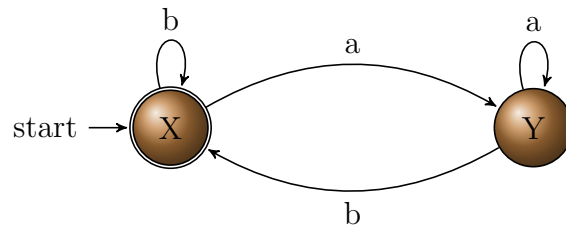
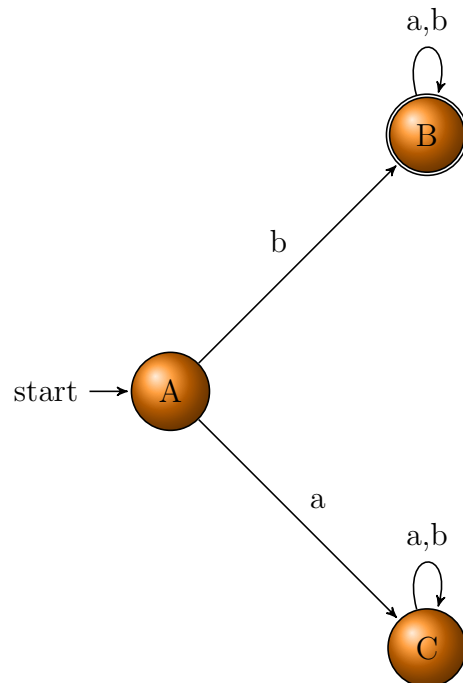


