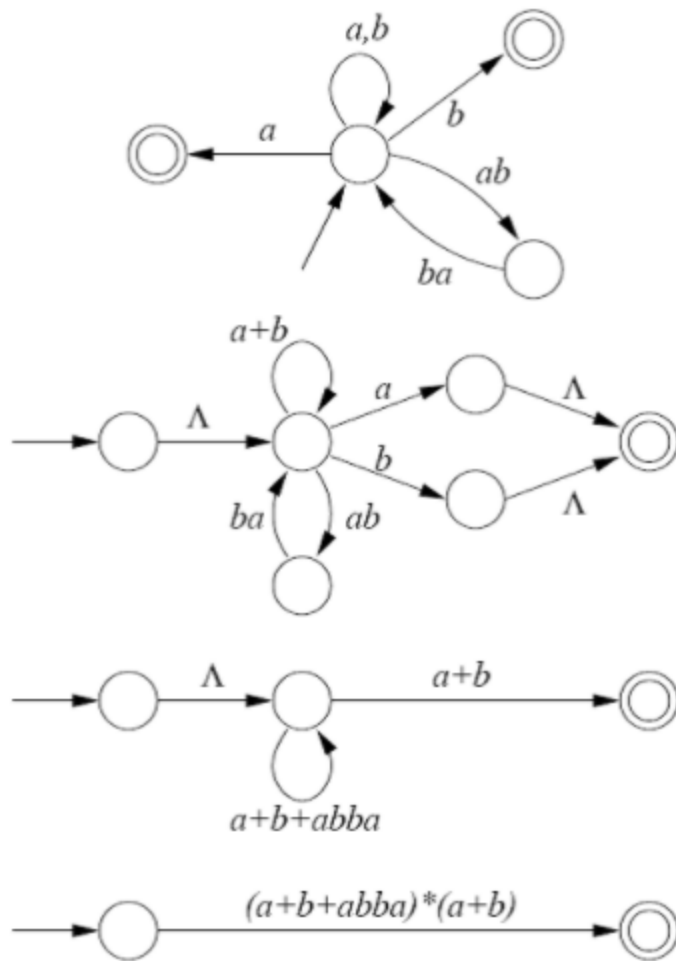
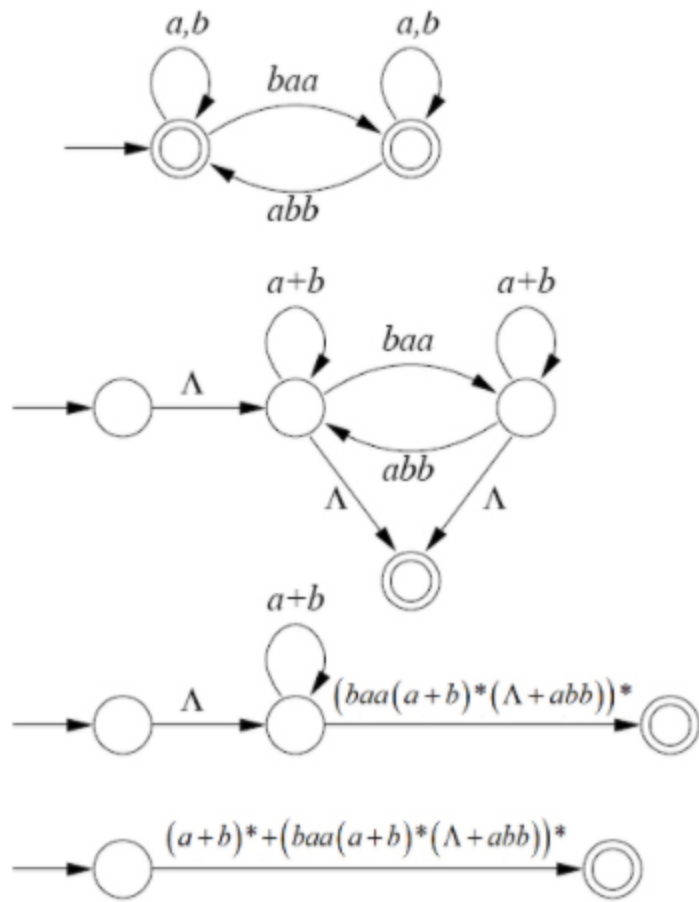


