

<Who attend which lecture?>

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                                March
                                01 01 02 02 03 03 05 05 06 06 07 07 09 09 10 10 12 12 13 13 14 15 15 16
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Raman Haivaronski   o  o  o  o  o  o  -  -  o  o  o  o  o  o  o  o  o  o  o  o  (-) o  E  2 -> OK
Andrei Behel        o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  x  n -> OK
Dmitry Khilkovich  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  a  d -> OK
Valentine Ezgu     -  -  o  o  -  -  -  -  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  m   -> OK
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- 03/01 (i) What is Finite State Automaton? (ii) An example of obstacle avoiding in a grid-world (iii) Application to a bending machine and language
- 03/02 (i) Regular grammar & FSA (ii) Context free grammar & Push Down Automaton (PDA)
- 03/03 Context sensitive grammar & Linear bounded automaton (LBA)
- 03/05 Free grammar & Turing Machine (TM)
- 03/06 1D Cell automaton
- 03/07 Conway's Life game
- 03/09 Free grammar & Turing Machine revisited - creation & recognition of strings  $a^n$ !
- 03/10 Recognition of Palindrome by TM
- 03/12 Toward natural language recognition by TM
- 03/13 A definition of machine intelligence & WB - programming languages to control head of TM
- 03/14 Universal Turing Machine
- 04/15 Summary & Exam
- 04/16 Exam for those who failed

<Practices>

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                                March
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Raman Haivaronski   o      o      o  Holli   o      o
Andrei Behel        o      o      o      day   o      o
Dmitry Khilkovich  o      o      o           o      o
Valentine Ezgu     -      -      o           o      o
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03/01 Create a random chromosome corresponding a state-transition-table and show its behavior!
03/02 Program FSA which recognize (i) string starting from "a" (ii)  $a^n b^n$  (iii) palindrome over {a b}
03/06 Program 1D cell automaton to display some of an initial pattern's evolution
03/08 National Holiday
03/09 Program Conway's Life game to display its animation

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03/13 Simulation of Turing Machine with Pallindrom &  $a^n b^n$