

alphabet: {D,a,b}

Starting: {A,B,C,D,E,F,G,R}

Explanation: I designed a TM which can insert and delete cells. Insertion example: Pabab turns into Dulabab.

This machine can be used as smaller part of an another delete cells.

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compared to standard turing machines.

Design above proves the answer since the design above is a standard turing machine and can do insert and delete when it is used as a small-piece of a bigger TM. This shows an equivelence manor of powers.

b) I know that recursive languages are not closed only on homomorphism and substitution other operations, Recursive Languages are closed but I cannot prove that, Thank you for your attention.: