

Feb 4, 1959

Meeting Math. Planning Group

Sweeney

Carson

Hoyt

Bill Woods.

Kelley

Wells

Walters

Johnston

Lozano

Frank

1. Pictures of machine
2. additional I/O equipment - for making plans.

(Lozano) uncertain as to I/O now
contract implies 729 II.

3. Test prob. when?

June

aug - system test

Nov - disk

"imperfect machine - incomplete (not full mems).

Dec [maybe 1/2 shift] per day. on 4 have

shaky intermittent in worst

partial machine can be lined with.

→ one month in LASL to get reassembled

however ~~the~~ Debugging time will be squeezed out to make delivery.

question of 704 time in Pough. (709?)

- Training Period =
Pough. or LASL

- on advanced programmers course in Pough. -- ?
1 week in May or earlier.

Tape's

8 per tape adapter

- may have 2 switches on some tape (control and.)

console.

2nd day

Feb 5, '59

LASL

question:

exponent underflow
lost carry, ... etc.

important case not
to loose all of overlap.

— interrupt does it
drain look ahead?
one instr. fixup - ?

my

or 5-10000 ← is sufficient

would want up at all 11111's

to ~~store~~

& clear notation to all 00's & leave sign.

to memory ops?

— must be same

[or mode on exp. underflow -
= "allow", "not allow"

— on Monic II

→ ask about testing if acc. is zero before start. skip

my - - - -

question - residue in index address or how is checked?

divide: zero/zero no interrupt,

can't test on div interchange,

→ Does accumulator change on zero/zero?

can test then
mem -- { no not
physically
changed

Half microacc. mem

(Bart) - would rather have larger Mem 2 μ s. ^{do not really} fast anymore

(Frank) wants $\frac{1}{2}$ μ s mem -

Jim - doesn't have optimized codes -

- doesn't represent actual machines.

(Roger) - $\frac{1}{2}$ μ s mem. is valuable - could be put on another machine later.

- can get 2 μ s mem later anyway -

(Frank) additional mem. size not so important already adequate

(Bart) large mem has some lat in ~~exp~~ mult. proc.

(Roger) - rights to $\frac{1}{2}$ μ s mem is traded for money & mem.

- would like to see comparisons of other deals.

{ if it is only 5% effect - should prop.
but not convinced it is only 5%.

factor of 2 would be worth while, to keep.

Table look up - late & code in fact mem? -----

AU ~~time~~ time up 50%

FM time " 50% or more.

Lifetime ~ 5 years modifications in interim?

complete cancellation - not normalized now

- geometric load
 - rename
 - progressive indexing
- } still
} stand
} should

Test beds:

- question: what is machine going to look like when?

Schedule: can't put on probs on partial machine,

- a series of probs.

- some as copies of 704 - exact duplicate.

4 probs to test overall performance

some linguistic types - odd seq. with & without interrupts.

- bit patterns,

to check that machine operates as expected.

→ no classified problems.

(Bapt)

}	2	1-lin codes	}	neutron diffusion single precision f.p., diode
	1	2-dim code		
	1	3-dim code		

Problem suitable for new release --- ?

auto codes	ff pt. balanced	Henre - (Logans + Woods)	diagnostics	Committee (B. Frank)
	"	Circe - (T-5)	Belch	(B. Frank)
uncom f.p. (some VFL) speed.		Monte Carlo - (B. Woods)	I/O Math Subroutines	(T-1)

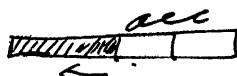
total no. of machine hours, needed ?

if machine is running 100 hrs should be ample.

200-300 hrs.

--- unattended operation — 24-36 hour blocks. ~

VFL compare field command two types ? -



on ~~acc~~ field only as well as on all acc. ?

→ check into this

Noisy mode :

→ ~~diff~~: get zero matrix indicator on complete cancellation

check on how this zero is tested.

Objectives: (1) ^{log₂n} not soon enough warning.

(2) not introducing statistical noise
Bgt wants less warning

100.11
100.11
101.11
101.11

— a rounding type procedure.

7m bits propagation.

at on adds only is 0.11

may be on one spot. in calc, — may insert twice ? not possible.