

## Set-1

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- Q2 Write down the regular expression
1. The set of all strings right in a
  2. The set of all strings two zero

Q3 DFA for all strings over  $[a, b]$  such that fifth symbol from right is a:

1. Regular expression:  
 $(a+b)^* a (a+b) (a+b) (a+b) (a+b)$

2. Regular expression

$$[aa(a+b)(a+b)a(a+b)a(a+b) + a(a+b)(a+b)a + (a+b)aa(a+b) + (a+b)a(a+b)a + (a+b)(a+b)aa]$$