

37 Lecture - CS402

Important Mcqs

1. **What is the new format for FAs called?**

- a) FANFA
- b) FABA
- c) FAZOO
- d) None of the above

Answer: d) None of the above (name not provided in the description)

What advantages does the new FA format offer?

- a) It can handle more complex languages and input sets
- b) It provides greater flexibility and efficiency
- c) It incorporates advanced algorithms for state minimization, language recognition, and error detection
- d) All of the above

Answer: d) All of the above

Who would benefit from using the new FA format?

- a) Developers looking to build sophisticated systems
- b) Novices learning to use FAs
- c) Both a) and b)
- d) None of the above

Answer: c) Both a) and b)

Does the new FA format have a simplified syntax?

- a) Yes
- b) No

Answer: a) Yes

How will the new FA format impact computational systems?

- a) It will increase efficiency and flexibility
- b) It will reshape the future of computational systems
- c) It will lead to the development of new systems
- d) All of the above

Answer: b) It will reshape the future of computational systems

Does the new FA format make use of advanced algorithms for error detection?

- a) Yes
- b) No

Answer: a) Yes

What is the primary purpose of FAs?

- a) To process information
- b) To store data
- c) To generate random numbers

d) None of the above

Answer: a) To process information

Can FAs handle complex languages?

a) Yes

b) No

Answer: a) Yes

What is the main benefit of the new FA format for novices?

a) It provides greater flexibility

b) It is easier to learn and use

c) It is more efficient than previous formats

d) None of the above

Answer: b) It is easier to learn and use

What is state minimization?

a) A process to optimize FA performance

b) A way to reduce the number of states in an FA

c) A technique for error detection in FAs

d) None of the above

Answer: b) A way to reduce the number of states in an FA