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Asslam-o-Alaikum! In this file we'll provide you CS402 quiz 3 2023 Important Finalterm MCQs. Must Prepare Before Finalterm Exams. Verify Answers yourself too. If you found mistake then inform me.

If you found mistake then let us know.

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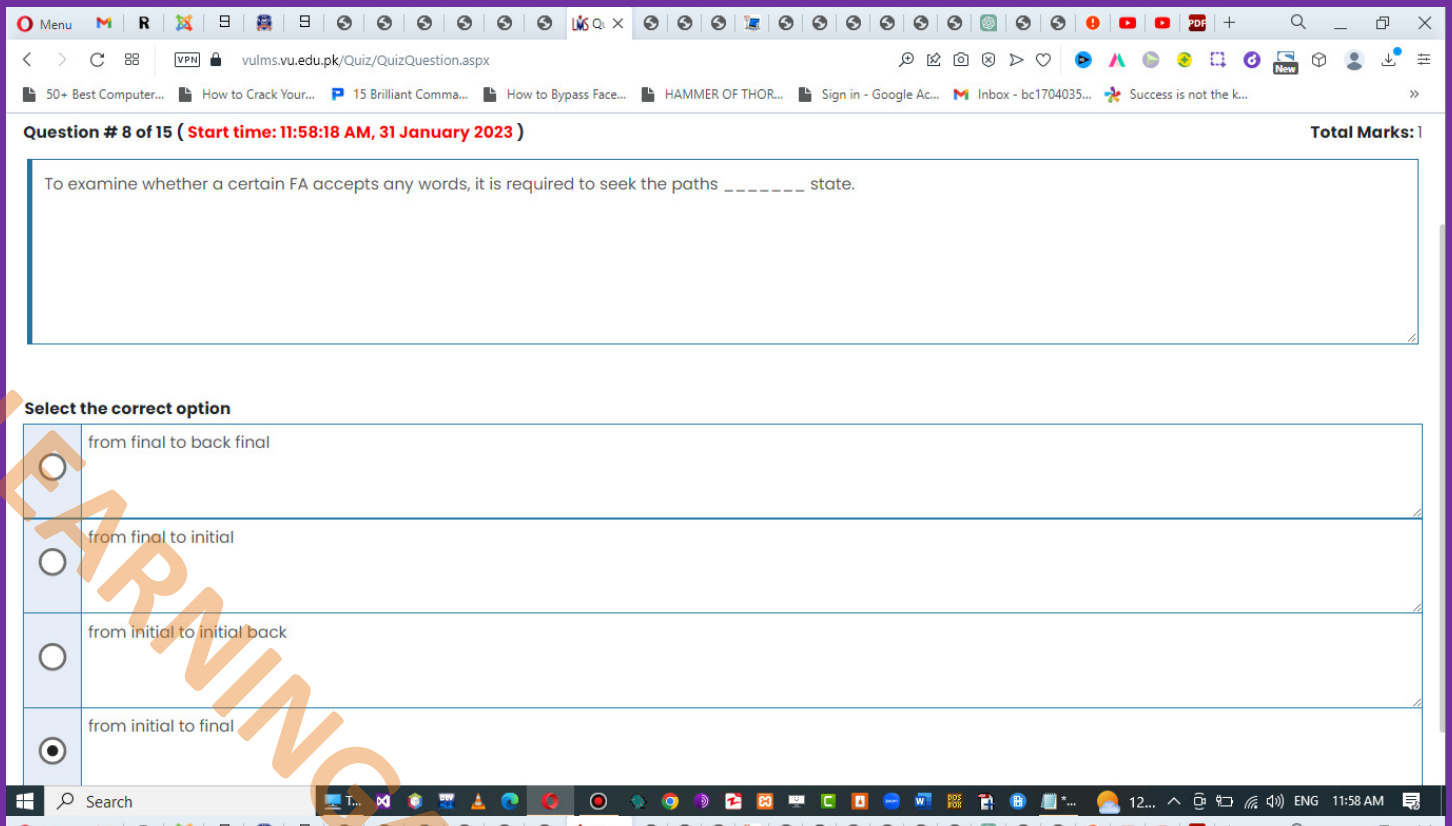
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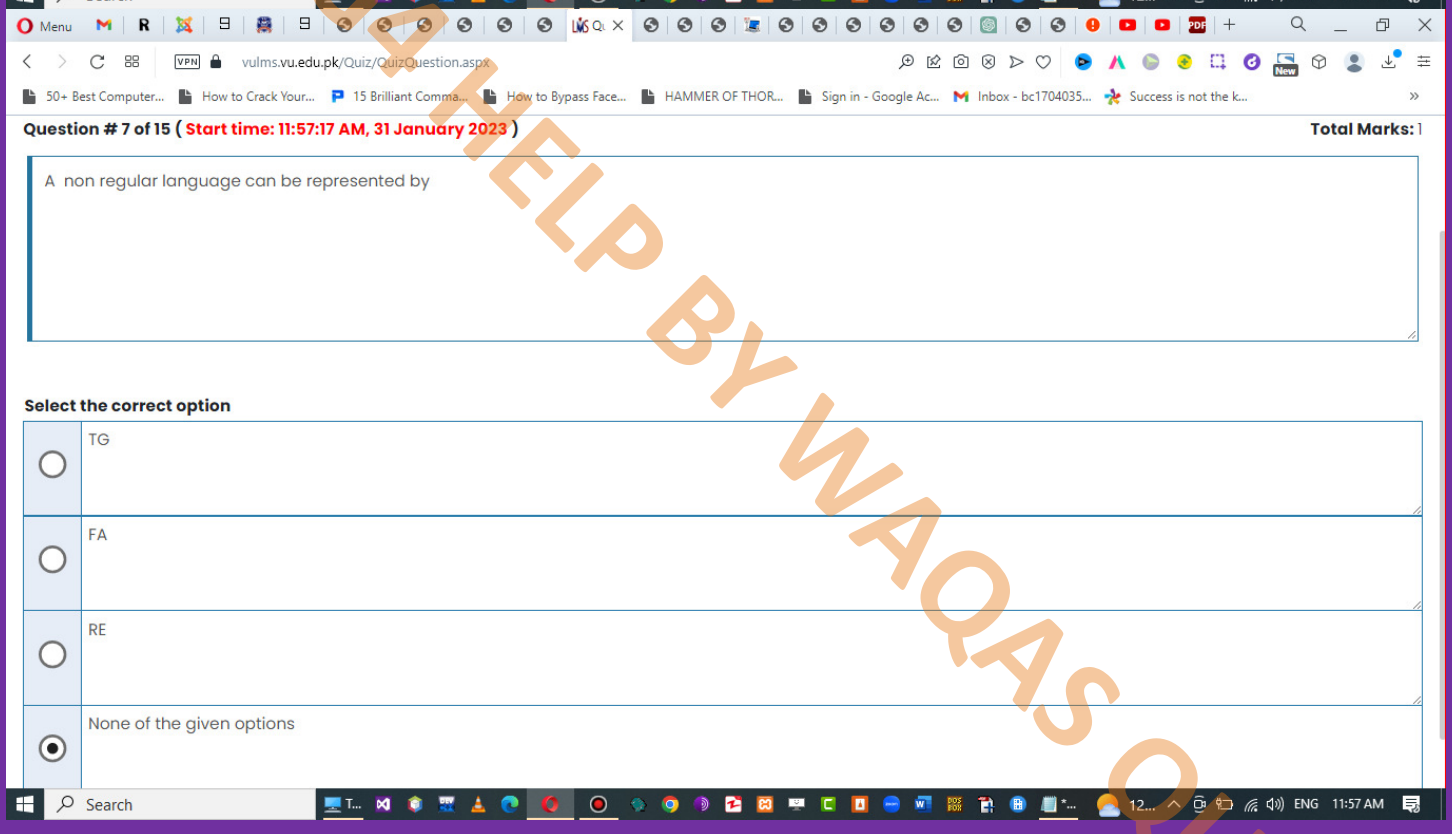


Question # 8 of 15 (Start time: 11:58:18 AM, 31 January 2023) **Total Marks:** 1

To examine whether a certain FA accepts any words, it is required to seek the paths _____ state.

