Cs402 Quiz

Solved by Rizwan Qadeer (Riz Mughal) Youtube link:

 $\underline{https://www.youtube.com/channel/UCINsFwDiB62SValCcPDZbRQ/playlists}$

CS402:0	Quiz # 2	Quiz Start Time: 01:23 PM, 12
Question	n # 1 of 10 (Start time: 01:23:44 PM, 12 August 2020)	1
If an effe	ectively solvable problem has answer in YES or NO, then the solution is calle	ed
Select th	ne correct option	
0	infinite problem	
	decision procedure	
0	finite solution	
0	optimal procedure	

estion # 2 of 10 (Start time: 01:24:05 PM, 12 August 2020)	Total Marks:
the intersection of two regular languages is regular then the complement	
lect the correct option	
regular	//
O irregular	11
O irregular but finite	//
irregular but infinite	11
	Click to Court Account B Marrie to Mark Overstion

Select the correct option Q,Q Q,R R,Q R,Q	Soloct	to correct ontion		
R.Q R.Q				
		Q,R		
	0	R,Q		
O R,R	0	R,R		

	of 10 (Start time: 01:24:36 PM, 12 Augus NAND (1 AND 1), then what will be the value of	
	Z	*
Select the c	orrect option	
0		
0		
O 01		
O 10		

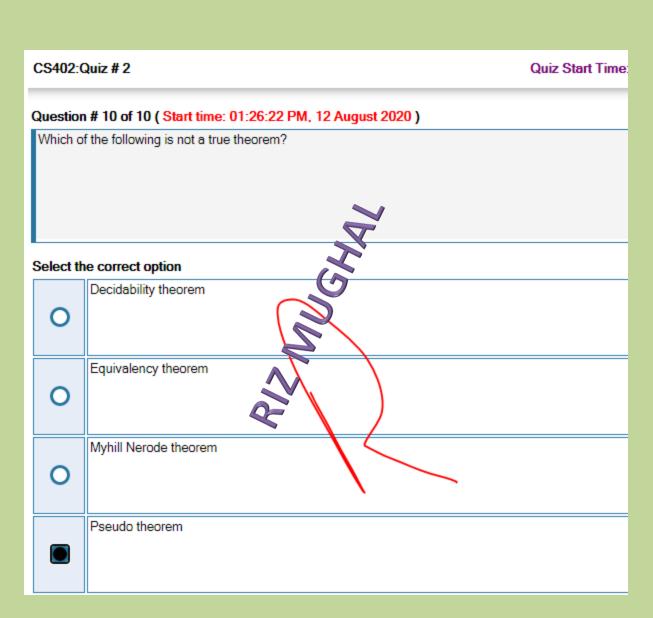
CS402:	Quiz # 2	Quiz Start Time: 01:23
	n # 5 of 10 (Start time: 01:24:57 PM, 12 Augus	
The val	ues of input (say a & b) do not remain same in one	cycle due to
		7
Select t	ne correct option	
0	NAND gate	
	Clock pulse	
0	OR gate	
0	NOT gate	

CS402:	Quiz # 2	Quiz Start Time: 01:23 PM, 12 August 20
Questio	n # 6 of 10 (Start time: 01:25:15 PM, 12 August 2020)	Total Marks
	FG S → aSb ab Λ is used to express the language The correct option Prime Palindrome	Reload Math Equation
	Prime	Reload Matri Equation
0	3 ~	
0	Palindrome	
	Equal	
0	Even	

CS402:	Quiz # 2	Quiz Start Time: 01:23 PM, 12
	n # 7 of 10 (Start time: 01:25:34 PM, 12 August 2020)	т
If Q = {>	cx, xyxxxy }, and R = {xyxyxyxxyy, xyxyyyxx} then Pref(Q in R) =	_
	~	
	ne correct option xyxyyy	
Select t	ne correct option	
	хухууу	
0	xxy	
0	хухуху	_
	xx	
0		

	Quiz#2	Quiz Start Time: 01:23 PM, 12 August 2020
estior	# 8 of 10 (Start time: 01:25:50 PM, 12 August 2020)	Total Marks: 1
case o	f Myhill Nerode theorem, if a language L partitions sigma star into distinct cl number of classes.	lasses and L is also regular then L generates
loct th	e correct option	h
elect ui	infinite	
0		<i>"</i>
	specified	
0		<i>i</i> .
	finite	
		4
0	odd	<i>1</i> ,

	Quiz # 2 Quiz Start Time: 01:2
	n # 9 of 10 (Start time: 01:26:07 PM, 12 August 2020) ings or words which do not belong to a language are called of that language.
	ST CONTRACTOR OF THE PROPERTY
elect t	he correct option Intersection
_	Intersection
0	
	Union
0	
	Complement
	Quotient
0	addition.

