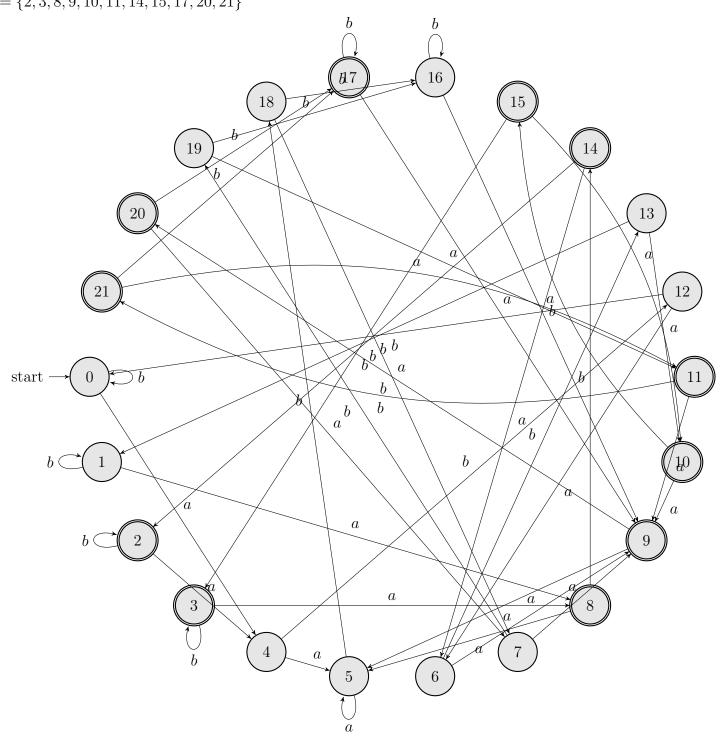
```
\begin{split} \Sigma &= \{a,b\} \\ q_0 &= 0 \\ F &= \{2,3,8,9,10,11,14,15,17,20,21\} \end{split}
```



```
(((ab)(ab))((bb^*a)b))((((bb^*a)b)(ab) + ab)((bb^*a)b))^*((((bb^*a)b)(ab) + ab)(a(ab)) + ((bb^*a)b)((aa)b) + ab)(a(ab)) 
 ab)((bb^*a)b))^*((((bb^*a)b)(ab)+ab)(a(a(aa^*b))+(bb^*a)(aa^*b))+((bb^*a)b)((aa)(aa^*b))+(aa)(aa^*b)+(aa)(aa^*b))+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa)(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b)+(aa^*b
 ((bb^*a)a)a^*b) + a(a(aa^*b)) + (bb^*a)(aa^*b)) + (((ab)(ab))((bb^*a)b))((((bb^*a)b)(ab) + ab)((bb^*a)b))^* + (((bb^*a)b)(ab) + ab)((bb^*a)b))^* + (((bb^*a)b)(ab) + ab)((bb^*a)b) + (((bb^*a)b)(ab) + ab)((bb^*a)b))^* + (((bb^*a)b)(ab) + ab)((bb^*a)b))^* + (((bb^*a)b)(ab) + ab)((bb^*a)b) + (((bb^*a)b)(ab) + ((bb^*a)b)(ab) + ((
ab)(a(a(aa^*b)) + (bb^*a)(aa^*b)) + ((bb^*a)b)((aa)(aa^*b)) + (aa)(aa^*b) + ((bb^*a)a)a^*b) + ((ab)(ab))(a(a(aa^*b)) + (ab)(aa^*b)) + (ab)(aa^*b) + (ab)(ab)(aa^*b) + (ab)(ab)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*
 (bb^*a)(aa^*b)) + (ab)((aa)(aa^*b)) + (aa)a^*b)((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + (aa)b))((((aa)(aa^*b) + (ab)(aa^*b)) + (ab)(aa^*b)) + (ab)(aa^*b)) + (ab)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^
bb^*(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab) + ab)((bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))^*(ab) + ab)((aa^*b) + ab)((a
a(ab) + (bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + (aa)b)) + ((aa)(aa^*b) + (aa)(aa^*b))^*(bb^*(ab) + (aa)(aa^*b)) + (aa)(aa^*b) + (aa)(a
 bb^*(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + (aa)b) + bb^*(ab) + (aa)b)^*((((aa)(aa^*b) + bb^*(a(aa^*b)))((aa)(aa^*b) + bb^*(aa^*b))((aa)(aa^*b) + bb^*(aa^*b)((aa)(aa^*b) + bb^*(aa^*b)((aa)(aa^*b)(aa^*b)((aa)(aa^*b)(aa^*b)((aa)(aa^*b)(aa^*b)(aa^*b)((aa)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(a
bb^*(a(aa^*b)))^*(ab) + ab)((bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))^*(ab)) + (((((ab)(ab))((bb^*a)(aa^*b)))^*(ab) + ab)((aa^*b)(aa^*b)) + a(aa^*b)(aa^*b)(aa^*b) + ab)(aa^*b)(aa^*b) + ab)(aa^*b)(aa^*b) + ab)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^
 ab)(ab)) + ab)^*(((bb^*a)b)((((bb^*a)b)(ab) + ab)((bb^*a)b))^*((((bb^*a)b)(ab) + ab)(a(a(aa^*b)) + (bb^*a)(aa^*b)) + ab)(ab)^*(((aa^*b)b)(ab) + ab)(ab)^*(((aa^*b)b)(ab) + ab)(ab)^*((aa^*b)b)(ab) + ab)(ab)^*((aa^*b)b)(ab) + ab)(ab)^*((aa^*b)b)(ab) + ab)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((aa^*b)b)(ab)^*((ab)^*((ab)^*(aa^*b)b)(ab)^*((ab)^*((ab)^*(aa^*b)(ab)^*((ab)^*((ab)^*(ab)^*((ab)^*((ab)^*((ab)^*((ab)^*((ab)^*((ab)^*((ab)^*((ab)^*((ab)^
(ab)((bb^*a)b))^*((((bb^*a)b)(ab) + ab)(a(a(aa^*b)) + (bb^*a)(aa^*b)) + ((bb^*a)b)((aa)(aa^*b)) + (aa)(aa^*b) + (aa^*b)(aa^*b) + (aa^*b)(aa^*b)(aa^*b) + (aa^*b)(aa^*b)(aa^*b)(aa^*b) + (aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*
