

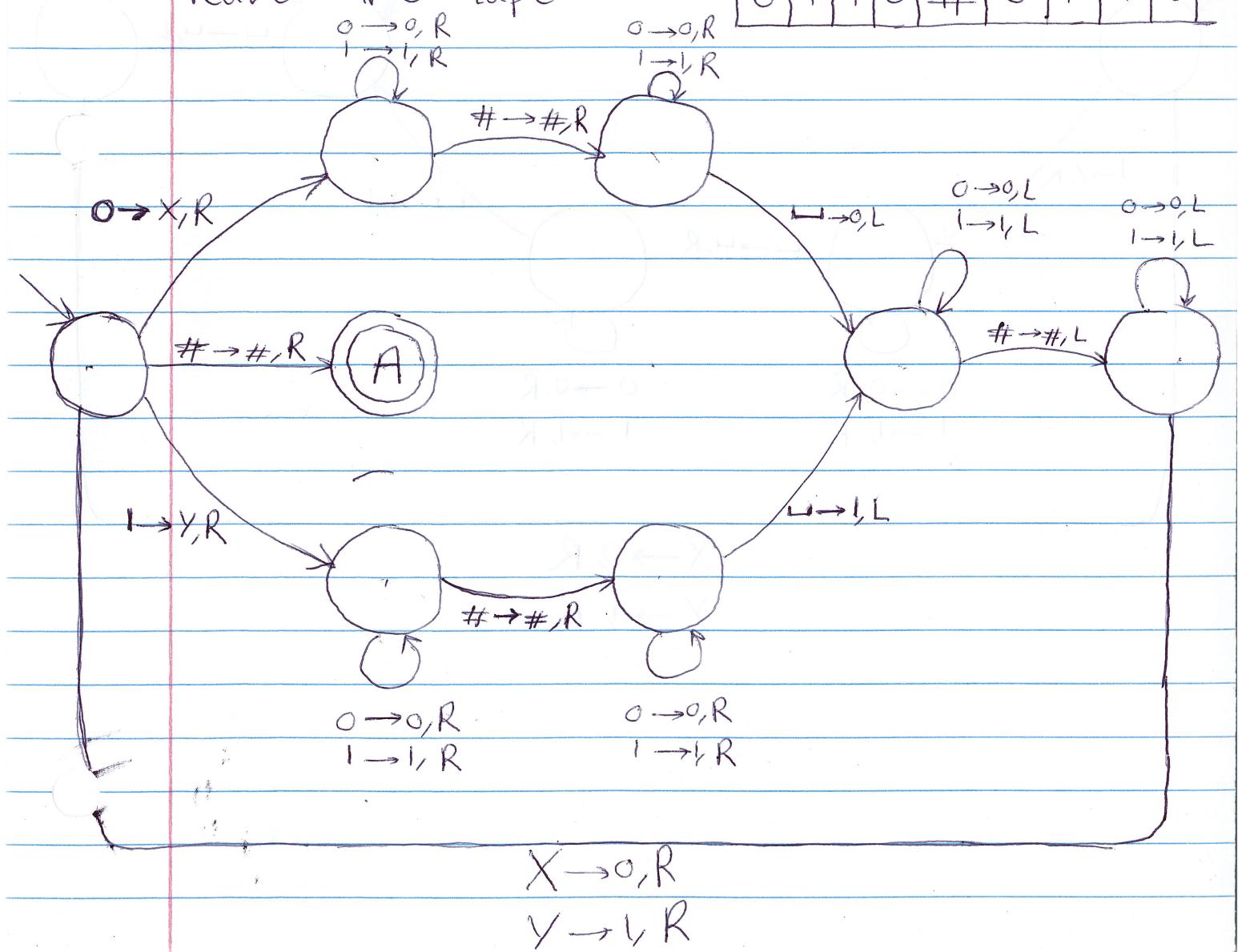
① Example of a TM:

A TM that accepts all strings.

It will create a copy of its original input string after the # that follows the original input string.

For example, if the initial status of the tape is like 0|1|1|0|#| - | - |...

it will accept the input string. But will leave the tape like 0|1|1|0|#|0|1|1|0|.



