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JUMP ELSEIF

EE 180.1 Section: H34

Machine Problem 2

Course: BSECE V

ORG 000 ELSEIFLOOP, LOAD X **INPUT** ADD TWO STORE A STORE X **OUTPUT X**

WHILE, LOAD X JUMP CHECKELSEIF SUBT A

SKIPCOND 000 CHECKELSEIF, LOAD X JUMP END SUBT A JUMP IF **SKIPCOND 000** JUMP END

END, HALT JUMP ELSEIF

IF, LOAD X ELSE, LOAD X **SKIPCOND 400 OUTPUT X** JUMP ELSEIF JUMP ELSELOOP JUMP IFLOOP

ELSELOOP, LOAD X IFLOOP, LOAD A ADD ONE **OUTPUT A** STORE X LOAD X **OUTPUT X** ADD ONE JUMP CHECKELSE

STORE X CHECKELSE, LOAD X **OUTPUT X**

JUMP CHECKIF SUBT A **SKIPCOND 000**

CHECKIF, LOAD X SUBT A JUMP END

SKIPCOND 000 JUMP ELSELOOP JUMP END

Α, DEC 00 ELSEIF, LOAD FOUR DEC 00 Χ, SUBT X ONE, DEC 01 **SKIPCOND 800** TWO, DEC 02

FOUR, DEC 04 JUMP ELSE JUMP ELSEIFLOOP