((bb^*a)a)a^*b) + ((ab)(ab))(a(a(aa^*b)) + (bb^*a)(aa^*b)) + (ab)((aa)(aa^*b)) + (aa)(aa^*b) + (ba)(aa^*b) + (ba)(aa^*b)(aa^*b) + (ba)(aa^*b)(aa^*b) + (ba)(aa^*b)(aa^*b) + (ba)(aa^*b)(aa^*b)(aa^*b) + (ba)(aa^*b
a(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))^*(ab))((((bb^*(a(aa^*b))+a(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab)))(aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*a)(aa^*b))((aa)(aa^*b)+bb^*(aa^*b))((aa)(aa^*b)+bb^*(aa^*a)(aa^*b))((aa)(aa^*b)+bb^*(aa^*a)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)
 a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))^*(bb^*(ab) + a(ab) + (bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))^*(ab) + a(ab) + a(ab) + a(ab) + a(aa^*b))((aa)(aa^*b) + a(ab) + a
 bb^*(a(aa^*b)))^*(bb^*(ab) + (aa)b)) + bb^*(ab) + a(ab) + (bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + a(ab) + 
 (aa)b))((((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab)+ab)((bb^*(a(aa^*b))+a(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b))((aa)(aa^*b)+bb^*(a(aa^*b))((aa)(aa^*b)+bb^*(a(aa^*b))((aa)(aa^*b)+bb^*(a(aa^*b))((aa)(aa^*b)+bb^*(a(aa^*b))((aa)(aa^*b)+bb^*(a(aa^*b))((aa)(aa^*b)+bb^*(a(aa^*b))((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)+bb^*(aa)(aa^*b)((aa)(aa^*b)(aa^*b)((aa)(aa^*b)(aa^*b)(aa^*b)((aa)(aa^*b)(aa^*b)(aa^*b)((aa)(aa^*b)(aa^*b)((aa)(aa^*b)(aa^*a)(aa^*b)(aa^*b)(aa^*b)(aa^*a)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^
bb^*(a(aa^*b)))^*(ab))^*(bb^*(ab) + a(ab) + (bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + a(ab) + (ab)(aa^*b)) + a(ab)(aa^*b) + a(aa^*b)(aa^*b) + a(aa^*b)(aa^*b) + a(aa^*b)(aa^*b) + a(aa^*b)(aa^*b) + a(aa^*b)(aa^*b)(aa^*b) + a(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b) + a(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa
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   ((bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))((bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))((bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))((bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))((bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))((ab)(aa^*b) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))((aa)(aa^*b) + a(a(aa^*b)))((aa)(aa^*b) + a(aa^*b))((aa)(aa^*b) + a(aa^*b)(aa^*b) + a(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(
 bb^*(a(aa^*b)))^*(ab))^*(ab)+ab)^*((((bb^*(a(aa^*b))+a(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))((bb^*(a(aa^*b))+ab))((ab)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa^*b)+ab))((aa)(aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)+ab)((aa)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b
a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))^*(bb^*(ab) + a(ab) + (bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))^*(ab) + a(ab) + a(ab) + a(ab) + a(aa^*b)) + a(a(aa^*b)) + a(aa^*b) + a(aa^*b)) + a(aa^*b) 
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 (aa)b)) + ((aa)(aa^*b) + bb^*(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + (aa)b) + bb^*(ab) + (aa)b)^*((((aa)(aa^*b) + bb^*(ab) + (aa)b) + (aa)b)) + (aa)(aa^*b) + bb^*(aa^*b) + (aa)(aa^*b) + (aa)(aa^*