Select the correct option

- from final to back final
- from final to initial
- from initial to initial back
- from initial to final



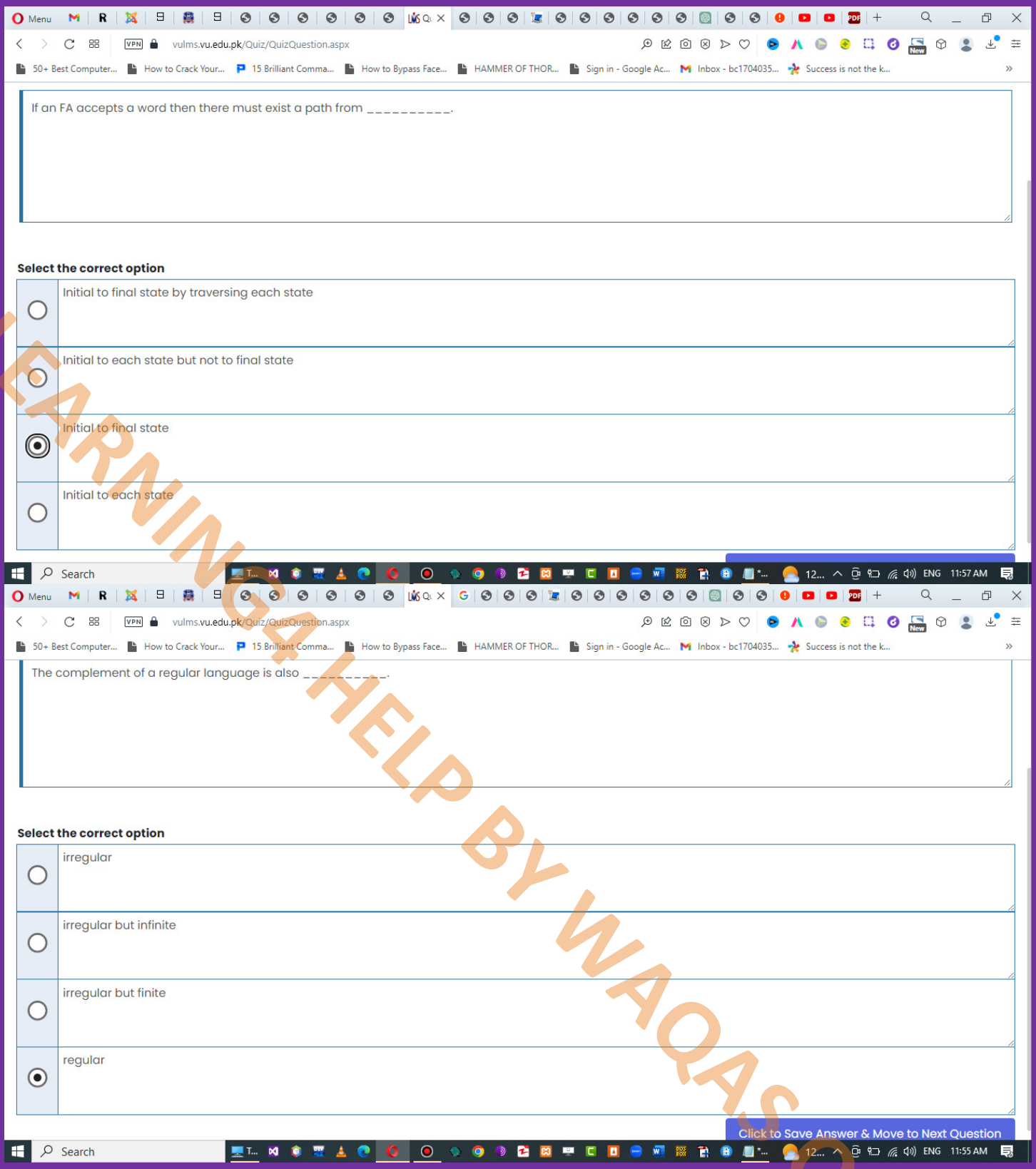
Question # 7 of 15 (Start time: 11:57:17 AM, 31 January 2023) **Total Marks:** 1

A non regular language can be represented by

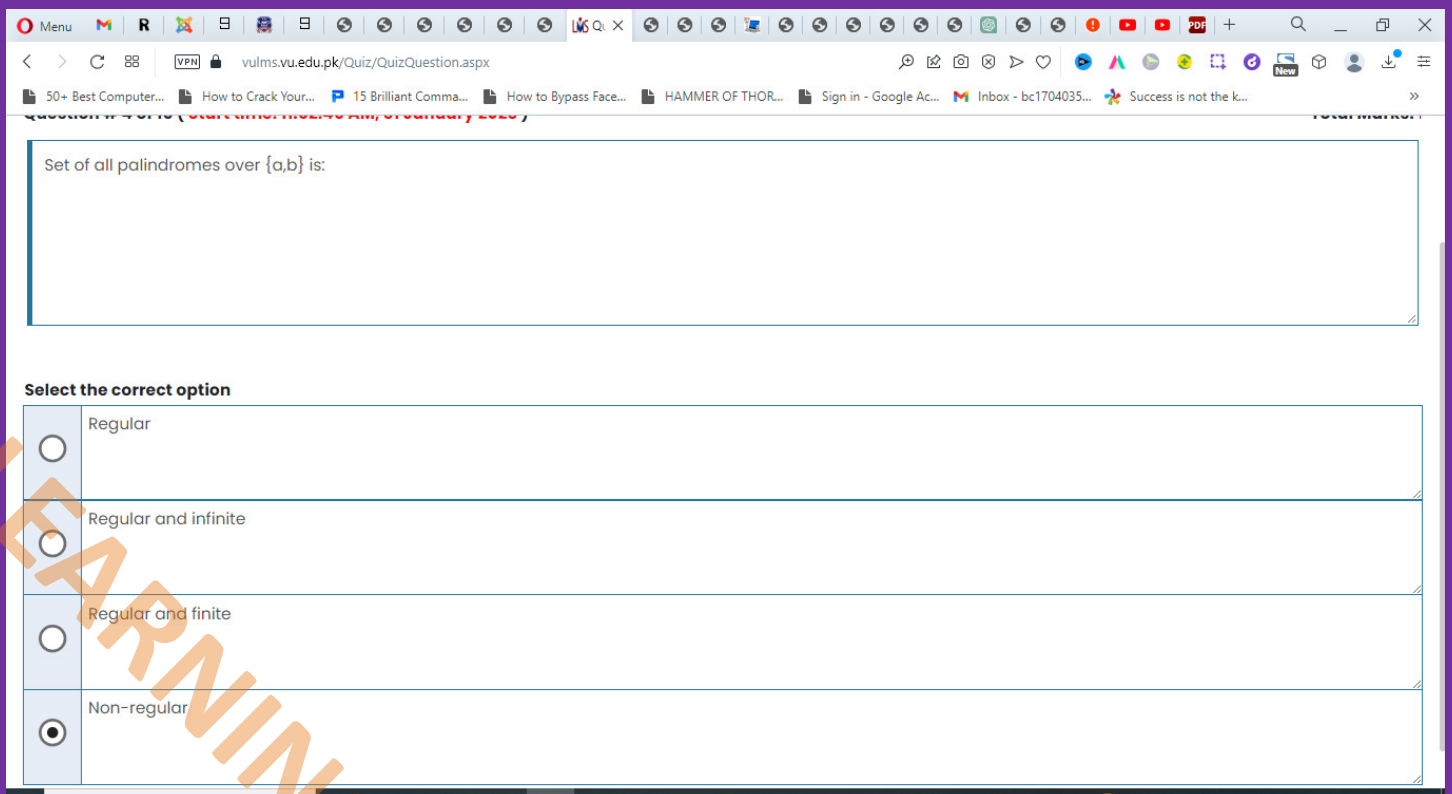
Select the correct option

- TG
- FA
- RE
- None of the given options

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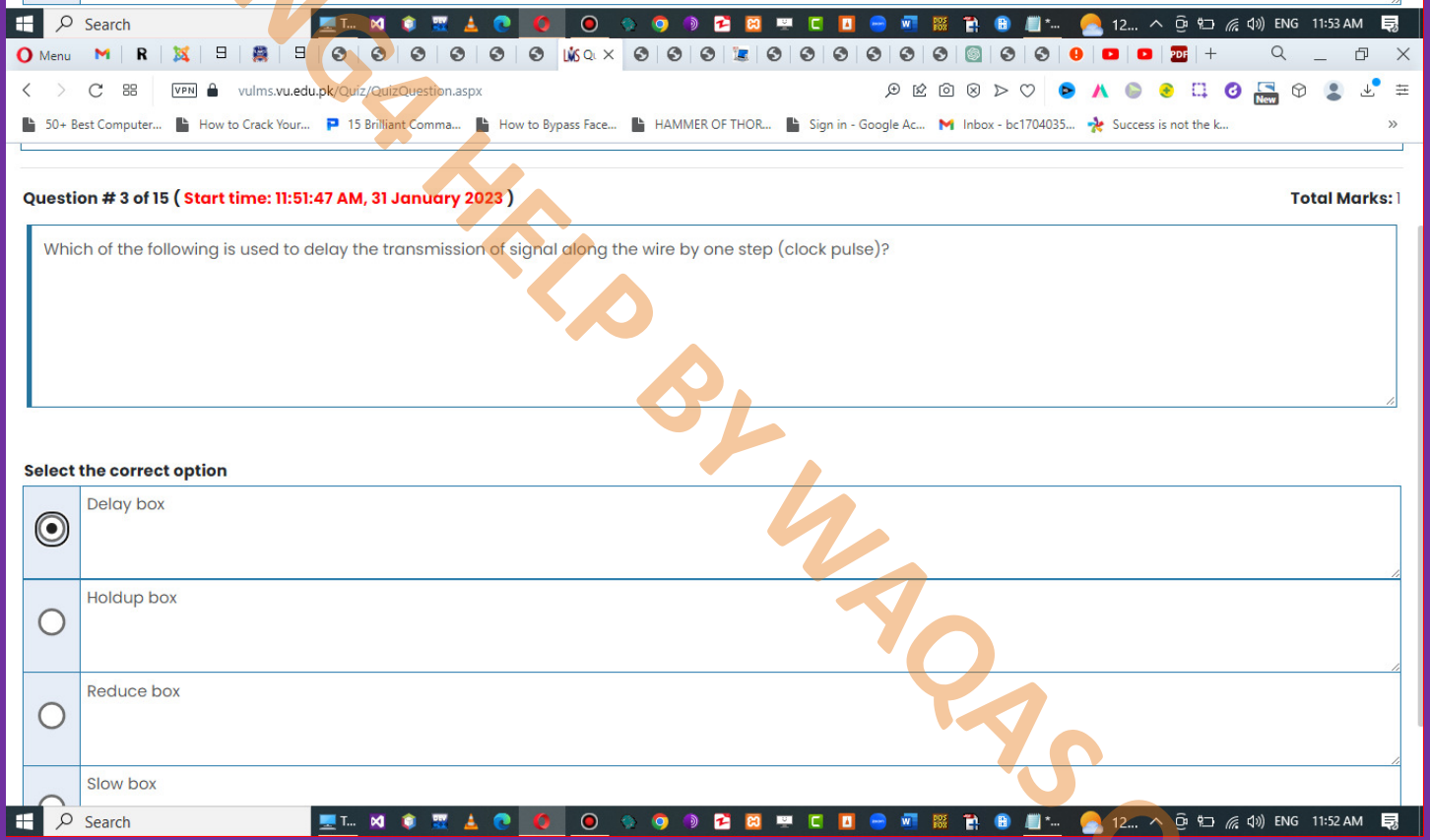
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Set of all palindromes over {a,b} is:

Select the correct option

- Regular
- Regular and infinite
- Regular and finite
- Non-regular



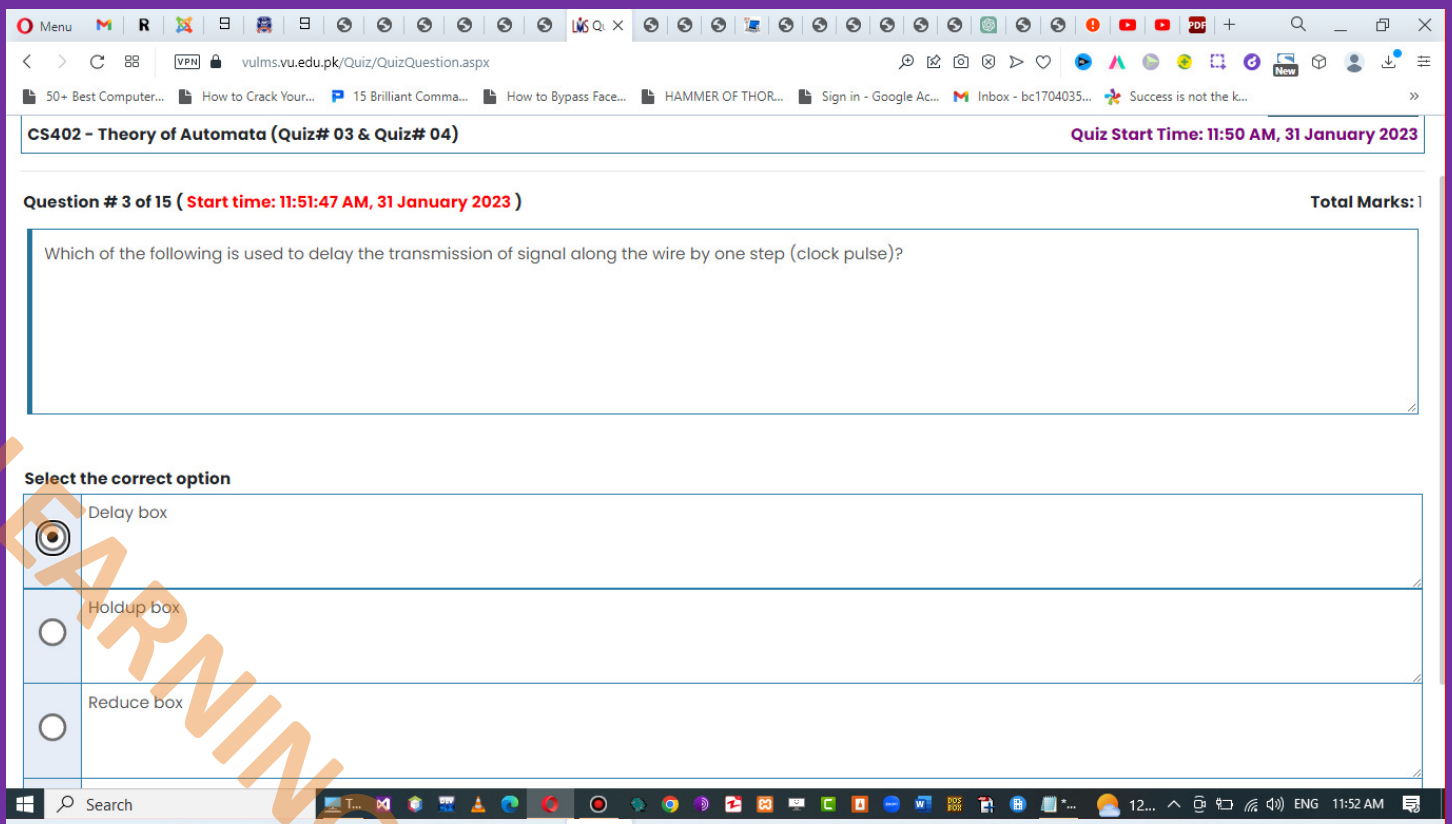
Question # 3 of 15 (Start time: 11:51:47 AM, 31 January 2023) **Total Marks:** 1

Which of the following is used to delay the transmission of signal along the wire by one step (clock pulse)?

Select the correct option

- Delay box
- Holdup box
- Reduce box
- Slow box

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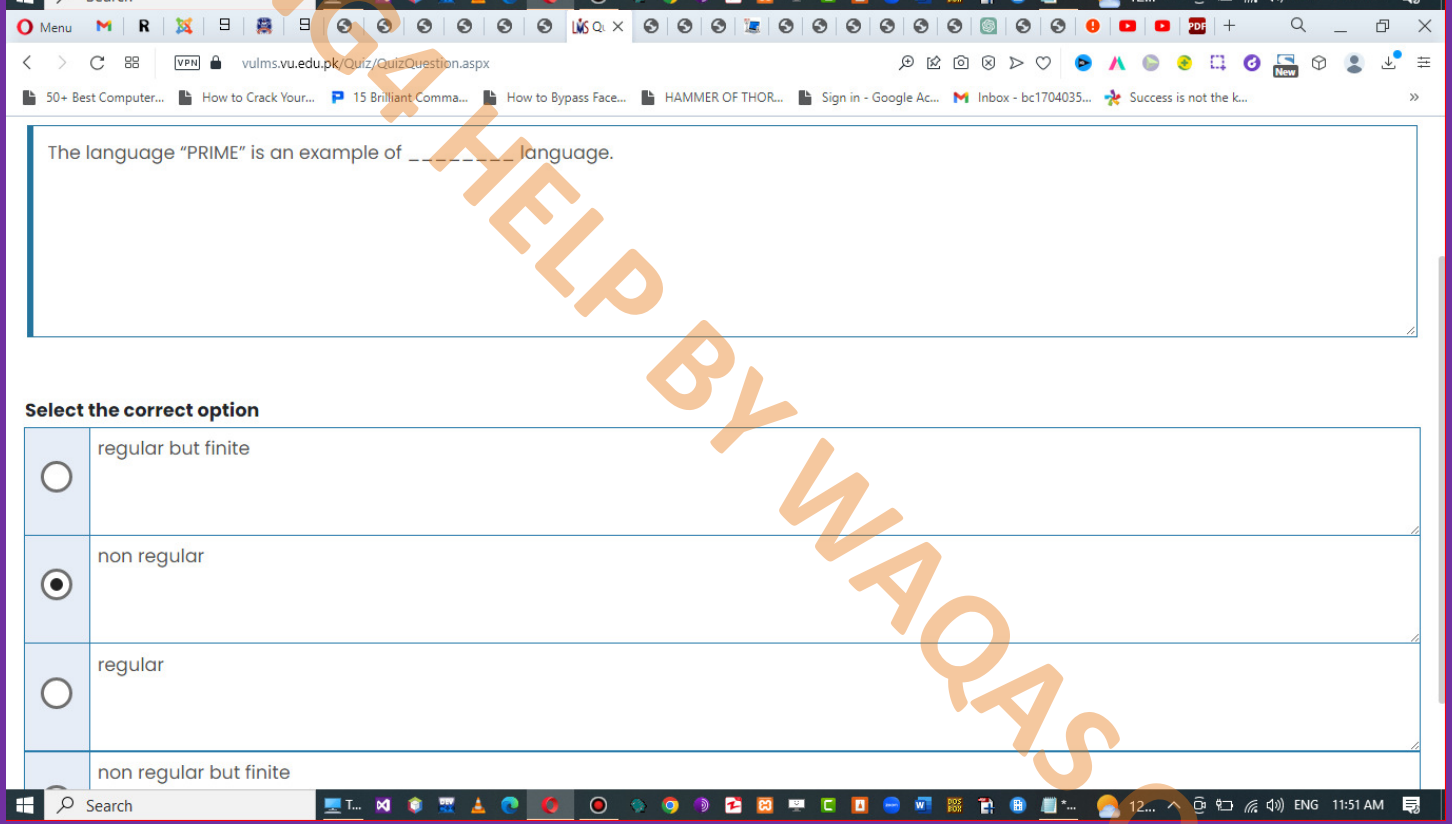
CS402 - Theory of Automata (Quiz# 03 & Quiz# 04) Quiz Start Time: 11:50 AM, 31 January 2023

Question # 3 of 15 (Start time: 11:51:47 AM, 31 January 2023) Total Marks: 1

Which of the following is used to delay the transmission of signal along the wire by one step (clock pulse)?

Select the correct option

- (•) Delay box
- ( ) Holdup box
- ( ) Reduce box



The language "PRIME" is an example of _____ language.

Select the correct option

- ( ) regular but finite
- (•) non regular
- ( ) regular
- ( ) non regular but finite

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Which of the following is a non-regular language?

Select the correct option

- Even-Even
- Odd-Odd
- Language of strings ending in abba
- Prime

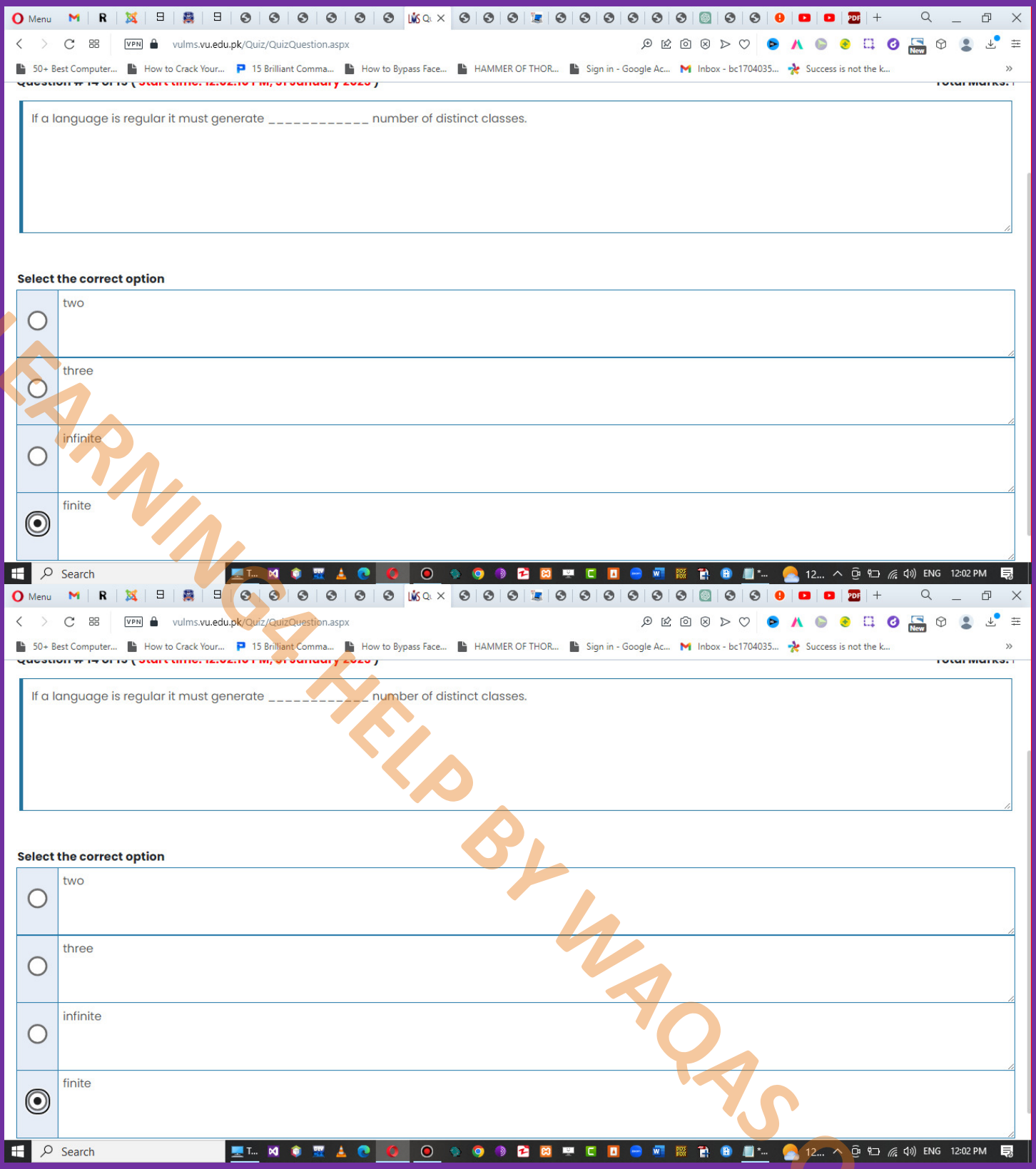
In pref(Q in R), Q is _____ to/than R.

Select the correct option

- Smaller
- Equal
- Greater
- Not equal

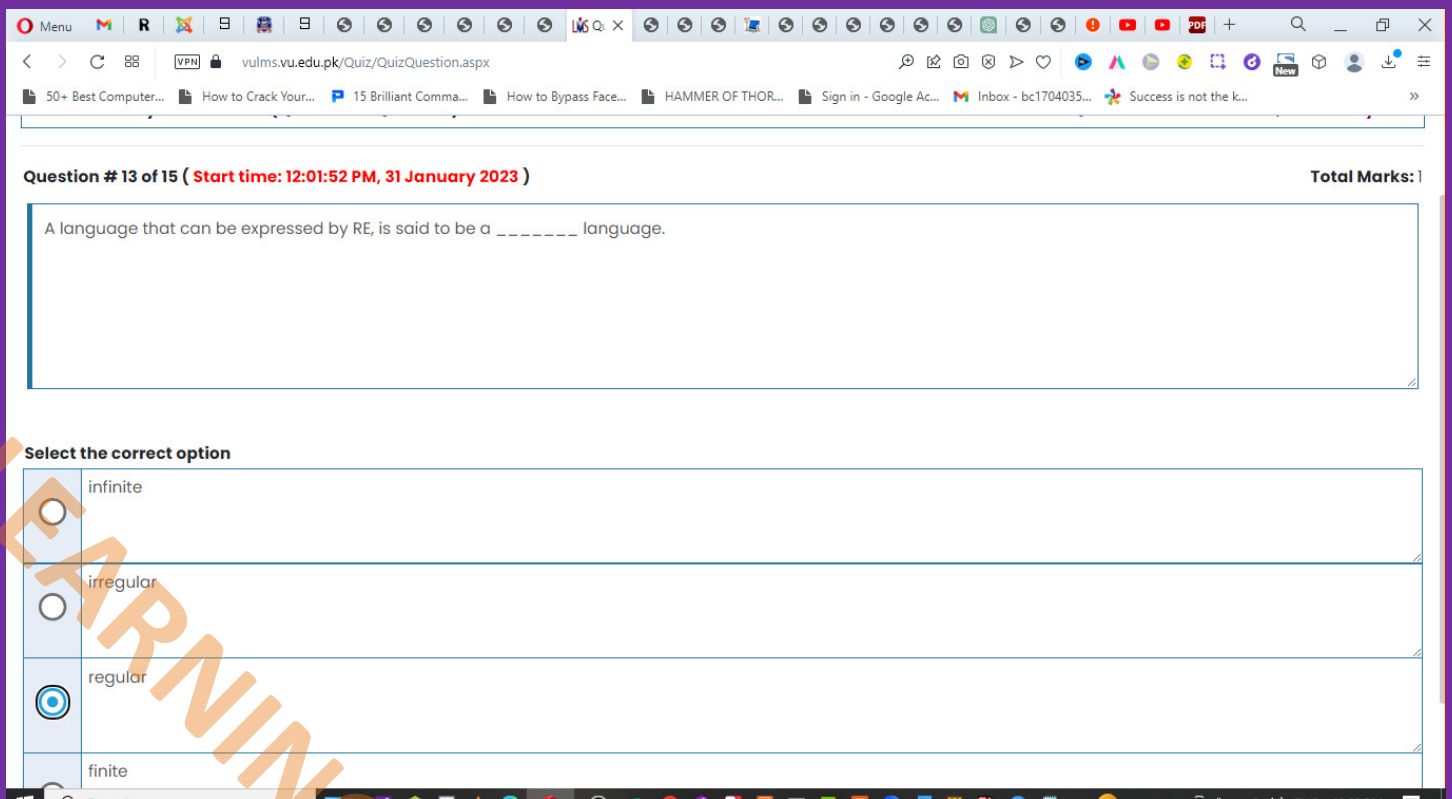
Click to Save Answer & Move to Next Question

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vulms.vu.edu.pk/Quiz/QuizQuestion.aspx
If a language is regular it must generate _____ number of distinct classes.
Select the correct option
two
three
infinite
finite
Search
ENG
12:02 PM

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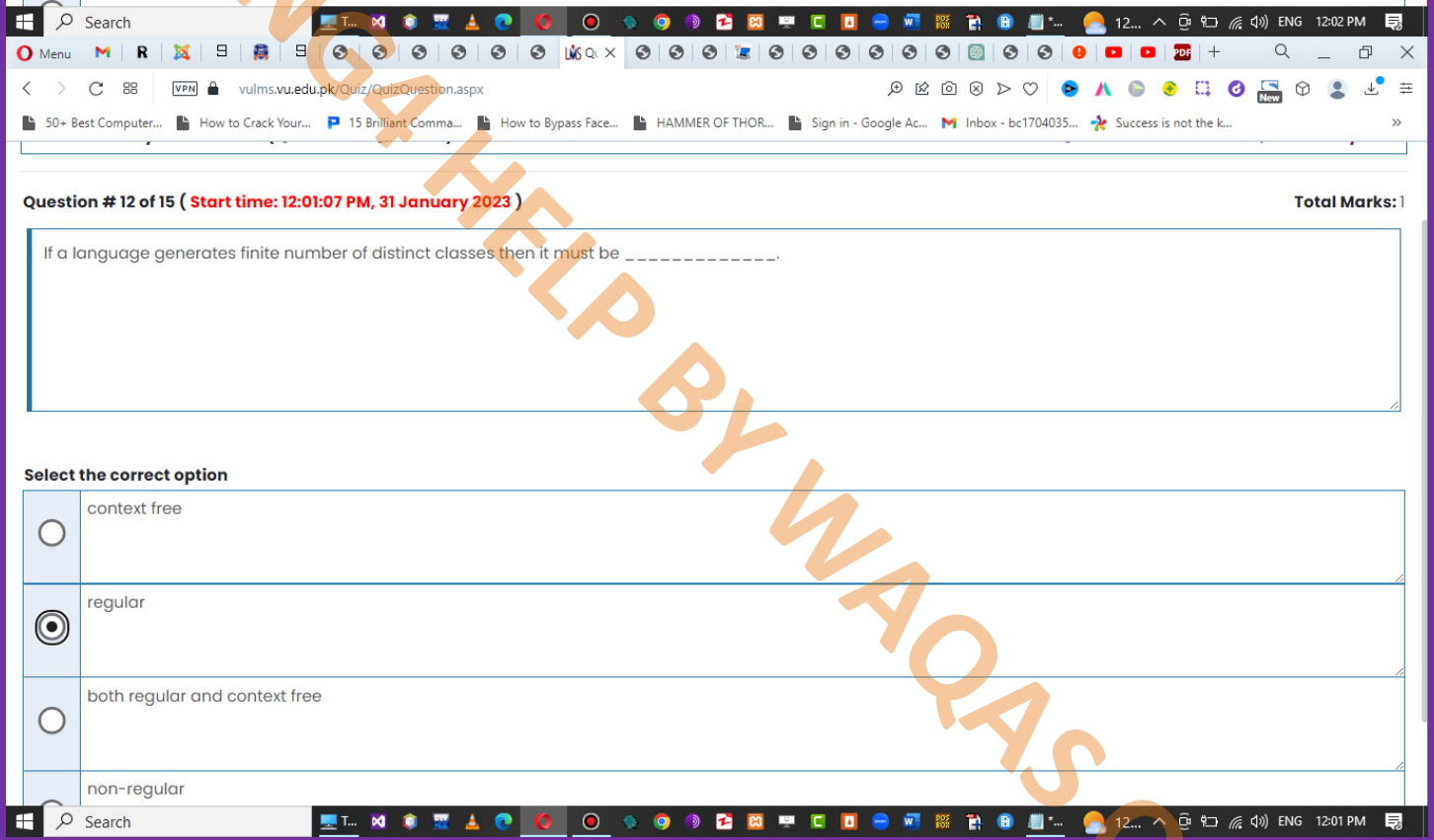


Question # 13 of 15 (Start time: 12:01:52 PM, 31 January 2023) **Total Marks:** 1

A language that can be expressed by RE, is said to be a _____ language.