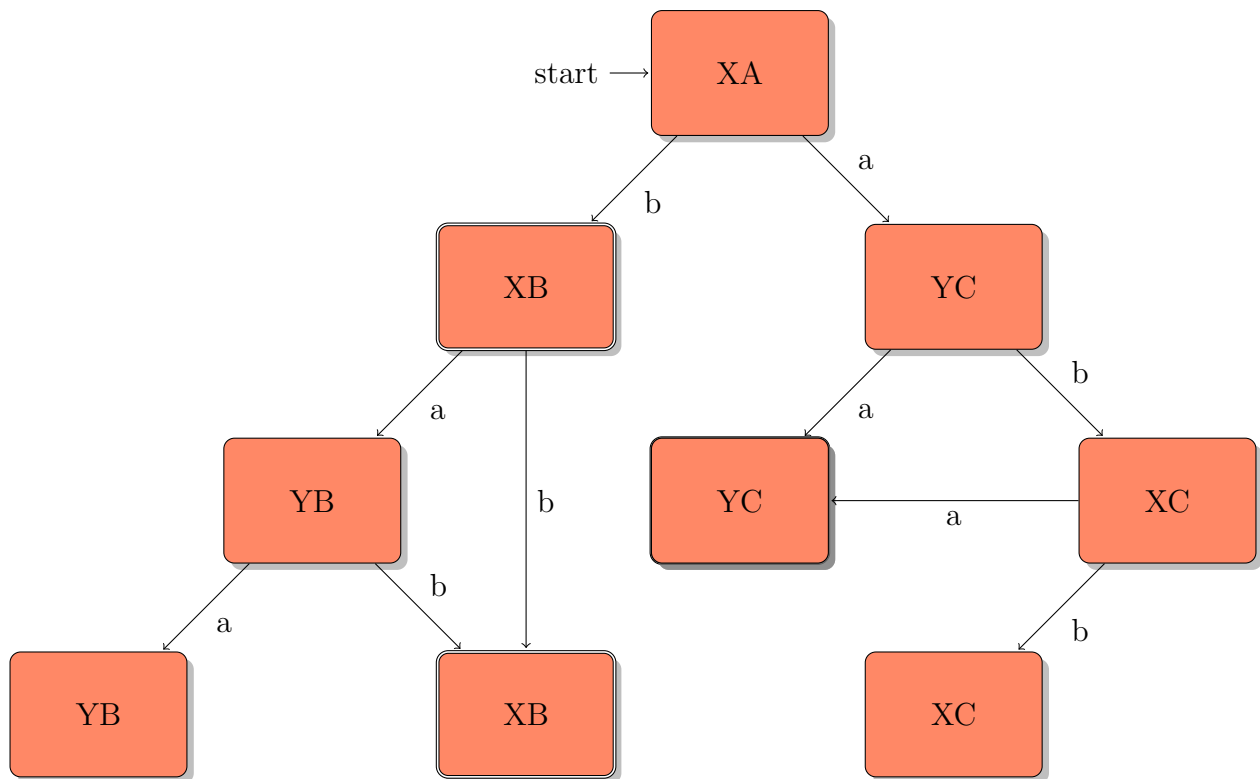
**Figure 1:** Q01:  $L_1 = (a+b)^*a$



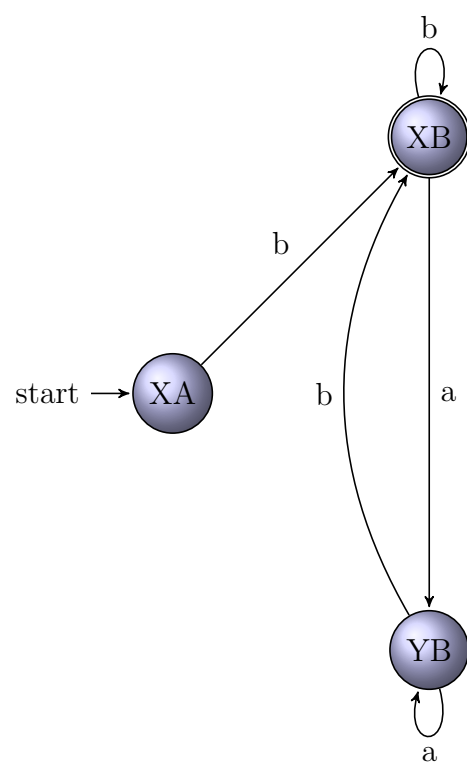
**Figure 2:** Q01:  $L_2 = b(a+b)^*$



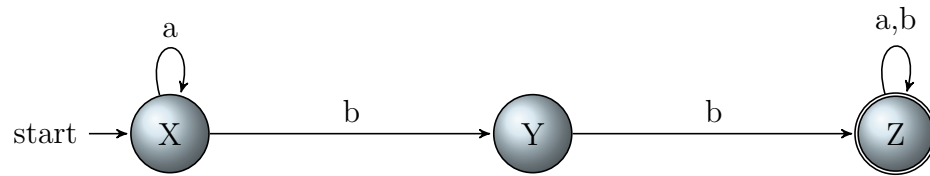
**Figure 3:** Q01:  $L_1 \cap L_2$



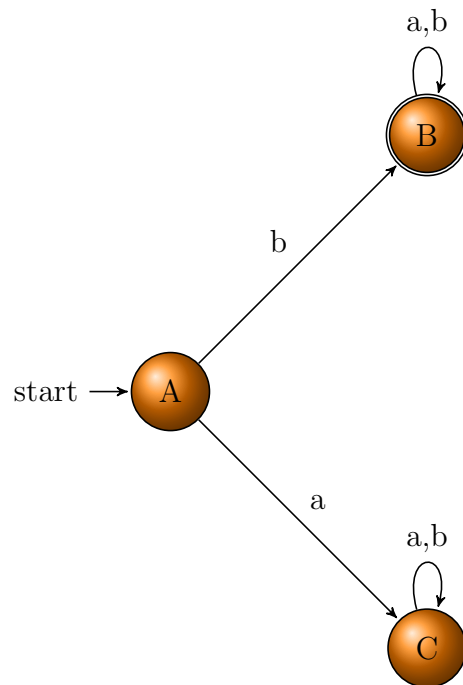
**Figure 4:** Q01:  $L_3 = b(b+aa^*b)^*$