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 a(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(bb^*a+(aa))+bb^*a+a(a+1))+bb^*(a+1)+(aa)+1+((aa)(aa^*b)+aa)+aa(aa^*b))+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*a)+aa(aa^*b)+aa(aa^*b)+aa(aa^*a)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+
bb^*(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*a + (aa))) + ((bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + a(aa^*b)))((aa)(aa^*b) + a(aa^*b))((aa)(aa^*b) + a(aa^*b)))((aa)(aa^*b) + a(aa^*b))((aa)(aa^*b) + a(aa^*b)(aa^*b)((aa^*b) + a(aa^*b)(aa^*b)((aa^*b) + a(aa^*b)(aa^*b)((aa^*b) + a(aa^*b)(aa^*b)((aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*
bb^*(a(aa^*b)))^*(ab))((bb^*(a(aa^*b))+a(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))^*((bb^*(a(aa^*b))+a(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))^*(ab))((aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b)))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(a(aa^*b))(aa)(aa^*b)+a(aa^*b)(aa)(aa^*b)+a(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa
bb^*(a(aa^*b)))^*(bb^*a + (aa)) + bb^*a + a(a+1)) + (bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*a + a(a+1)) + (bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*a + a(a+1)) + (bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*a + a(aa^*b)))
 (ab)((bb^*a)b))^*((((bb^*a)b)(ab) + ab)(a(a(aa^*b)) + (bb^*a)(aa^*b)) + ((bb^*a)b)((aa)(aa^*b)) + (aa)(aa^*b) + (aa^*b)(aa^*b) + (aa)(aa^*b) + (aa)(aa^*b)
 ab)(a(a(aa^*b)) + (bb^*a)(aa^*b)) + ((bb^*a)b)((aa)(aa^*b)) + (aa)(aa^*b) + ((bb^*a)a)a^*b) + ((ab)(ab))(a(a(aa^*b)) + (ab)(aa^*b)) + (ab)(aa^*b) + (ab)(ab)(aa^*b) + (ab)(ab)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*
   (bb^*a)(aa^*b)) + (ab)((aa)(aa^*b)) + (aa)a^*b)((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))((bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b)) + bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b)) + a(a(aa^*b)) + a(aa^*b))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))((aa)(aa^*b) + a(aa^*b)) + a(aa^*b)(aa^*b) + a(aa^*b)(aa^*b)(aa^*b) + a(aa^*b)(aa^*b)(aa^*b) + a(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(a
bb^*(a(aa^*b)))^*(ab))^*(bb^*(ab) + a(ab) + (bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + a(ab) + (ab)(aa^*b)) + a(aa^*b))(aa)(aa^*b) + a(aa^*b)(aa^*b) + a(aa^*b)(aa^*b)(aa^*b) + a(aa^*b)(aa^*b)(aa^*b)(aa^*b) + a(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b
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(ab)((bb^*a)b))^*((((bb^*a)b)(ab) + ab)(a(a(aa^*b)) + (bb^*a)(aa^*b)) + ((bb^*a)b)((aa)(aa^*b)) + (aa)(aa^*b) + (aa^*b)(aa^*b) + (aa^*b)(aa^*b) + (aa^*b)(aa^*b) + (aa^*b)(aa^*b) + (aa^*b)(aa^*b)(aa^*b) + (aa^*b)(aa^*b)(aa^*b) + (aa^*b)(aa^*b)(aa^*b)(aa^*b) + (aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)
