



Word Classification

a

a⁻¹

b

b⁻¹

c

c⁻¹

d

d⁻¹

Word: a⁻¹bc⁻¹dacd⁻¹b⁻¹

Delete

Clear

Get Solution

Help

```

= a-1b(c-1dacd-1)b-1
[Cylinder rule]~ a-1b(acd-1c-1d)b-1
= ba(cd-1c-1db-1)a-1
[Cylinder rule]~ ba(b-1cd-1c-1d)a-1
we may express this as a sum of a Torus and some word: (a-1bab-1)cd-1c-1d
~ T # cd-1c-1d
we may express this as a sum of a Torus and some word: (cd-1c-1d)
~ T
T # T

```