

BIN TO ASC

RE ← R2

RD ← 2710

CALL FIND IT

RB = +0030

STORE RB → 0006

RD ← 03E8

CALL FIND IT

RB = +0030

STORE RB → 0005

RD ← 0064

CALL FIND IT

ASCII

RB = +0030

STORE RB → 0004

RD ← 000A

CALL FIND IT

RB = +0030

STORE RB → 0003

RE = +0030

STORE RE → 0002

RETURN

FIND IT

RB ← 0000

RE ← RE - RD

YES

NO

RB = +0001

RE ← RE + RD

RETURN

COUNT = 0

SUB

< 0 RESULT
∴ DONE

IF NOT
KEEP GOING

RESTORE LAST
VALUE

DONE

BINARY TO ASCII (NOT OPTIMIZED)

JOHN TRAMEL CECS 460 2.28.17

INPUT: R2 HAS BINARY #
0000 - FFFF (0-65535)

OUTPUT: SCRATCH RAM (ASCII #)

6	5	4	3	2
#	#	#	#	#
10,000	1,000	100	10	1