   ((bb^*a)a)a^*b) + ((ab)(ab))(a(a(aa^*b)) + (bb^*a)(aa^*b)) + (ab)((aa)(aa^*b)) + (aa)a^*b)((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*a)(aa^*b) + (ab)(ab)(aa^*b) + (ab)(ab)(aa^*b) + (ab)(ab)(aa^*b) + (ab)(ab)(aa^*b) + (ab)(ab)(aa^*b) + (ab)(ab)(aa^*b) + (ab)(aa^*b)(aa^*b) + (ab)(ab)(aa^*b)(aa^*b) + (ab)(ab)(aa^*b)(aa^*b) + (ab)(ab)(aa^*b)(aa^*b)(aa^*b)(aa^*b) + (ab)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa
   bb^*(a(aa^*b)))^*(ab))^*(bb^*(ab) + a(ab) + (bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + a(ab) + (bb^*(a(aa^*b))) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + a(ab) + (bb^*(a(aa^*b))) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + a(ab) + (bb^*(a(aa^*b))) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + a(ab) + a(ab)
 (aa)b)) + ((aa)(aa^*b) + bb^*(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*(ab) + (aa)b) + bb^*(ab) + (aa)b)^*((((aa)(aa^*b) + bb^*(ab) + (aa)b) + (aa)b)) + (aa)(aa^*b) + (aa)(aa^*
 bb^*(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab) + ab)((bb^*(a(aa^*b)) + a(a(aa^*b)))((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab))^*(ab) + ab)((aa^*b) + ab)((a
 a(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(bb^*a+(aa))+bb^*a+a(a+1))+bb^*(a+1)+(aa)+1+((aa)(aa^*b)+aa)+aa(aa^*b))+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*a)+aa(aa^*b)+aa(aa^*b)+aa(aa^*a)+aa(aa^*b)+aa(aa^*a)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+aa(aa^*b)+
 ab)((bb^*a)b))^*((((bb^*a)b)(ab) + ab)(a(a(aa^*b)) + (bb^*a)(aa^*b)) + ((bb^*a)b)((aa)(aa^*b)) + (aa)(aa^*b) + (
 ab)(a(a(aa^*b)) + (bb^*a)(aa^*b)) + ((bb^*a)b)((aa)(aa^*b)) + (aa)(aa^*b) + ((bb^*a)a)a^*b) + ((ab)(ab))(a(a(aa^*b)) + (aa)(aa^*b)) + (aa)(aa^*b) + (aa)(a
 (bb^*a)(aa^*b)) + (ab)((aa)(aa^*b)) + (aa)a^*b)((aa)(aa^*b) + bb^*(a(aa^*b)))^*(bb^*a + (aa)) + (((ab)(ab))((bb^*a)b))(((bb^*a)b)) + (ab)(aa^*b) + (ab)(aa
 (aa) + bb^* + 1) + a(a+1) + (bb^*a) + bb^* + 1) + ((ab)(ab))(a(a+1) + (bb^*a)) + (ab)((aa)) + (((ab)(ab))((bb^*a)b))((((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*a)b))(((bb^*
 (ab)((bb^*a)b))^*((((bb^*a)b)(ab)+ab)(a(a+1)+(bb^*a))+((bb^*a)b)((aa))+(aa)+bb^*+1)+(((((ab)(ab))((bb^*a)b))(((bb^*a)b))))
 ((bb^*a)b)((aa)(aa^*b)) + (aa)(aa^*b) + ((bb^*a)a)a^*b) + a(a(aa^*b)) + (bb^*a)(aa^*b)) + (((ab)(ab))((bb^*a)b))((((bb^*a)b)(aa^*b)) + ((ab)(ab)(aa^*b)) + ((ab)(ab)(aa^*b)(aa^*b)) + ((ab)(ab)(aa^*b)(aa^*b)) + ((ab)(ab)(aa^*b)(aa^*b)(aa^*b)(aa^*b) + ((ab)(ab)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa^*b)(aa
 ab)((bb^*a)b))^*((((bb^*a)b)(ab) + ab)(a(a(aa^*b)) + (bb^*a)(aa^*b)) + ((bb^*a)b)((aa)(aa^*b)) + (aa)(aa^*b) + (aa)(aa^*b)) + (aa)(aa^*b) + 
 ((bb^*a)a)a^*b) + ((ab)(ab))(a(a(aa^*b)) + (bb^*a)(aa^*b)) + (ab)((aa)(aa^*b)) + (aa)a^*b)((aa)(aa^*b) + bb^*(a(aa^*b)))^*(ab)(aa^*b) + (aa)(aa^*b) + (aa)
 a(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(ab))^*((bb^*(a(aa^*b))+a(a(aa^*b)))((aa)(aa^*b)+bb^*(a(aa^*b)))^*(bb^*a+ba^*b)))
 (aa) + bb^*a + a(a+1))
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