

## Assignment #8: The GRW theory. (Due 4/11)

1. **(2 points)** Towards the end of chapter 5, Albert writes, “But of course if it were to emerge, after all this, that *BA* and *BB* do not differ in precisely that way, if it were to emerge that they differ only in ways other than that, then the game would be over; then (that is) we would be absolutely out of stages.” Explain, succinctly and in your own words, what the potential problem is for the GRW theory that Albert is raising here. Do this in, oh, say, about a page.
2. **(1 point)** Suppose that the two states *BA* and *BB* in fact *do not* differ “in precisely that way”. But suppose, further, that the agent has the following psychological/behavioral dispositions: If she is ever in brain state *BA*, she will promptly raise her **right** hand. If she is ever in brain state *BB*, she will promptly raise her **left** hand. According to the GRW theory, what must therefore happen in the case that Albert is describing (where, remember, we are assuming that *BA* and *BB* do not differ in “that” way)? Answer this question in, let’s see, a paragraph. That’s all it should take.
3. **(4 points)** Does your answer to the last question suggest that, in fact, the game would *not* be over, even in “*BA* and *BB* do not differ in precisely that way”? (Hint: Yeah, it does. At least, if you answered the last question correctly.) Explain. Would the resulting position be too crazy to be believable? Answer this question in however long it takes.