postive# no 2 number of digits. (5555): Examples Calculate (r-1) s long 2 (104-5555) = (10000-55555) = 4445 1025 long of (76034) Otherway 10-129 Teample 2 ( hn - h-m - N+D) 10-228 10-3=7 z (10<sup>2</sup> - 10<sup>-2</sup> - 76.34+1) 10-426 2 100 - 1 - 76.34(1) 10-525 2 23.66 Otherways 76.34 (111) 1101 calculate 2/5/00/1) 7 23.65 + 0.001 2 (16)10-110/2 2 10000-1101 9999 76.34 2(0001) 2's comp [ 02] 1111 23.65 23.66 OOVI

16's complements (F21.3 AE);6 CPF & PPF Use Snort cut method ODE & CSI des complemenz (P-1)3 + 1 ODE . C52 2(ODE. C52)<sub>16</sub> 2'scomp Ds Comp : 205.7-34 82% 7777077 2057.342 5720.44 205734 572043 5720.44

Minuenel M 5 Substresend 8 Estart Pad O's to Make M 48 equal Parie (&-1) 1s complemente of \$ Sum (k-1)30+1 Rarig N Achel 1 tolsis Subtraction Using (XI)'s Complement

pg 6 Example: 76532-4250 Using 9's complement 1) forst fact gero's 04250 99999 (2) Taleing (2-1)'s comp 042,50 95449 8: W 76532 W 95749 Cheele 76532 4 72081 corry 7+1 4250 72288 72082 Example & along 120 comp (4) No carry 01010 - 1.1011,
Belief. 2 3) ON10
afain &-1)3 (2) h-13 comp 00/0D - 10001 (8) Sum + 01010 8 0/0/0

Subtlaution Using Ke Compleme 17 'Hart Minueral & M Packing O Subtraced + 6 Finel r's Comp Sum Sun 2 Cr's CompodS. Cally. Discare Caesy -> result 5554 5554 bioling 5520 9999 0634 9965 9966

