```
$  ───────→  $IF A DOG CHEWS SHOES WHOSE SHOES DOES HE CHOOSE   E 0
_  ───────→  A DOG CHEWS SHOES WHOSE SHOES DOES HE CHOOSE$IF    F 0
             CHEWS SHOES WHOSE SHOES DOES HE CHOOSE$IF A DOG    G 0
             CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOES DOES HE    E 1
             DOES HE CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOES    S 0
             DOG CHEWS SHOES WHOSE SHOES DOES HE CHOOSE$IF A    A 0
             HE CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOES DOES    S 1
             SHOES DOES HE CHOOSE$IF A DOG CHEWS SHOES WHOSE    E 2
             SHOES WHOSE SHOES DOES HE CHOOSE$IF A DOG CHEWS    S 2
A            WHOSE SHOES DOES HE CHOOSE$IF A DOG CHEWS SHOES    S 3
B            A DOG CHEWS SHOES WHOSE SHOES DOES HE CHOOSE$IF    0
             CHEWS SHOES WHOSE SHOES DOES HE CHOOSE$IF A DOG    1
C            CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOES DOES HE    2
             DOES HE CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOES    3
D            DOG CHEWS SHOES WHOSE SHOES DOES HE CHOOSE$IF A    4
             E CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOES DOES     H 0
E            E SHOES DOES HE CHOOSE$IF A DOG CHEWS SHOES WHOS   S 4
             E$IF A DOG CHEWS SHOES WHOSE SHOES DOES HE CHOOS   S 5
F            ES DOES HE CHOOSE$IF A DOG CHEWS SHOES WHOSE SHO   O 0
             ES HE CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOES DO   O 1
G            ES WHOSE SHOES DOES HE CHOOSE$IF A DOG CHEWS SHO   O 2
             EWS SHOES WHOSE SHOES DOES HE CHOOSE$IF A DOG CH   H 1
H            F A DOG CHEWS SHOES WHOSE SHOES DOES HE CHOOSE$I   I 0
             G CHEWS SHOES WHOSE SHOES DOES HE CHOOSE$IF A DO   O 3
I            HE CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOES DOES    5
             HEWS SHOES WHOSE SHOES DOES HE CHOOSE$IF A DOG C   C 0
J            HOES DOES HE CHOOSE$IF A DOG CHEWS SHOES WHOSE S   S 6
             HOES WHOSE SHOES DOES HE CHOOSE$IF A DOG CHEWS S   S 7
K            HOOSE$IF A DOG CHEWS SHOES WHOSE SHOES DOES HE C   C 1
             HOSE SHOES DOES HE CHOOSE$IF A DOG CHEWS SHOES W   W 0
L            IF A DOG CHEWS SHOES WHOSE SHOES DOES HE CHOOSE$   $ 0
M            OES DOES HE CHOOSE$IF A DOG CHEWS SHOES WHOSE SH   H 2
             OES HE CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOES D   D 0
N            OES WHOSE SHOES DOES HE CHOOSE$IF A DOG CHEWS SH   H 3
             OG CHEWS SHOES WHOSE SHOES DOES HE CHOOSE$IF A D   D 1
O            OOSE$IF A DOG CHEWS SHOES WHOSE SHOES DOES HE CH   H 4
             OSE SHOES DOES HE CHOOSE$IF A DOG CHEWS SHOES WH   H 5
P            OSE$IF A DOG CHEWS SHOES WHOSE SHOES DOES HE CHO   O 4
Q            S DOES HE CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOE   E 3
             S HE CHOOSE$IF A DOG CHEWS SHOES WHOSE SHOES DOE   E 4
R            S SHOES WHOSE SHOES DOES HE CHOOSE$IF A DOG CHEW   W 1
             S WHOSE SHOES DOES HE CHOOSE$IF A DOG CHEWS SHOE   E 5
S            SE SHOES DOES HE CHOOSE$IF A DOG CHEWS SHOES WHO   O 5
             SE$IF A DOG CHEWS SHOES WHOSE SHOES DOES HE CHOO   O 6
T            SHOES DOES HE CHOOSE$IF A DOG CHEWS SHOES WHOSE    6
U            SHOES WHOSE SHOES DOES HE CHOOSE$IF A DOG CHEWS    7
V            WHOSE SHOES DOES HE CHOOSE$IF A DOG CHEWS SHOES    8
W            WS SHOES WHOSE SHOES DOES HE CHOOSE$IF A DOG CHE   E 6
X
Y
Z
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