Original Corpus to be or not to be take it or leave it Optimal Encoding to be or not to be to be or not it s0 s0 be it or s0 s0 it he s0(take) (leave) 13 encoded tokens No-Common Encoding to be or s0 s0 to be to be s0 or s1 s0 s0 s1 or s1 s1 s0 s1 sÒ 16 encoded tokens (not) (it) (take) (leave) No-Repeats Encoding s0 t0 s0 t1 or s1 t0 s0 t0 s0 t1 s0s1 or s2 s2 t0 s1 t1 or s2 t1 s1 t1

20 encoded tokens

(to) (be) (not) (it) (take) (leave)