31-38

denote they is the altering of abstract machine and addenote as well as the computational problem that can be saved by them A determinent juste automate (DFA) represented by 5 - with LQ1 2, 8, 90, 17 where Il is a funte set of states 2 E was funte set of youth Question 32 la, b3 such det DFA that accepts sits of strong over Dlength of the string to 3 () - a, b) () - a, b) i Acapts out-string y 3 consecutive 63 SUS Ax => (B->> (C - 60 (D) DAcapt store Legenning with an > A - - > B - - > O' I transit in late for u

Question 16 a A ß B BI 2 A 32 -> (SC 6 а A в D B D C D Question 34 1. all strags 40, 13 that and or 100 (A) -1 -15 Wall strings ha, b3 that contains the tot contains the string base Q BA 50 SAC 6 Question 35 DFA accepting the language of strings for her 153 and with 66

01 At bo 50 mis Question 36 4 = set of strugs over (a, b Birding on be A B B C 6 0 Á A B B C A Questin 37 DFA for all set of strings oner (21,53 such that D the string catans and 223 25 (C) -9> (B A W & 6 E 9,63 / 101 = mod 3 -> (-3 (-3) (i wECa163 / 1w/ = 1 mod 2 $\rightarrow A \xrightarrow{ab} (a) \xrightarrow{ab} (a)^{ab}$ ~) Length of string is at must 2 -> (A) aybe (B) aybe (B) add (B) (B) arb

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| | 6 | |
| 38) DA that Detted begins of | Thesting 35. accepts a language one all men 11) > C = 0 > C = 0 | Mong ho, 13 |
| i Unit ends | mu 200 G->G->G | |
| its That contain | 101 B-0>C | |