

OperationConversion-Deconversion

$$\pm A_{10} \times 10^{\pm B} \Rightarrow \pm p_2 \times 2^{\pm q}$$

CON

Use

a) Calling Linkage

L	:	100 B	L+2	3ff	35f
L + 1	:	000 5	—	—	360
L + 2	:	000 0	[N ₁ [	[N _L [	β

[N₁[= address of first number
to be converted[N_L[= address of last number
to be converted

b) Adaptation Link Word

0 for CON
2 for DECON

c) Storage

J = _____ words
k = _____ orders
_____ constants

DEAD STORAGE
360 to 3bc

NOTE → 12 opstos: 354 to 35f

Requirements and Performance

a) Method of operation

Floating point

b) Additional routines required

None. (Must not be in TAIR)

c) Range and form of variable

Floating point

|B| ≤ 76 |q| ≤ 255

d) Accuracy

CON — 33 bits

DECON — 11 in 10th digit

e) Performance time

CON — about 2.3 sec/number

DECON — about 4.1 sec/number

307 1 234 567 890

sign of exp 0001 0111 1011 --- --- 0101