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/ [Curs 6](#)**Started on** Wednesday, 8 November 2023, 7:16 PM**State** Finished**Completed on** Wednesday, 8 November 2023, 7:27 PM**Time taken** 10 mins 24 secs**Marks** 3.00/5.00**Grade** 6.00 out of 10.00 (60%)

## Question 1

Complete

Mark 1.00 out of 1.00

Exista limbaje independente de context pentru care nu exista APD deterministe (pe criteriul starii finale) care sa le accepte.

Select one:

- ☒ True
- ☐ False

## Question 2

Complete

Mark 1.00 out of 1.00

Limbajul acceptat de urmatorul automat:

		a	b	$\varepsilon$	
$q_0$	Z	$(q_0, AZ)$			1
	A	$(q_0, AA)$	$(q_1, \varepsilon)$		
$q_1$	Z			$(q_1, \varepsilon)$	0
	A		$(q_1, \varepsilon)$		

dupa criteriul starii finale este:  $L=\{a^n \mid n \in \mathbf{N}\}$

Select one:

- ☒ True
- ☐ False

## Question 3

Complete

Mark 1.00 out of 1.00

Fie automatul:

		a	b	$\varepsilon$	
$q_0$	Z	$(q_0, AZ)$			1
	A	$(q_0, AA)$	$(q_1, \varepsilon)$		
$q_1$	Z			$(q_1, \varepsilon)$	0
	A		$(q_1, \varepsilon)$		

Automatul este determinist.

Select one:

- ☒ True
- ☐ False

## Question 4

Complete

Mark 0.00 out of 1.00

Limbajul acceptat de urmatorul automat:

	a	b	$\varepsilon$	
$q_0$	Z ( $q_0, AZ$ )			1
$q_1$	A ( $q_0, AA$ )	( $q_1, \varepsilon$ )		
	Z		( $q_1, \varepsilon$ )	0
	A	( $q_1, \varepsilon$ )		

dupa criteriul stivei vide este:  $L=\{a^n b^n \mid n \in \mathbf{N}\}$ 

Select one:

- ☒ True
- ☐ False

## Question 5

Complete

Mark 0.00 out of 1.00

O tranzitie peste un APD:  $M = (Q, \Sigma, \Gamma, \delta, q_0, Z_0, F)$  este un element al produsului cartezian: $(Q, \Sigma^*, \Gamma^*) \times (Q, \Gamma^*)$ 

Select one:

- ☐ True
- ☒ False

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