1. S → BSA | BS | BA | SA |B |S | A

A → Aa | a

B → Bba | ba

1. S → AS | cC | bB |b

A → aA | bB | cC | b

B → bB |b

C → cC | bB | b

1. S → CD | EC

A → AA | C

B → FB | D

E → BA

F → AD

C → a

D → b

1. S → QV | WY | WV |W

X → QV | WV

Y → WY | W

Q → WX

W → a

V → b