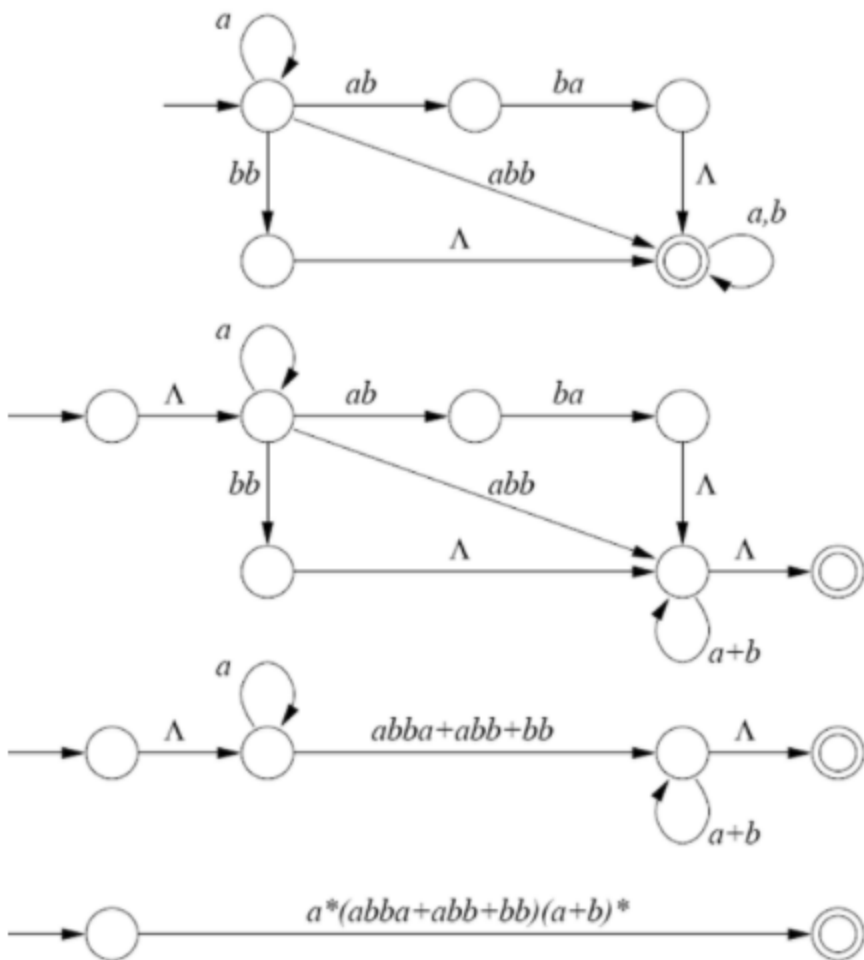
The resultant regular expression is  $(aba+bba)(a+b)^*$ .



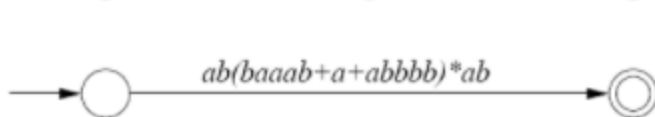
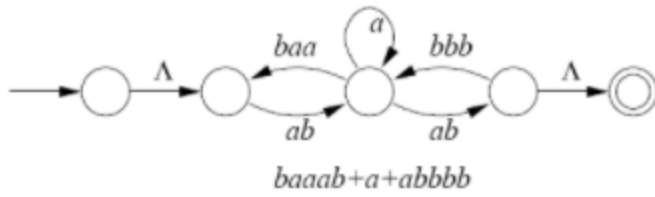
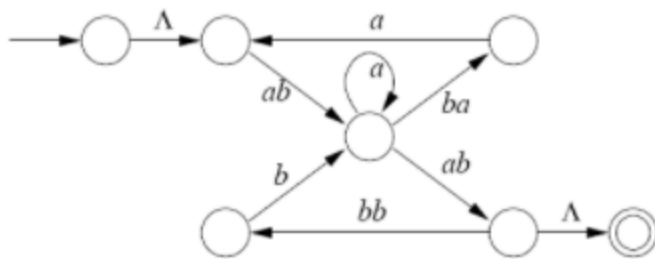
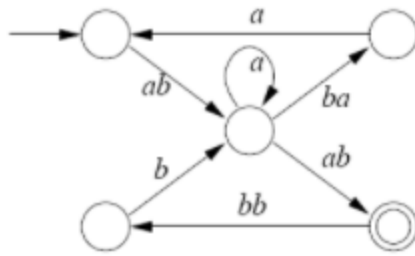
The resultant regular expression is  $(a+b+abba)^*(a+b)$ .



The resultant regular expression is  $(a+b)^* + (baa(a+b)^*(\Lambda+abb))^*$ .



The resultant regular expression is  $a^*(abba+abb+bb)(a+b)^*$ .



The resultant regular expression is  $ab(baaab + a + abbbb)^*ab$  .