The halting problem of Turing is nonsense. Programs are divided into three categories. They are programs which necessary halt, contingently halt and necessary do not halt.

I assume that it is possible to discriminate programs which necessary halt from the others. I think about a program. It does not halt if the input is a program which necessary halts. It halts if the input is not such a program.

The program will halt if the input is the self. It is not contradiction.