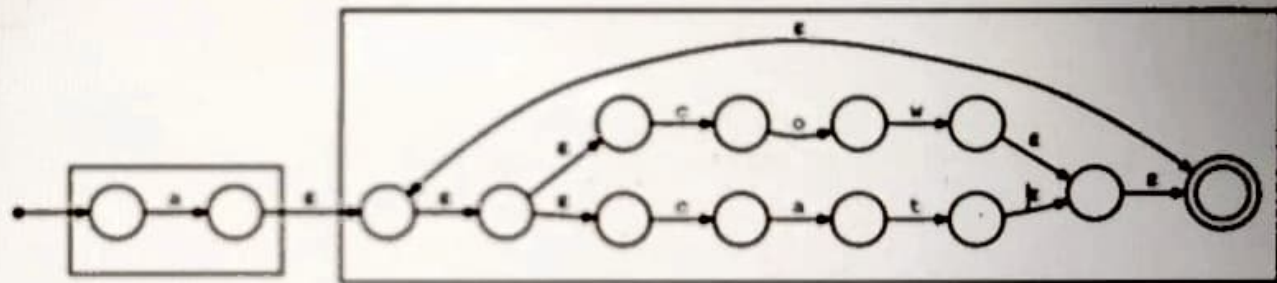


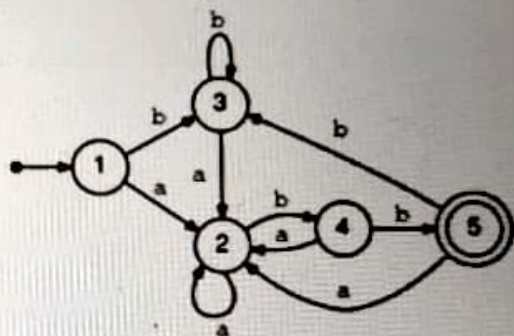
what is regular expression represent this figure ? \*



- ☐ cow|cat
- ☐ a(cow|cat)\* ✓
- ☐ a|cow|cat\*



3

☐ 2☐ 3☒ 4 ✓☐ 5

Construct a DFA which recognizes the set of all strings on  $S = \{a, b\}$  starting with the prefix 'ab'. what the number of states

- ☐ 2
- ☐ 3
- ☐ 5
- ☒ 4 ✓

Construct an DFA accepting all strings in  $\{0,1\}^*$  having even number of 0's. what is the number of states



☐ 2

☒ 3 ✓

☐ 4

☐ 5

6

write strings from this expression  $a^*(ab|c)^*$

☐ {epsilon, a, abb, c, abc, .....}



☐ {epsilon, a, ab, c, abc, aab, .....} ✓

☐ {a, ab, c, abc, aab, .....}