

**Question :**

Give regular expressions that describe all strings that contain

- Exactly four consecutive A s
- No more than four consecutive A s
- At least one occurrence of four consecutive A s

**Solution :**

- Exactly four consecutive A s:  $[A]\{4\}$
- No more than four consecutive A s :  $[A]\{0-4\}$
- At least one occurrence of four consecutive A s:  $.*AAAA.*$