

Halted - Rick Yanhao Zhao (yz2md)

It's a simple song around the halting problem and the solution came up by Alan Turing
Sing to the tune of Pieces by Sum 41

I tried to compute it
But nothing was working
It isn't possible to decide
I thought it'd be easy
Just yes or no, clearly
But the time is running out

If you believe it's gonna halt
What if the input is the machine itself
Then you say it keeps going on
Again and again it just stops
It's nothing but a paradox

I've reached a dead-end
My thoughts are conflicted
There's no way going forward
All answers are rejected
I could only suspect it
That our assumption wasn't legit

If you believe it's going to halt
What if the input is the machine itself
Then you say it keeps going on
Again and again it just stops
It's nothing but a paradox

A paradox

I tried to compute it
But nothing was working
Cuz I assumed the wrong prereq
The problem's never solvable
It is only logical
That no program can decide if it halts

If you believe it's going to halt
What if the input is the machine itself
Then you say it keeps going on
Again and again it just stops
It's nothing but a paradox