P12)   **QUESTION:**

Write a program to find logical AND of two inputs.

LOGIC USED:

2-3 lines explanation.

PROGRAM:

```
LDA X
AND Y
STA RESULT
HLT
```

INPUTS:

```
X, HEX FF0F
Y, HEX 00FF
RESULT, HEX 0000
```

RESULT:

```
000F
```

OUTPUT:

RAM:			
Label	Address	Instruction	Hex
	000	LDA X	2004
	001	AND Y	0005
	002	STA RESULT	3006
	003	HLT	7001
X	004	HEX FF0F	FF0F
Y	005	HEX 00FF	00FF
RESULT	006		000F