

On my honor, I have neither given nor received any unauthorized or inappropriate assistance for all sessions of this exam. The work done on this exam is totally my own. I understand by the school code, violation of these principles will lead to a zero grade and is subject to harsh discipline issues.

Yunus Emre Ertug

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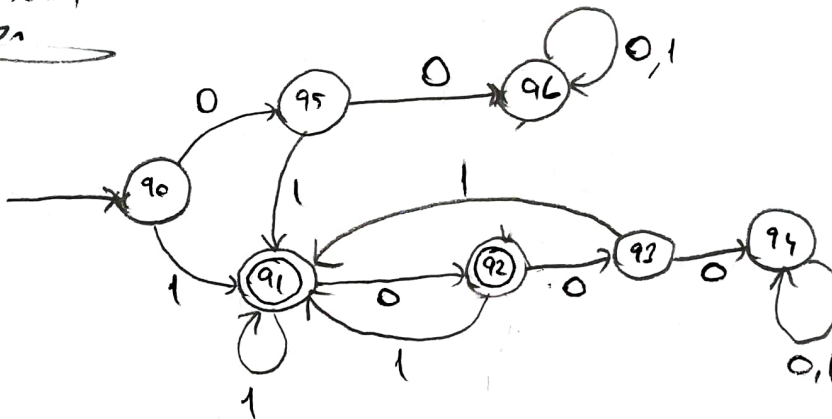
"her 0 için başarılı ve 1 için başarısız"

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Q1) DFA

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q1 and q2  
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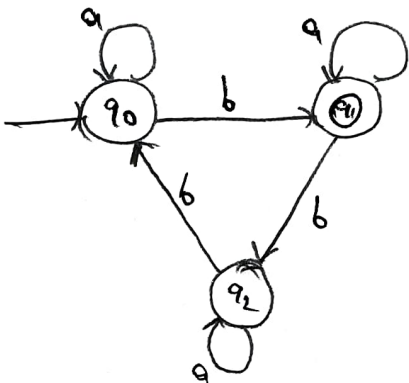
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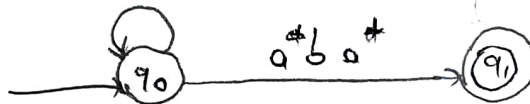
Q2)



Eliminate

q2

$a^* b a^* b a^* b$



$L = a^* b a^* b a^* b (a^* b a^*)$