${\tt Encoding Tree From Morse Code}$

HVSFUIL.RPJWAEBXDCYKN,ZQGOMT□ HVSFUIL.RPJWAE BXDCYKN, ZQGOMT 4 ₹3 4-5 Ε ,ZQGOM T HVSFUI L.RPJWA BXDÇYKN 3/454/56 4 5 6 5/67 HYS FU I L,R PJW A BXD CYK N ,ZQG O M 4/\$\(6 \) 5/\$\(7 \) 6/78 5/6/7/8 L R P J W \$ 7 910 B X D C Y K \$ 9 910 ,z QGO 8/910 H V F РJ B X C YΖQ 12 13

Mean Cost: 6.345901376881202	
Source Symbol	Cost
$H \rightarrow SSSSS$	7.0
$V \to SSSW^1SS$	8.0
$S \to SSSW^2S$	6.0
$F \to SSW^1SSS$	8.0
$U \to SSW^1SW^1S$	7.0
$I \to SSW^2S$	5.0
$L \to SW^1SSSS$	8.0
$. \to SW^1SSW^1SSSS$	12.0
$R \to SW^1SSW^2S$	7.0
$P \to SW^1SW^1SSS$	9.0
$J \to SW^1SW^1SW^1SS$	10.0
$W \to SW^1SW^1SW^2S$	8.0
$A \to SW^1SW^2S$	6.0
$E \to SW^2S$	4.0
$B \to W^1 SSSSS$	8.0
$X \to W^1 SSSW^1 SS$	9.0
$D \to W^1 SSSW^2 S$	7.0
$C \to W^1 SSW^1 SSS$	9.0
$Y \to W^1 SSW^1 SW^1 SS$	10.0
$K \to W^1 S S W^1 S W^2 S$	8.0
$N \to W^1 S S W^2 S$	6.0
, \rightarrow W 1 SW 1 SSSSSS	13.0
$Z \to W^1 S W^1 S S S W^1 S$	9.0
$Q \to W^1 S W^1 S S W^1 S S$	10.0
$G \to W^1 S W^1 S S W^2 S$	8.0
$O \to W^1 S W^1 S W^1 S S$	9.0
$M \to W^1 S W^1 S W^2 S$	7.0
$T \to W^1 S W^2 S$	5.0
$\sqcup \to W^2 S$	4.0