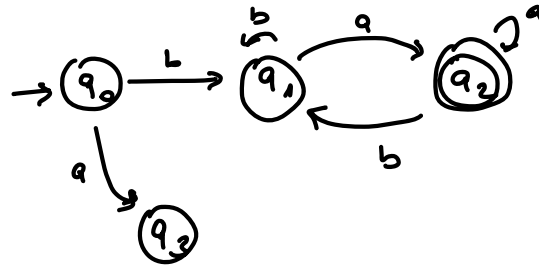


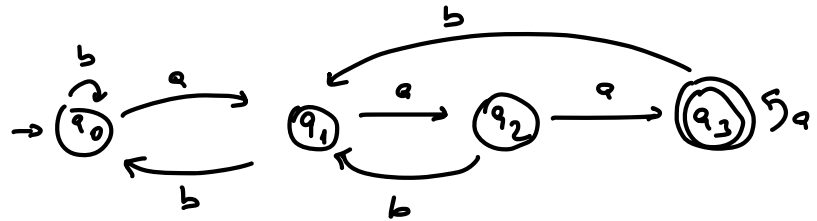
Ödev 29.1:

$b(a+b)^*a$



Ödev 29.2:

$(a+b)^* a a (a+b)^* a$

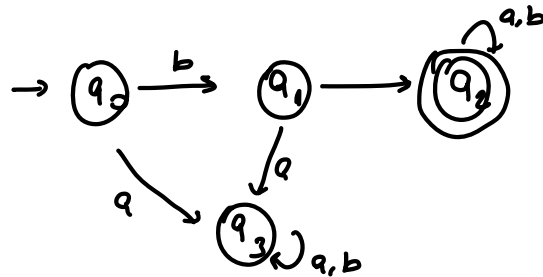


Ödev 29.3:

$L_1 \cap L_2$  yoktur. Bir kelime hem "a" hem "b" sembolüyle bitmez.

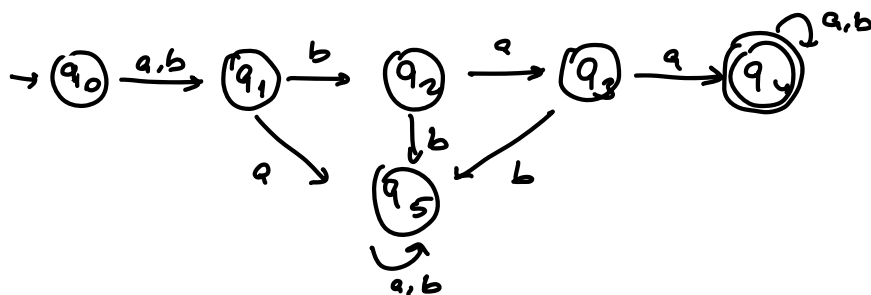
Ödev 29.4:

$bb(a+b)^*$



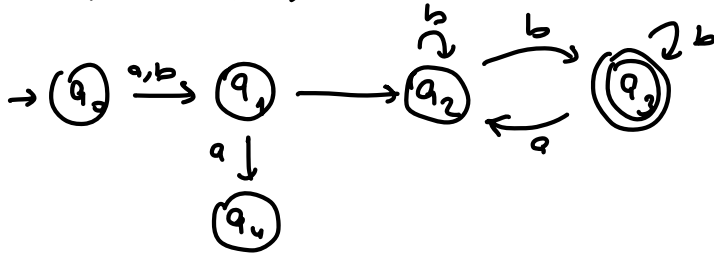
Ödev 29.5:

$(a+b)baa(a+b)^*$



Ödev 29.6:

$$(a+b)^*b(a+b)^*b$$



Ödev 29.7:

$L_1 \cap L_2$  yoktur.

↳  $L_1$ : ardışık "a" içermeyen kelimelerin dil.

↳  $L_2$ : ardışık "a" içeren bir dil.

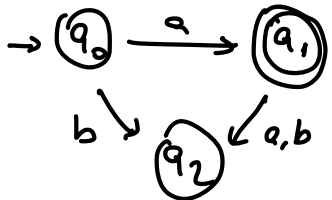
→ Yani kesişimi mevcut değildir.

Ödev 29.8:

?

Ödev 29.9:

$L_1 \cap L_2 = \{ 'a' \}$  yalnızca "a" harf:ni tek boşuna kelime olarak kabul eder.



