

CS 302
REMOTE QUIZ 10

4 January, 2021

Closed books and closed written or electronic notes

Do not forget to write your name on your paper !

Duration : 20 minutes

QUESTION

- (a) (5 pts) Write down the full **transition function** as a table with 4 columns for the DTM $R_{\#}$, i.e. the DTM that keeps on moving its head right until it sees a blank character and halts. Assume that the tape alphabet of $R_{\#}$ is $\Sigma = \{0, 1, \#\}$*
- (b) (5 pts) Repeat part (a) for the composed DTM : $R_{\#} . L . 1$ where again the tape alphabet is $\Sigma = \{0, 1, \#\}$*