ourdiu.com | Shared by Md. Ferdous Foysal Hridoy

Quiz2-66-C (Protected View) - Word
Sign in
File Home Insert Design Layout References Mailings Review View Help Acrobat Tell me what you want to do
PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View. Enable Editing
GET GENUINE OFFICE Your license isn't genuine, and you may be a victim of software counterfeiting. Avoid interruption and keep your files safe with genuine Office today. Get genuine Office

[All portions of each question must be answered sequentially.]

a) **Apply** the knowledge of Regular Expression (RE) to the RE accepting the following languages:

i) Start with xyz or ending with **xyy over** $\sum=\{x,y,z\}$

ii) Contain **at least one occurrence** of **123** anywhere in the string, $\sum=\{0,1,2,3\}$

b) **Convert** the following Regular Expression (RE) into an ε-NFA (Epsilon Non-deterministic Finite Automaton):

Regular Expression: $(0 + 1)^* 01^* + (01)^*$

c) **Convert the following DFA into RE by state elimination approaches:**

	0	1
→ q0	q1	q0
q1	q1	q2
*q2	q2	q2