Mic-1 Simulator Demo

- .mal ⇒ micro assembly language L1 – Source
- .mic1 ⇒ micro binary language L1 – binary
- .jas ⇒ Java Assembly Source L2 – Source
- .ijvm ⇒ IJVM binary L2 – binary.

* User input must be given as hex values
0, 1, ... 9, A, B, ..., F
First left click inside the console window
and then enter input values.

review outbin – micro program.

XOR

6	0110
3	0011
	0101

① Include (append) OutBin microinstructions to asg3.mal
and test with asg3.ijvm L1 asm ⇓ asg3.mic1
Simulator

② Append interpretation code for IXOR

③ " " " for ADDD
(carry propagation from $A_L + B_L$)

Carefully read all tips for .mal file
from L1

Labels in If statements

OPC = H; if (N) goto Label1; else goto Label2
10 266 256+10 266

TOS = H + MDR; if (Z) goto Label5; else goto Label2
256+20 276

TOS = H + MDR; if (Z) goto Label5; 20 else goto Label 2 256+20 276