Select the correct option

- infinite
- irregular
- regular
- finite



Question # 12 of 15 (Start time: 12:01:07 PM, 31 January 2023) **Total Marks:** 1

If a language generates finite number of distinct classes then it must be _____.

Select the correct option

- context free
- regular
- both regular and context free
- non-regular

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Question # 11 of 15 (Start time: 11:59:52 AM, 31 January 2023) **Total Marks:** 1

In pumping lemma theorem (x y^n z) the range of n is

Select the correct option

- n=0, 1, 2, 3, 4.....
- (•) n=1, 2, 3, 4.....
- n=.....-3,-2,-1, 1, 2, 3, 4.....
- n=.....-3,-2,-1, 0, 1, 2, 3, 4.....

Search ENG 12:00 PM

vulms.vu.edu.pk/Quiz/QuizQuestion.aspx

Question # 10 of 15 (Start time: 11:59:25 AM, 31 January 2023) **Total Marks:** 1

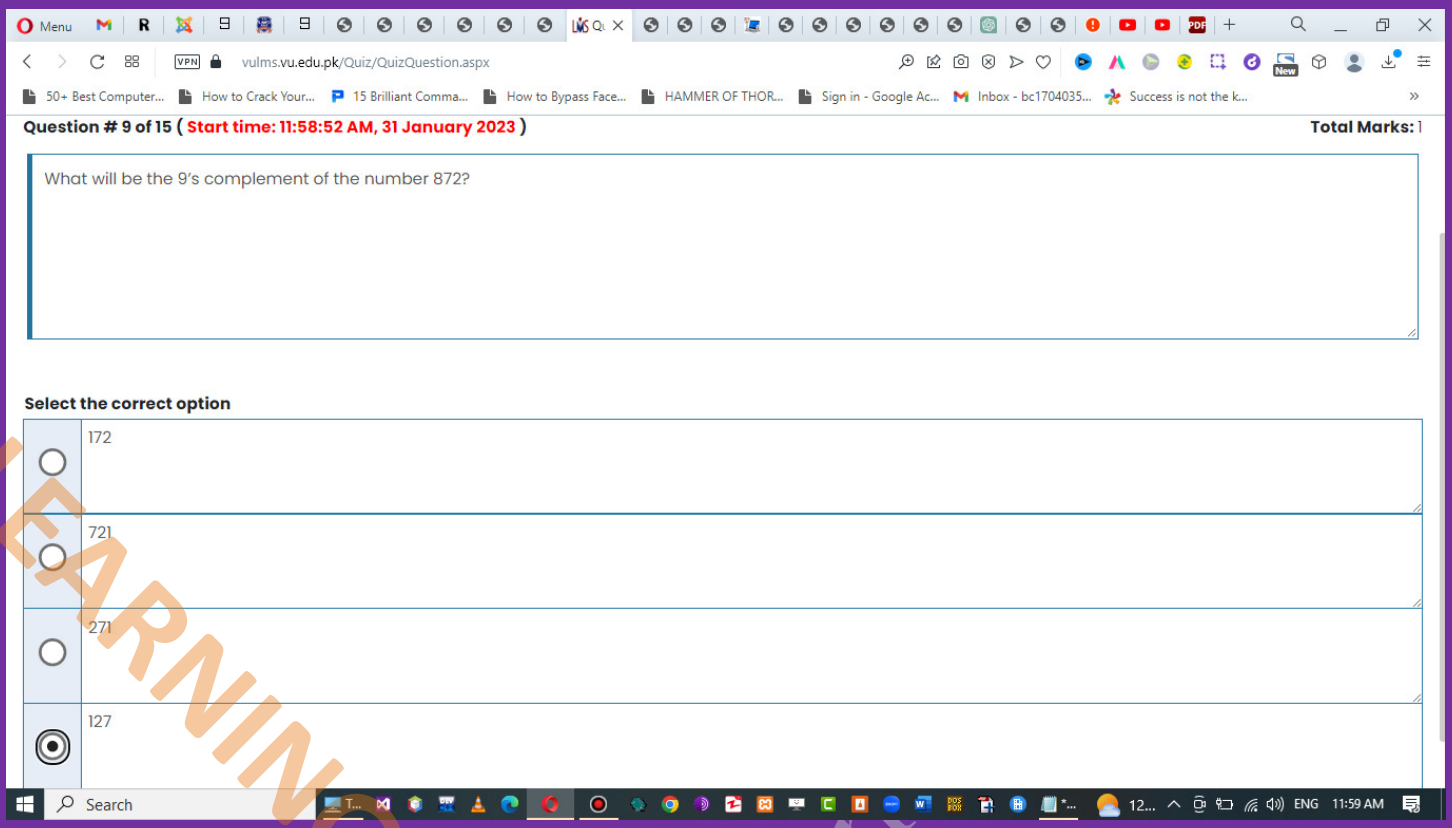
A problem that has decision procedure is called _____ problem.

Select the correct option

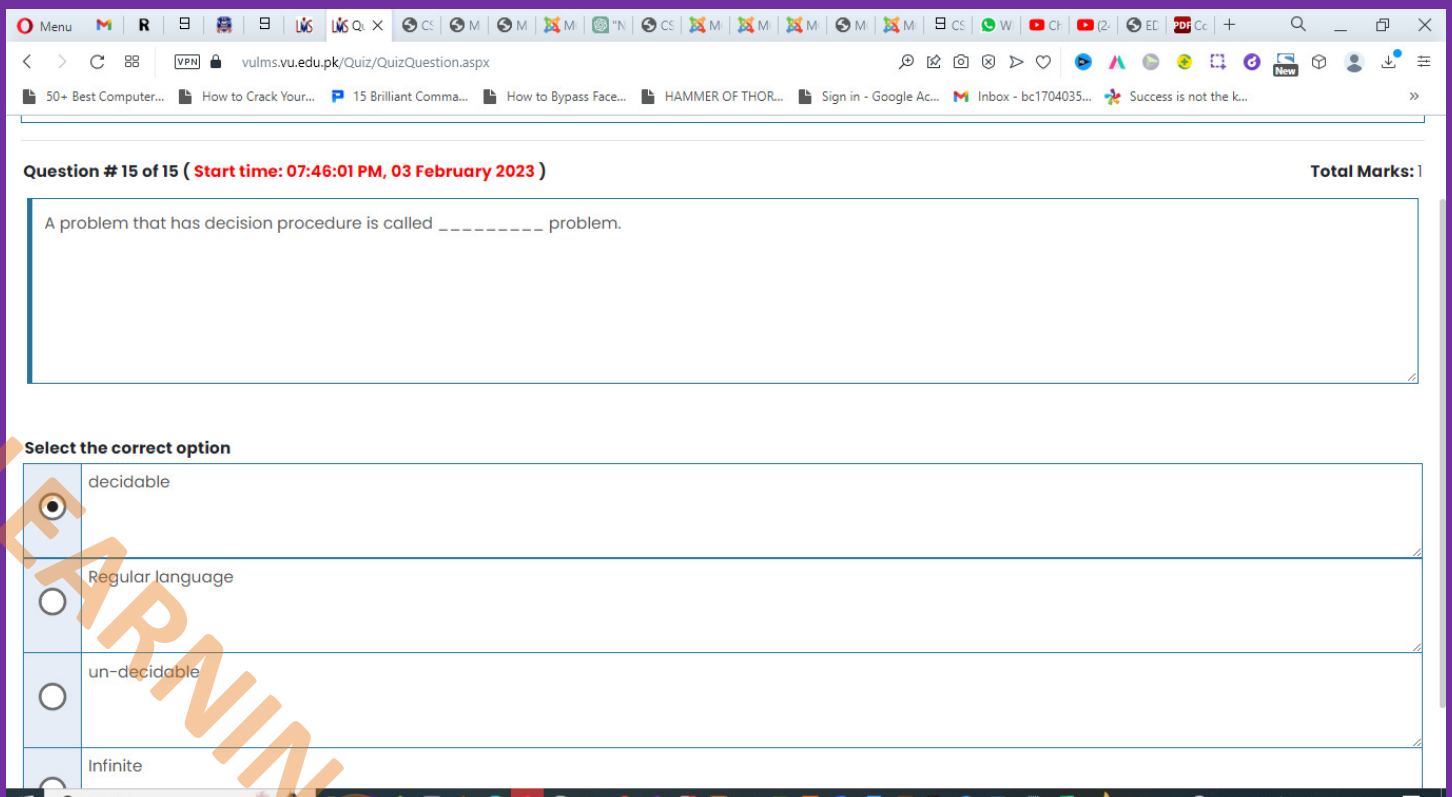
- un-decidable
- (•) decidable
- Infinite
- Regular language

