

GATE 2021 CS-2 Memory-Based Questions

Question	Question
Identify regular expression that generates all strings over a, b where the number of 'A's is divided by 3	<p>L_1 is Reg</p> <p>L_2 is CFL</p> <p>Which of the following is CFL</p>
Decimal Binary number is divided by 3 (3 states)	<p>Data = 11000</p> <p>Generator - X^3+X+1</p>
<p>Page Size is 4 KB</p> <p>Page Table Entry 8B</p> <p>Virtual Address - 39B</p> <p>Physical Address Page - 2GB</p> <p>What is the size of the page table for the third level?</p> <p align="center">Answer - 4KB</p>	<p>$(0.1101)_2=(0.8xy5)$ - Find Out X + Y?</p> <p align="center">Answer - 3</p>
<p>Gauri said that she can play keyboard_____ her sister. (a) as well as (b) as better as. (c) as nicest as. (d) as worse as.....</p> <p align="center">Answer (C)</p>	<p>Which of the following is not an intermediate representation</p> <p>(A) Symbol Table</p> <p>(B) Control Flow Graph</p> <p>(C) Abstract Syntax Tree</p> <p>(D) Three Address Code</p> <p align="center">Answer - (A)</p>
Given Min Heap implemented using an array to find a maximum element using the optional algorithm - Answer - O(N)	<p>$(x-1/2)^2-(x-3/2)^2 X+2+?$</p> <p align="center">Answer 4</p>
<p>Consider a Relation (R). Which of the following will be true?</p> <p>s1: a relation can have at most one foreign key</p> <p>s2: WE CAN REFER THE TUPLES USING FOREIGN KEY!</p> <p align="center">Answer - Both are False</p>	<p>0.5% of the cpu cycles are used for DMA in cycle stealing mode and a 2 mhz processor is used, speed of device?</p>

More Questions Coming Soon