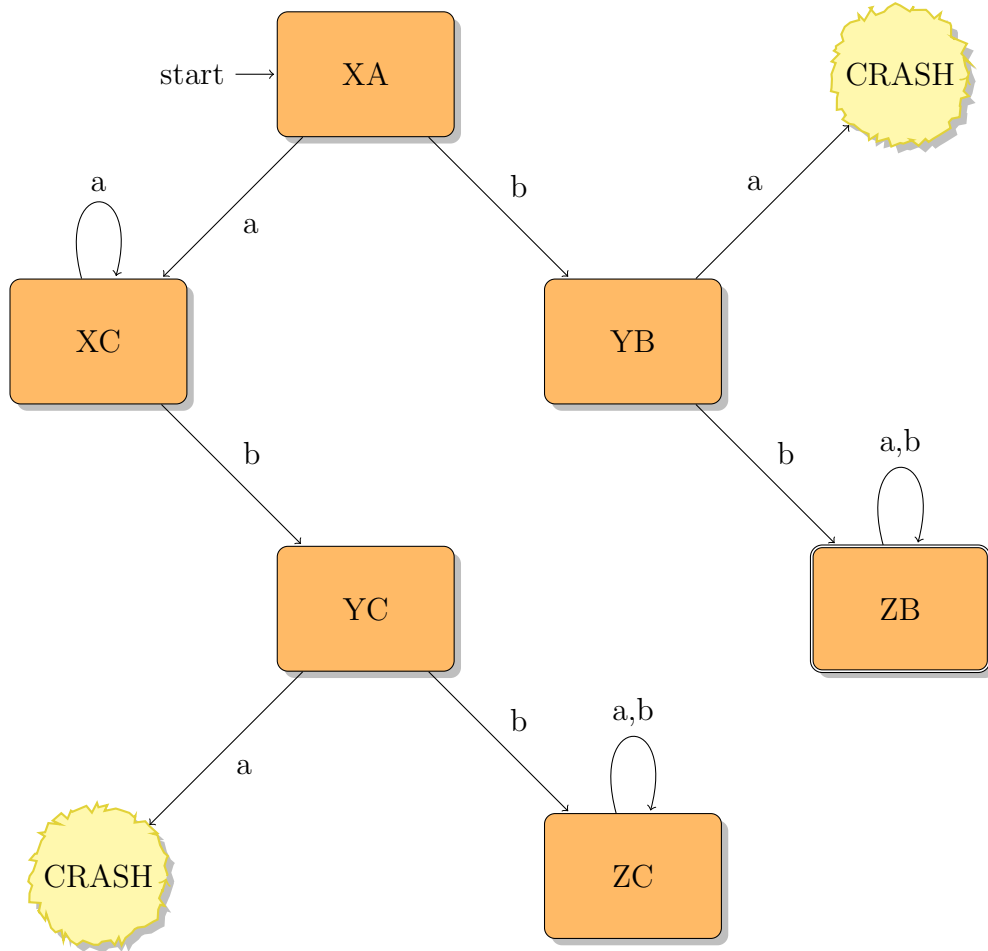
**Figure 5:** Q02:  $L_1 = (a+b)b(a+b)^*$



