1. It is possible. Suppose a computer program and a copied one, than the copied one implements excactly the same with original one.
2. I don’t know. Even if I can can prove taht agent program can do some agent function, I can’t prove that agent program can’t do specific agent function.
3. Yes, it does. As the logical circuit always puts the same output, the fixed machine architecture, which are basically set of logical circuits, implements the same.
4. There are n^2 different possible agents. This is because each one bit multifly by two, one is 0 and the other is 1.
5. It changes or doesn’t change the agent function. When the agent function is independent with spped, it doesn’t change the agent function. Or when the agenet function is dependent, such as the agent program include the time as input, it changes the agent function.