

Re: Turing Machine to Train Sets Converter

Source: <http://sci.tech-archive.net/Archive/sci.logic/2004-10/1183.html>

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Alex Vinokur wrote:

- > *Could you give some information about Chalcraft Train Sets according to article*
- > *D.A. Chalcraft and M.T. Greene. Train sets. Eureka, 53:5--12, 1994 ?*
- >
- > *Could you also give some example how your program works?*
- > *What is input (with simple sample)?*
- > *What is output?*
- > *What is computational process?*
- >
- > *Thanks,*

Hi Alex,

in the Zipfile there is a file Demo.tm which demonstrate the transformation. The Output is a *.pgm File which could be shown with many picture viewers.

There is also a help fail about the different functional rails used (e.g. Lazy switch, Sprung and FlipFlop).

Demo.tm:

```
# First State, Tape position to begin
(1,1)
# the Tape (only two symbols: t:true, f:false)
(fft)
# transitionen
# (actual State, read symbol,next state,write,move direction)
(1,t,1,f,L) (1,f,1,f,R)
(2,t,3,t,R) (2,f,2,f,L)
(3,t,3,t,R) (3,f,2,f,L)
```

The Converter itself doesn't make any computation itself it only transforms it to the line section.

I hope this will help a little bit.

André Betz

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