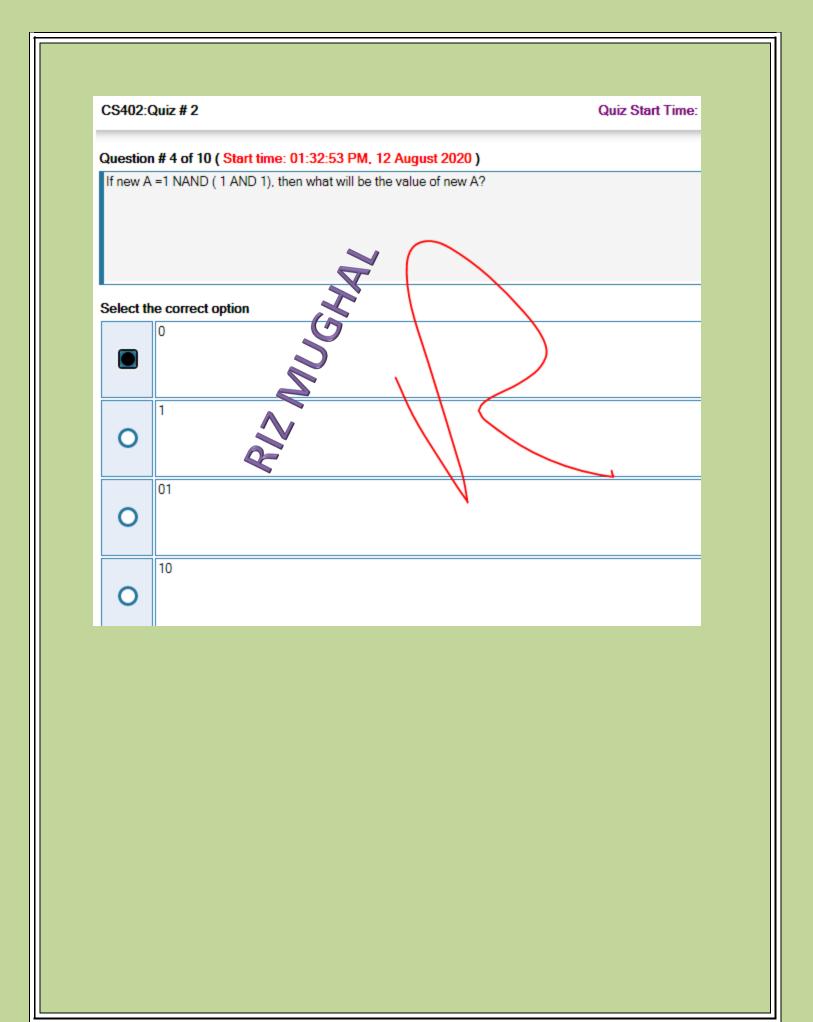


2nd account

	X
Select t	he correct option
0	he correct option Change FA non final states into final states
0	Change FA final states into non final state
0	Only change FA old final states into non final states
	Change FA non final states into final and final states into non final states

CS402:Quiz # 2		Quiz Start Time: 01:31 PM, 12 Augus
Question # 2 of 10 ((Start time: 01:32:18 PM, 12 August 2020)	Total Ma
If an effectively solve	able problem has answer in YES or NO, then the solution is	called
Select the correct o	option	
infinite pro	blem	
0		
decision pr	The state of the s	
decision pr	rocedure	_
	21	
finite soluti	ion	
0		
optimal pro	ocedure	
0		

CS402:0	Quiz # 2	Quiz Start Time: 01:31
	n # 3 of 10 (Start time: 01:32:36 PM, 12 August 2020)	
Even-Ev	ven language partitions ∑* into distinct classes.	
	ne correct option	
Select th	ie correct option	
0	two S	
0	three	
	four	
0	five	



	Quiz # 2	Quiz Start Time: 01:
	n # 5 of 10 (Start time: 01:33:09 PM, 12 August 2 s a language.	020)
	he correct option finite	
Select t	he correct option	
	finite	
0	N. C	
	both context free and aurar	
0		
	regular	
0		
	non-regular	

CS402:	Quiz # 2	Quiz Start Time: 01:31 PM, 12 Au
Questio	n # 6 of 10 (Start time: 01:33:27 PM, 12 Aug	ust 2020) Tota
Finite A	automaton (FA) must have number o	of states while a language has words.
Solort t	he correct option	6
0	infinite, finite	
0	finite, finite	
	finite, infinite	\
_	infinite, infinite	