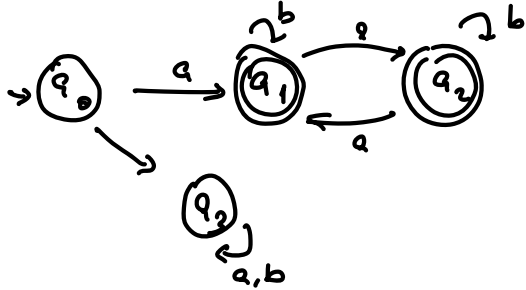
Ödev 29.10.:

$L_1 \cap L_2$  yoktur.  $L_1$  her durumda "a" harf: ile boşlar ya da "x" deşerini alır.  $L_2$  ise "b" harf: ile boşlanak zorunda değildir.

Ödev 29.11:

$L_1$  dil:  $L_2$  dilini kapsar. Bu yüzden  $L_1 \cap L_2 = L_2$  dir.

$L_2: a(a+b)^*$

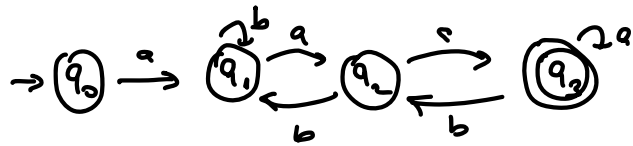


Ödev 29.12:

$L_1 = a : a$  başlayan ya da  $x$  olan kelimeler

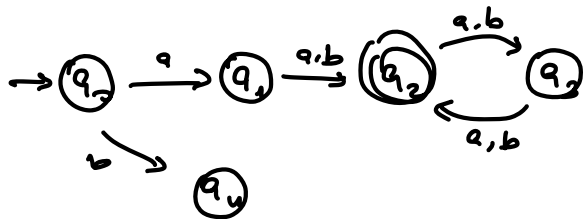
$L_2 = "aa"$  içeren kelimeler

$L_1 \cap L_2 = a(a+b)^*aa(a+b)^*$



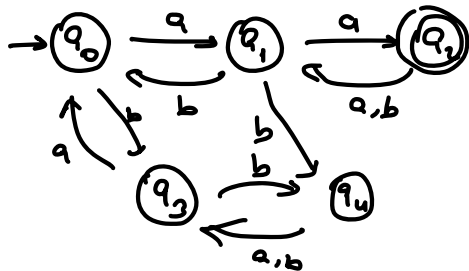
Ödev 29.13:

$a(a+b)(aa+ab+ba+bb)^*$



Ödev 29.14:

$(aa+ab+ba+bb)^*aa(aa+ab+ba+bb)^*$

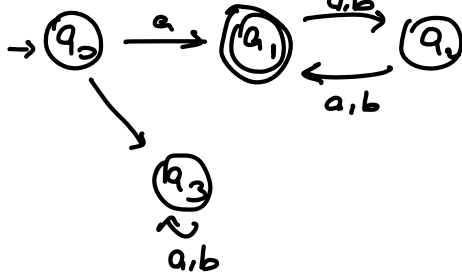


Ödev 29.15:

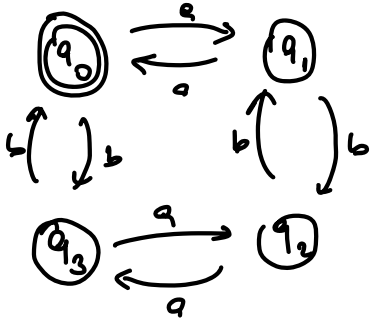
?

Örnek 29.16:

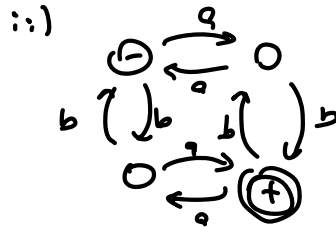
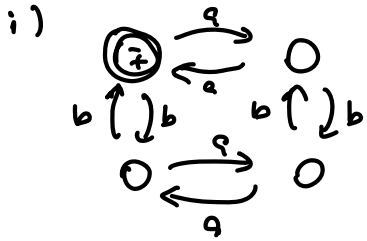
$$a (aa + ba + ab + bb)^*$$



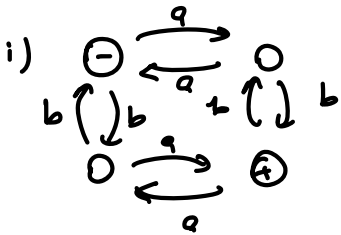
Örnek 29.17:



Örnek 29.18:



Örnek 29.19:



ii)  $L_1 \cap L_2$  yoktur. Çünki: "a" sayısı +2L "b" sayısı  
çift olursa kelime uzunluğu çift olur.