

Selmer's Searlean Argument

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October 11, 2001

It should be uncontroversial that

- (2) If Strong AI will succeed, there are R-programs P_1, \dots, P_n and inputs I_1, \dots, I_r to these programs, such that when these programs run on a Register machine M with these inputs, M understands Chinese.

It follows from this proposition and

- (4) It's not the case that there are R-programs programs P_1, \dots, P_n and inputs I_1, \dots, I_r to these programs, such that when these programs run on Jonah's R-machine M_J with these inputs, M_J understands Chinese.

by *modus tollens* that Strong AI won't succeed. Now some may find (4) in and of itself plausible, but most will demand justification for this proposition. I believe I have a formidable justification; it runs as follows. It seems to me that

- (★) $\neg(4) \rightarrow$ Jonah understands Chinese,

i.e., spelled out:

- (★) If there are R-programs programs P_1, \dots, P_n and inputs I_1, \dots, I_r to these programs, such

that when these programs run on Jonah's R-machine M_J with these inputs, M_J understands Chinese, then Jonah understands Chinese.

And furthermore it seems to me that

(\star') Jonah doesn't understand Chinese.

Proposition (\star') is the result of a little sub-argument, viz.,

(\mathbf{L}^*) If an agent s understands two natural languages L_0 and L_1 , then s can (perhaps with considerable effort) translate between L_0 and L_1 .

Since Jonah by hypothesis understands English, and since Jonah can't translate between English and Chinese, it follows that Jonah does not understand Chinese, that is that (\star') is the case.

And of course, (\star') and (\star), by *modus tollens* and double negation, entail (4), and (4) is what is needed to make the argument against "Strong" AI go through.