CS402:	Quiz # 2 Quiz Start Time	: 01:31 PM, 12 Aug
	n # 7 of 10 (Start time: 01:33:48 PM, 12 August 2020)	Total
The stri	ngs or words which do not belong to a language are called of that language. ne correct option	
Select t	ne correct option	
0	Intersection	
0	Union	
	Complement	
0	Quotient	

CS402:Quiz # 2	Quiz Start Time
Question # 8 of 10 (Start time: 01:34:04 PM, 12 August 2020)	
What will be the 9's complement of the number 872?	
Select the correct option	
127	
0 172	_
271	
0	
721	
0	

Question # 9 of 10 (Start time: 01:34:22 PM, 12 August 2020) The language "PRIME" is an example of language. Select the correct option regular but finite	
The language "PRIME" is an example of language.	
6	
Select the correct option	
regular but finite	
regular	
0	
non regular but finite	
non regular but finite	
	_
non regular	

		_
CS402:0	Quiz # 2	Quiz Start Time: 01:31 I
Question	on # 10 of 10 (Start time: 01:34:38 PM, 12 August 2020)	
If L1 and	nd L2 are regular languages then which statement is NOT true?	
Select th	the correct option	
	L1 + L2 is always regular	
0	2 ()	
	L1 L2 is always regular	
0		
	L1/L2 is always regular	
	L1* is always regular	

3rd account

S402:	:Quiz # 2 Quiz Start Time: 01:39 PM
	on # 1 of 10 (Start time: 01:39:10 PM, 12 August 2020)
f a lang	guage is regular it must generate number of distinct classes.
	X
	the correct option finite
elect t	the correct option
	finite
	infinite
0	
	two
0	
	three
0	

CS402:0	Quiz # 2	Quiz Start Time: 01
	n # 2 of 10 (Start time: 01:39:39 PM, 12 August 2020)	
If new A	a=1 NAND (1 AND 1), then what will be the value of new A	?
Select th	ne correct option	
0		
	01	
0		
	10	
0		

	on # 3 of 10 (Start time: 01:40:04 PM, 12 August 2020) erators like (* , +) in the parse tree are considered as	
The op	erators like (, +) in the parse tree are considered as	
Select t	the correct option	
	terminals	
	non-terminals	
0		
	productions	
0		
	intermediates	
0		
1	II	

Duestin	n # 4 of 10 (Start time: 01:40:19 PM, 12 August 2020)	
	Il palindromes over {a,b} is:	
Select t	he correct option Regular	
0		
_	Regular and finite	
0		
	Regular and infinite	
0	`	
	Non-regular	

CS402:Qu	iz#2	Quiz Start Time: 01:39 PM, 12 Augu
Question #	5 of 10 (Start time: 01:40:37 PM, 12 August 20	020) Total
lf an effecti	ively solvable problem has answer in YES or NO, th	nen the solution is called
	correct option	
O	finite problem	
de	ecision procedure	
O	nite solution	
0	ptimal procedure	

Questio	n # 6 of 10 (Start time: 01:40:52 PM, 12 August 2020))
Which	one of the following languages is a non regular language?	
	(2)	
Select t	he correct option Even-even	
0	Eveneven	
	he correct option Even-even	\ \
	Containing double a	
0	Q-	
	Start and end with same letter	
0		•
	Paris de la constantina della	
	Palindrome	

		XV.	
elect the correct o	ption	7	
one	25		
O two	8		
three			
four			
,			

S402:Q	uiz # 2 Quiz Start	Time: 01:39 PM, 12 Augus
	# 8 of 10 (Start time: 01:41:25 PM, 12 August 2020)	Total Ma
The langu	lage of all strings not beginning with 'b' partitions Σ^* intodistinct classes.	
	~	
	e correct option	
0		
1	three	
	four	
0		
	five	
0		

	n # 9 of 10 (Start time: 01:41:49 PM, 12 Aug ues of input (say a & b) do not remain same in or		
		·	
	7	7	
Select the correct option			
0	NAND gate		
	he correct option NAND gate Clock pulse		
	OR gate	\	
0			
0	NOT gate		

Questio	n # 10 of 10 (Start time: 01:42:05 PM, 12 August 202	20.)			
_	G, the non-terminals are denoted by	/			
Select the correct option					
	Small letters				
0					
	Numbers				
0	Q 1				
	Capital letters				
	Small letters and numbers				
0					