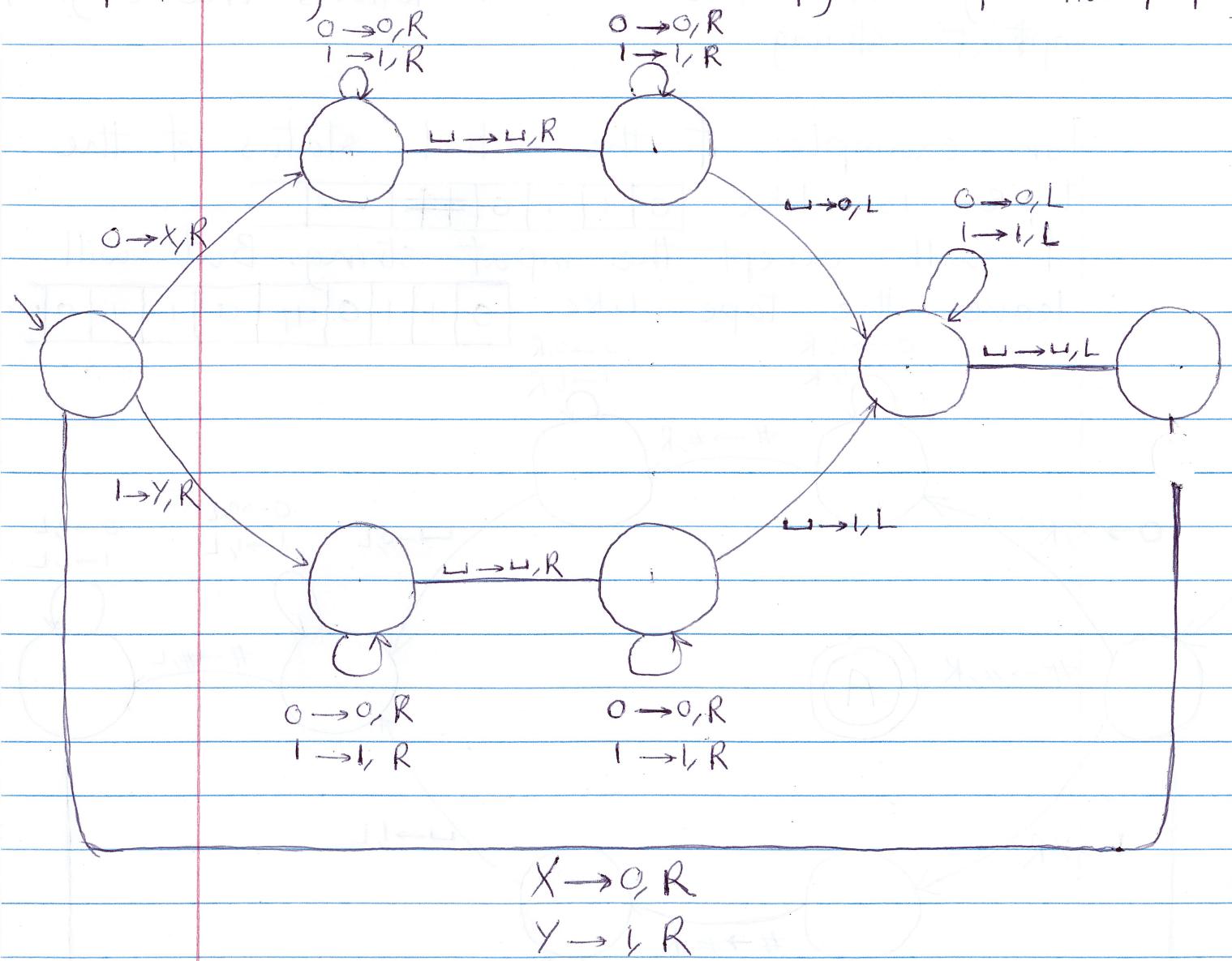
②

: MT \Rightarrow algm (O)

The same TM as in previous page.

But this time there is no $\#$ on the tape.

The TM will leave a \sqcup on tape after original input string and before the copy for separation purposes.

 $X \rightarrow 0, R$ $Y \rightarrow 1, R$

The same TM as in previous page
But this time the TM will leave three characters on tape after original input string and before the copy for separation purposes.

(3)
The same TM as in previous page
will leave three characters on tape before the copy for separation purposes.

