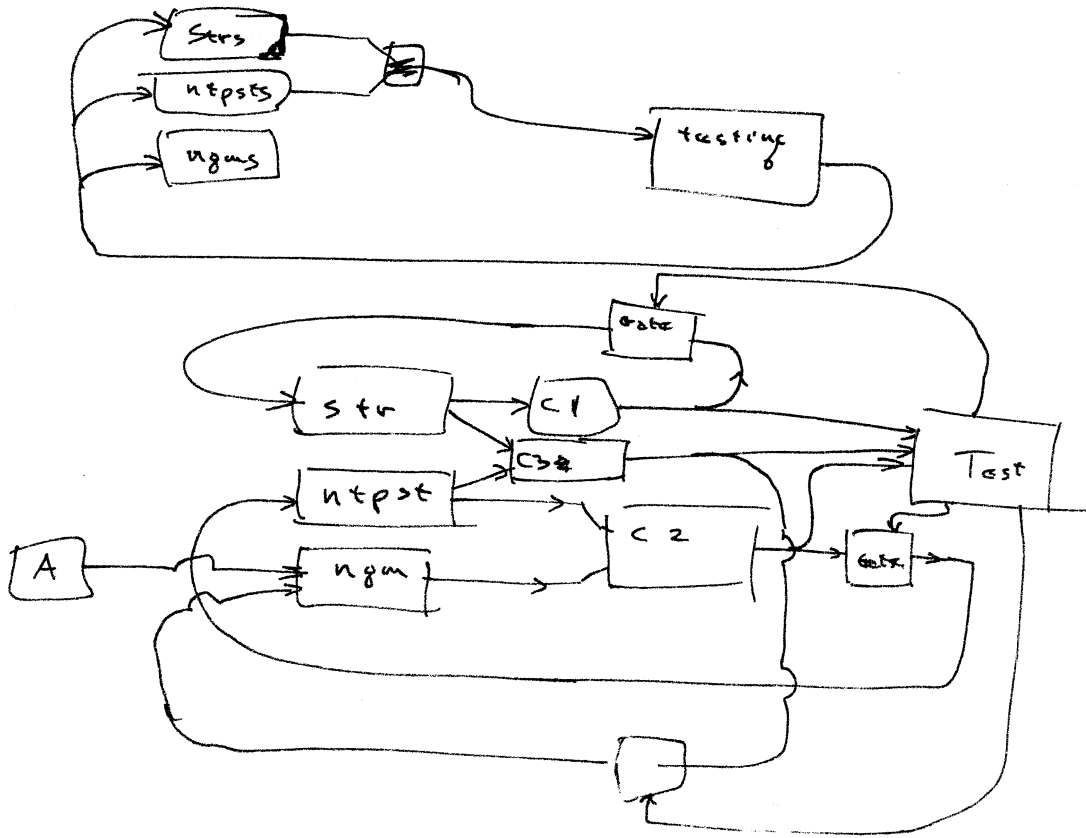


What color are ~~A~~? A and B



SN'S

The business of counting:

E.G. world T.M. recognizes that if

~~1~~ 1 is good

1 B " "

1 B B " "

1 B B B " "

that 1 B B B B " " is likely to be good?

This is a concept of "number"

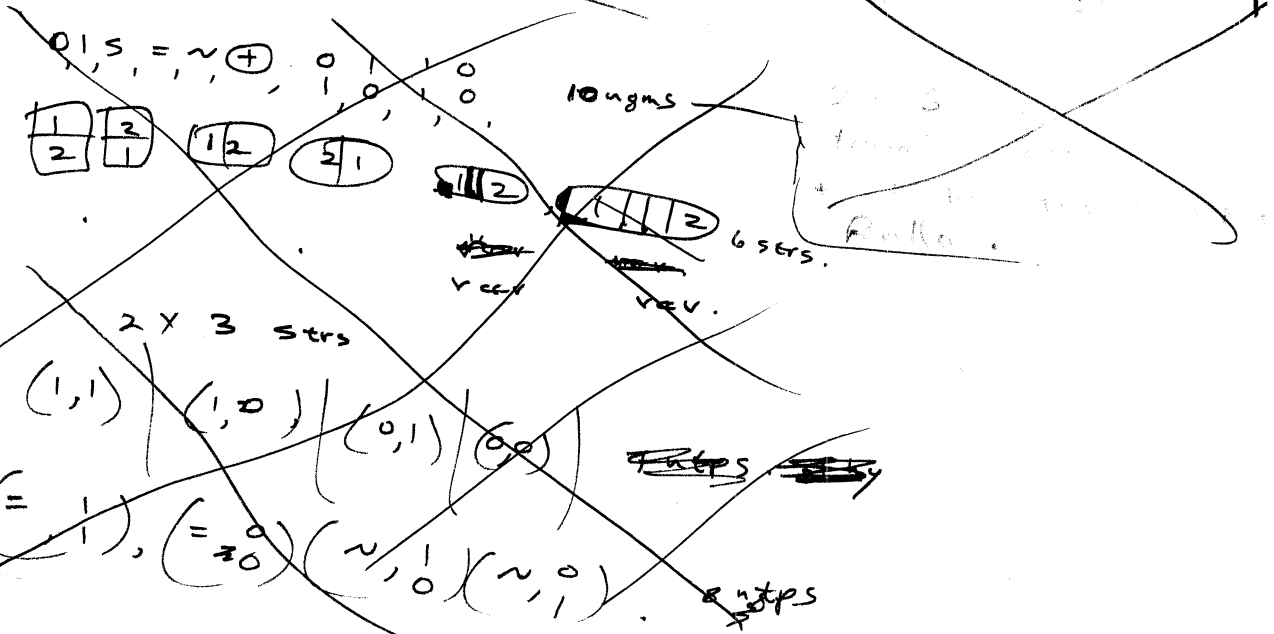
It may be that this is possible to do, by

Making a language to describe the procedure by which one gets the new abs. from the old. One may do this. i.e. One can look upon certain

expressions in this language as being useful in obtaining new expressions of by arip.

Then one makes a new T.M. (or perhaps the same one) and gives it the hyper order problem of deriving ~~useful~~ expressions in this lang. that will probably be useful in describing how to get new nouns from old.

If one uses the same T.M. for this hyper order T.M., the lang., the meta lang, and the meta-meta lang ... etc. become all mixed up into one lang. This is bad, from a rigorous logical point of view, but is probably fine, in the sense of copying man's mental processes, and realizing all degrees of meta-ality in a single language.



2A b ~~BA~~ B₂

~~A b~~

~~2A B b A₂~~

~~A b~~

~~2A B b~~

to

1	1	
10	2	
11	3	
100	4	2
101	5	2.2
110	6	2.4
111	7	2.7
1000	8	3

1 1/4

1 1/2

1 3/4

2

$2^0 = 1.2$

$2^{1/2} = 1.414$

$2^{3/4} = 1.7$

$2^1 = 2$

$2^{3/2} = \sqrt{8} = 2\sqrt{2} =$

2.83

$2^{1/4} = \sqrt{1.4} \approx 1.2$

$2^{3/4} = \sqrt[4]{8}$

$= \sqrt{2.828}$

1.72

1.352 96 17

17

256

32

288