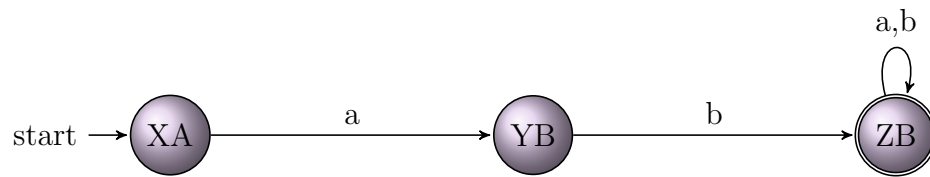
**Figure 6:** Q02:  $L_2 = b(a+b)^*$



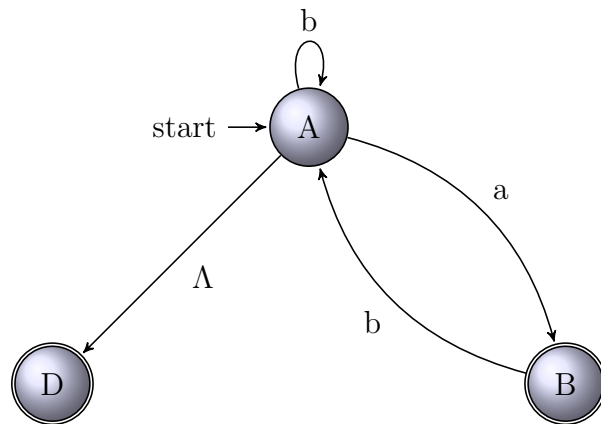
**Figure 7:** Q02:  $L_1 \cap L_2$



**Figure 8:** Q02:  $L_3 = ab(a+b)^*$



**Figure 9:** Q03:  $L_1 = (b+ab)^*(a+\Lambda)$



**Figure 10:** Q03:  $L_2 = (a+b)^*aa(a+b)^*$

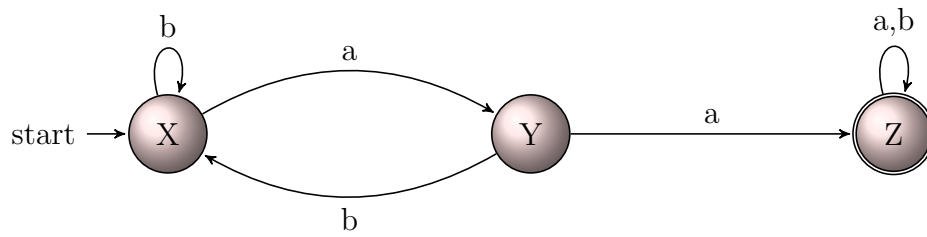
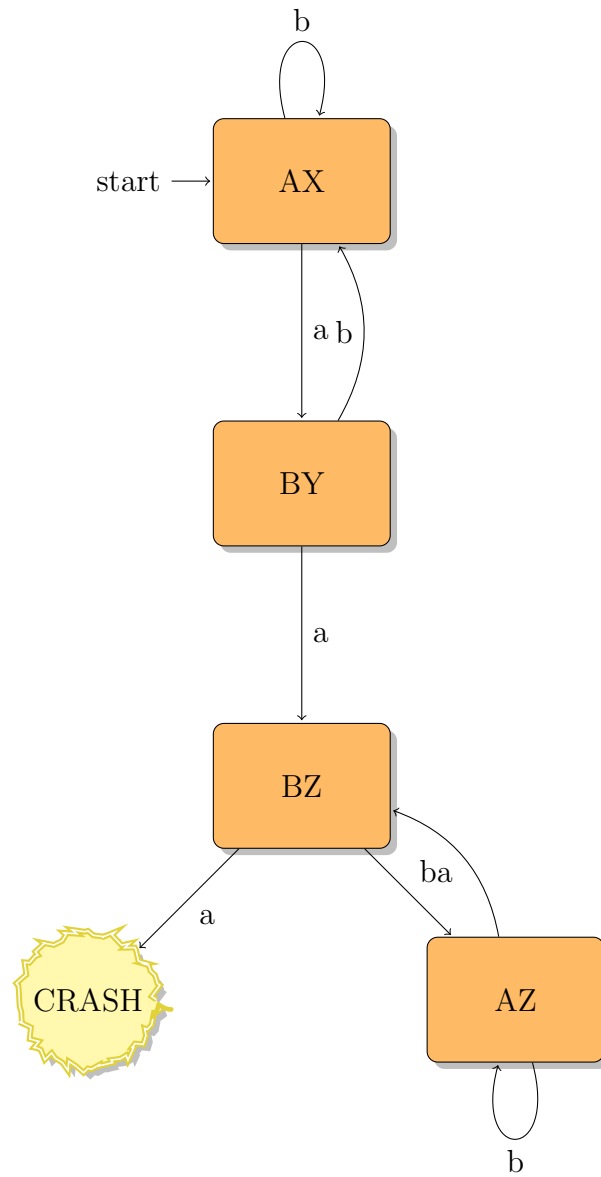
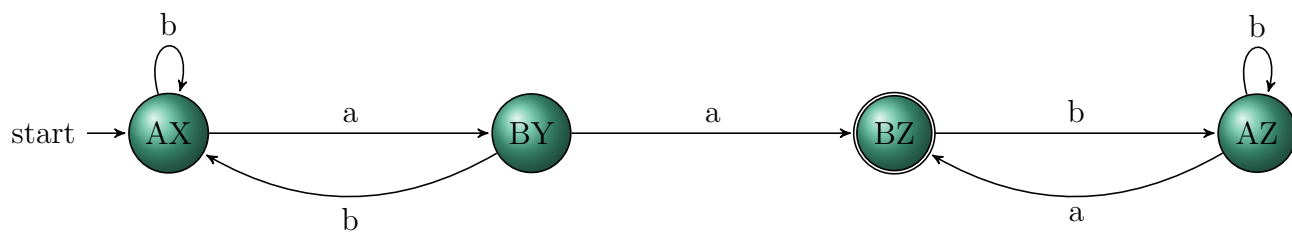