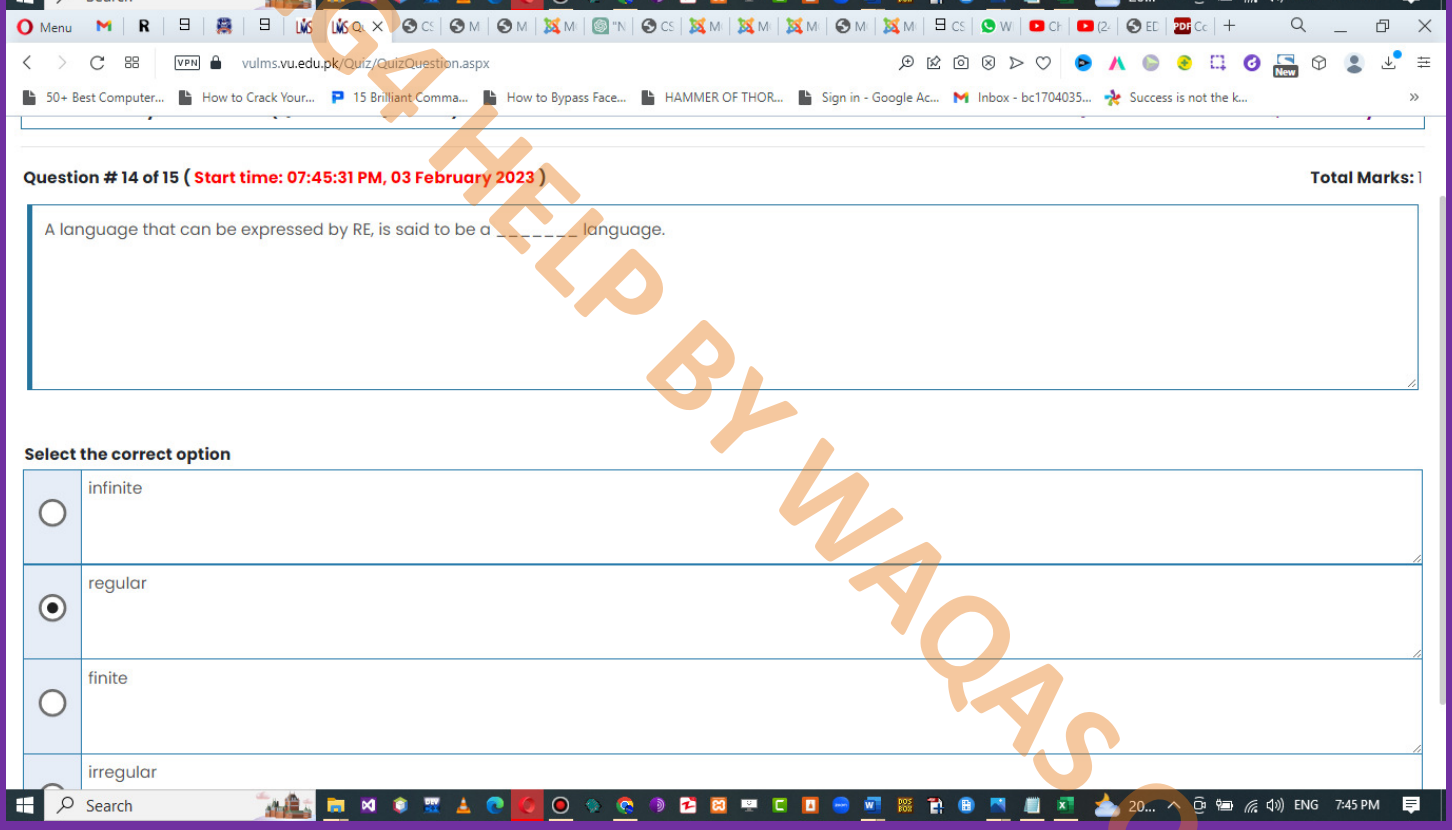
Search ENG 11:59 AM

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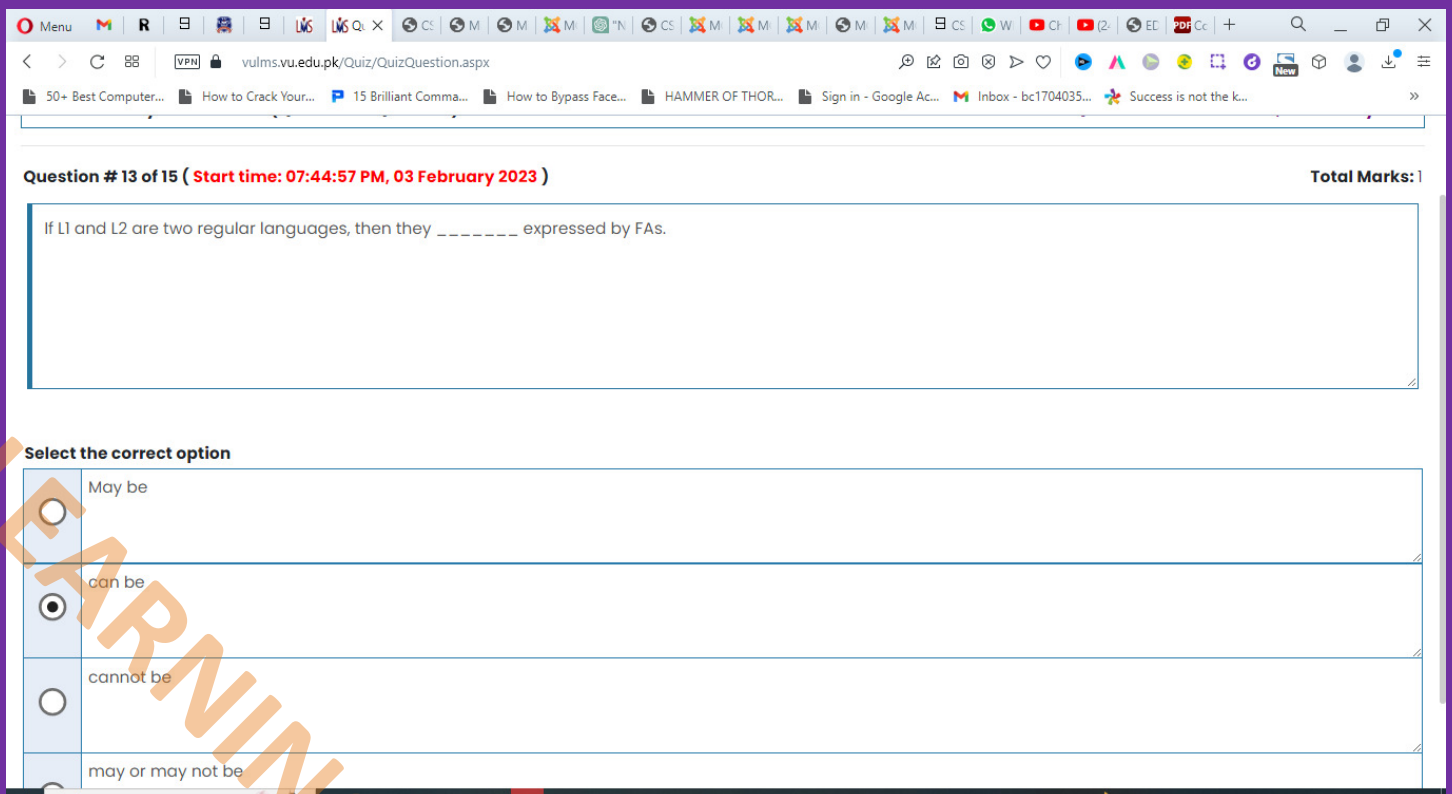


