

**Question :**

Give a brief English description of each of the following REs

- $.^*$
- $A.^*A \mid A$
- $.^*ABBABBA.^*$
- $.^*A.^*A.^*A.^*A.^*$

**Solution :**

- $.^*$  - There can be any characters.
- $A.^*A \mid A$  – There can be any characters between A and A and should end with A.
- $.^*ABBABBA.^*$  - There should be a substring ABBABBA in between characters.
- $.^*A.^*A.^*A.^*A.^*$  - There should be four A character in between characters.