

CS 302
QUIZ 10

19 December 2017

Duration : 15 minutes

Do not forget to write your name on your paper !

QUESTION (10 pts)

Describe a Turing Machine M either in graphical or in tabular notation that performs the computation :

$(s, \# u) \vdash_M (h, \# u')$ where $u, u' \in \{0,1\}^$ and u' is obtained from u by replacing all 0s by 1s and all 1s by 0s in u ; and h denotes a halt state.*