Figure 11: Q02:  $L_1 \cap L_2$

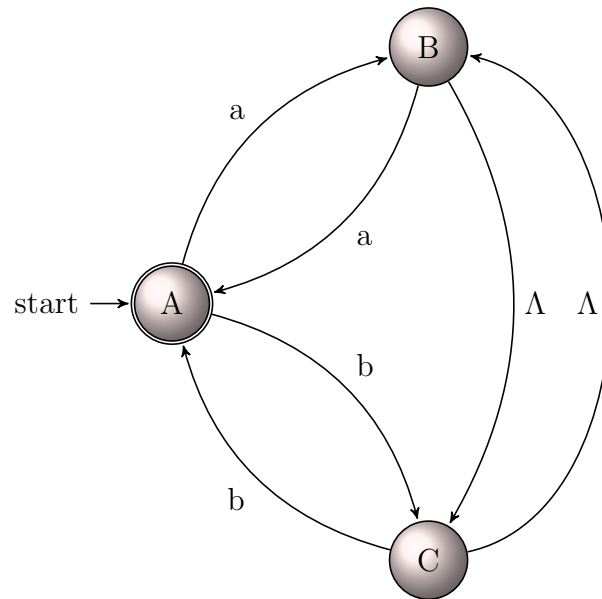


**Figure 12:** Q03:  $L_3 = (b+ab)^*aa(bb^*a)^*$

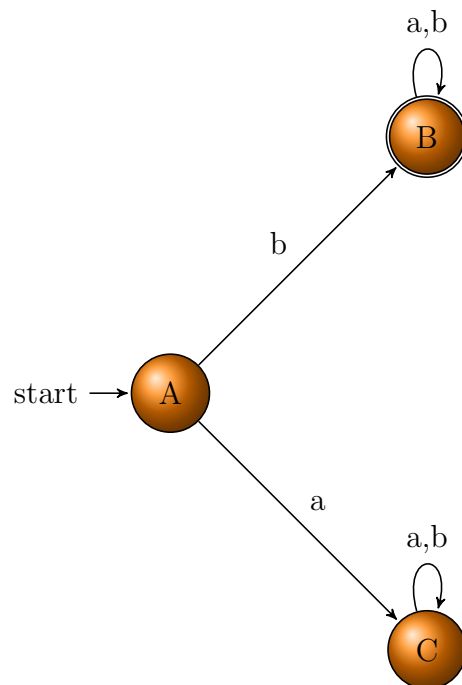




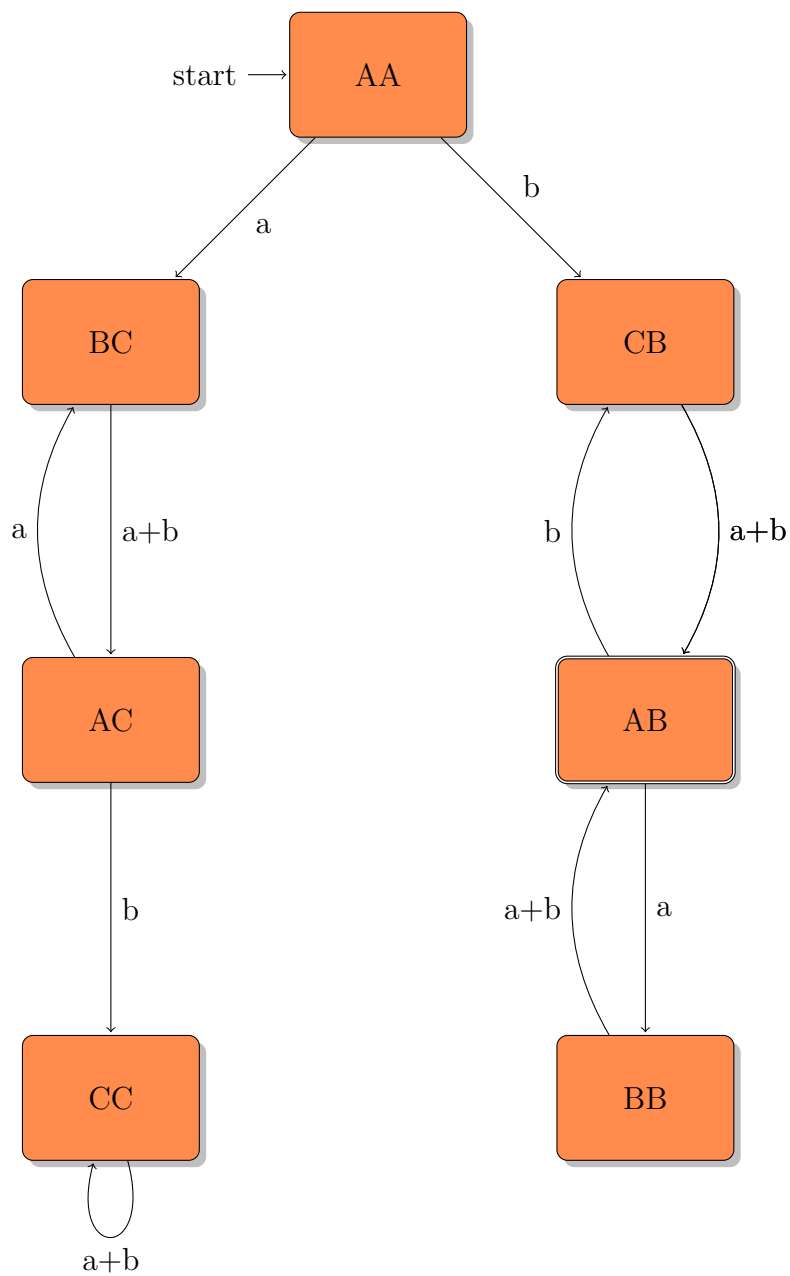
**Figure 13:** Q04:  $L_1 = (aa+ab+ba+bb)^*$



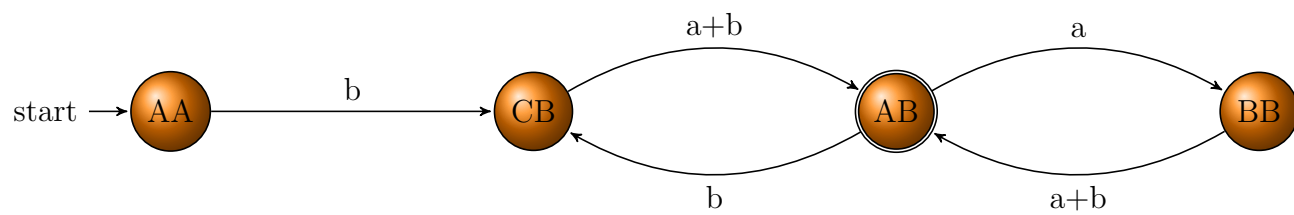
