AIT question

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Does AIT have a measurement like this?

I = *the complete input to the program that will be necessary for the entire program to run*
i = *the part of the input that has been necessary so far*
P = *the part of the program that will be necessary for the entire program to run*
p = *the part of the program that has run so far*
O = *the complete output from the program when the program has ended*
o = *the part of the output that has been produced so far*
c = *compression*

$$m = \frac{c(o)}{c(i+p)}$$

It seems like it would; if it doesn't, it should.

Specifically, i and I are not all the input that has been read. Each is all the input whose existence was necessary such that {what was read} *could* be read.

One would graph m over the program run (as $i \rightarrow I, p \rightarrow P, o \rightarrow O$), and that would give a certain type of signature over and above just calculating $M = \frac{c(O)}{c(I+P)}$.