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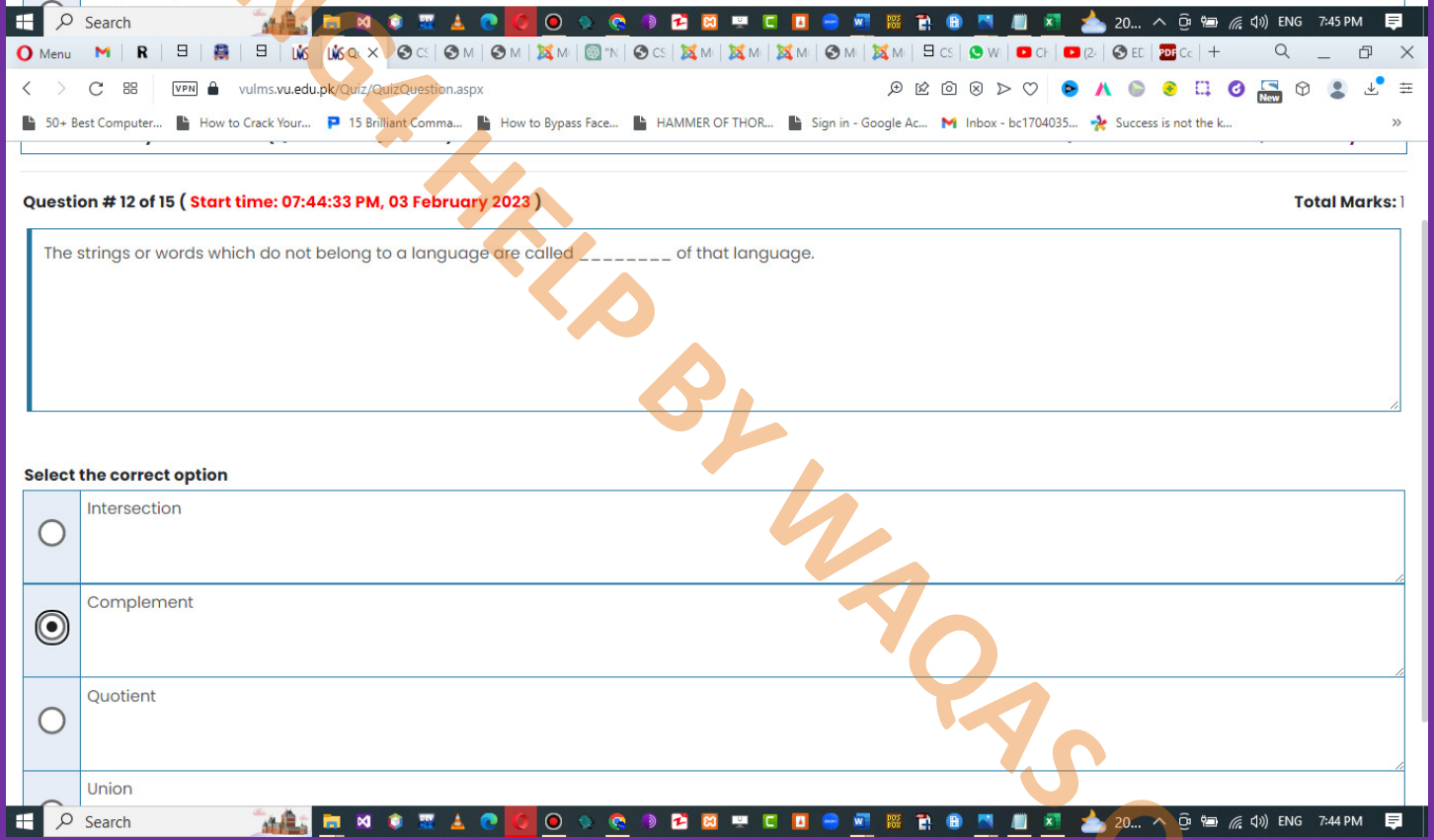


Question # 13 of 15 (Start time: 07:44:57 PM, 03 February 2023) **Total Marks:** 1

If L1 and L2 are two regular languages, then they _____ expressed by FAs.

Select the correct option

- May be
- can be
- cannot be
- may or may not be



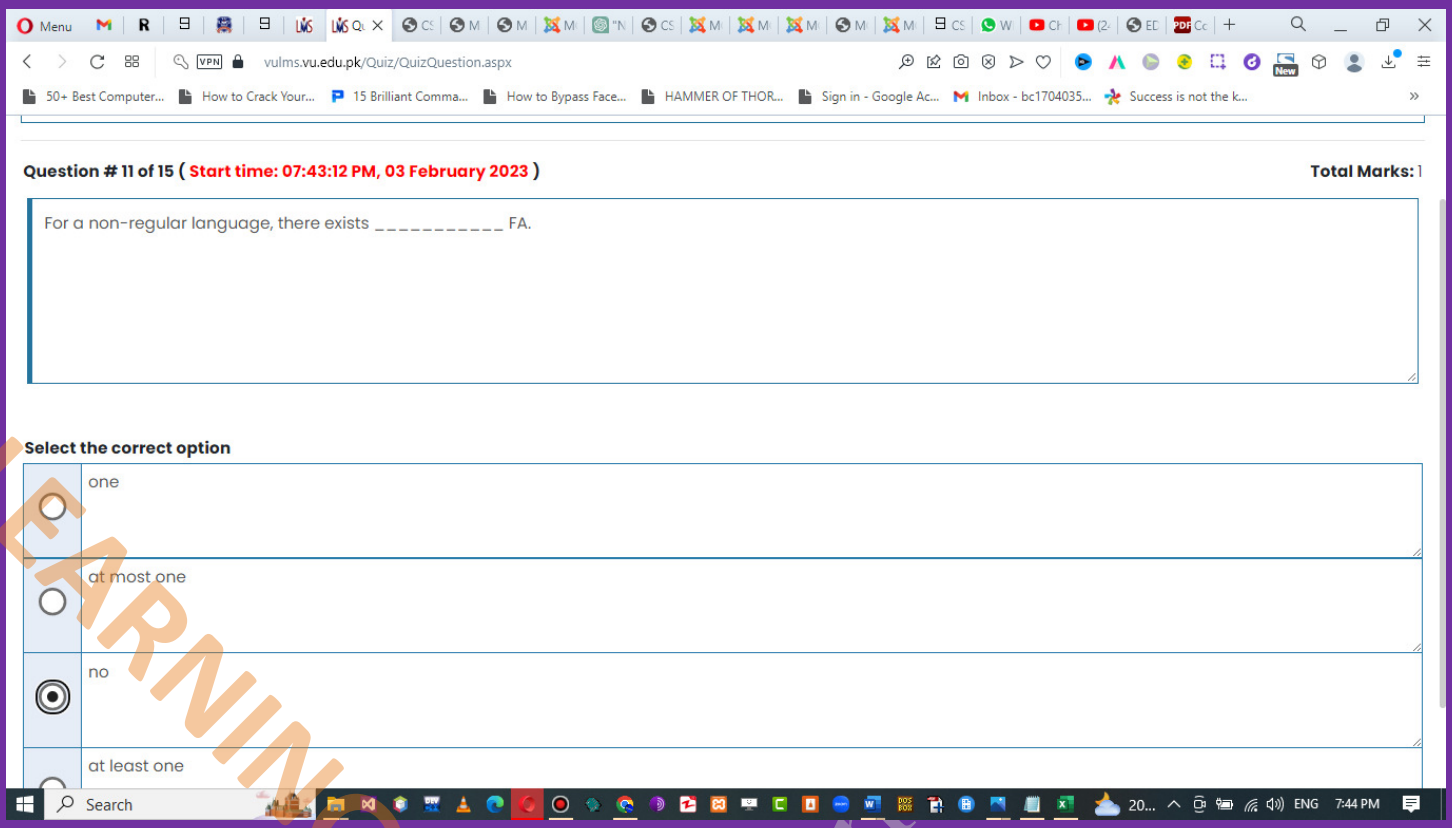
Question # 12 of 15 (Start time: 07:44:33 PM, 03 February 2023) **Total Marks:** 1

The strings or words which do not belong to a language are called _____ of that language.

Select the correct option

- Intersection
- Complement
- Quotient
- Union

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