**Figure 14:** Q04:  $L_2 = b(a+b)^*$



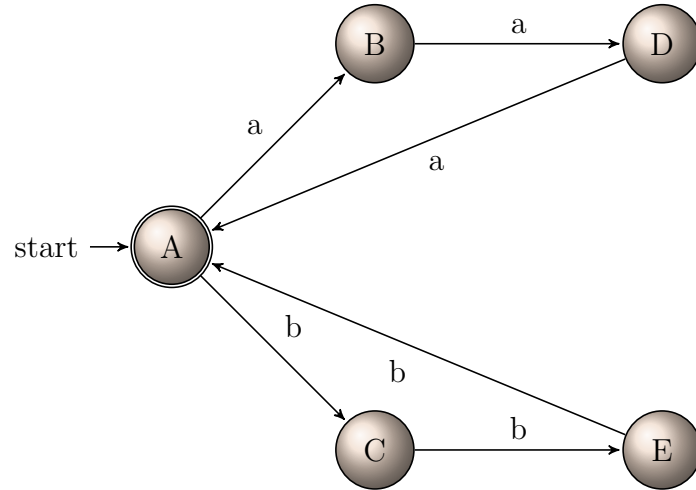
**Figure 15:** Q04:  $L_1 \cap L_2$



**Figure 16:** Q04:  $L_3 = b(a+b)(b(a+b)+a(a+b))$



**Figure 17:** Q05:  $L_1 = (aaa+bbb)^*$



**Figure 18:** Q05:  $L_2 = a(a+b)^*$

