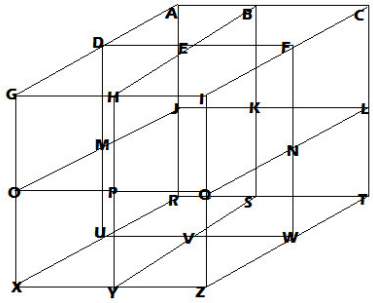
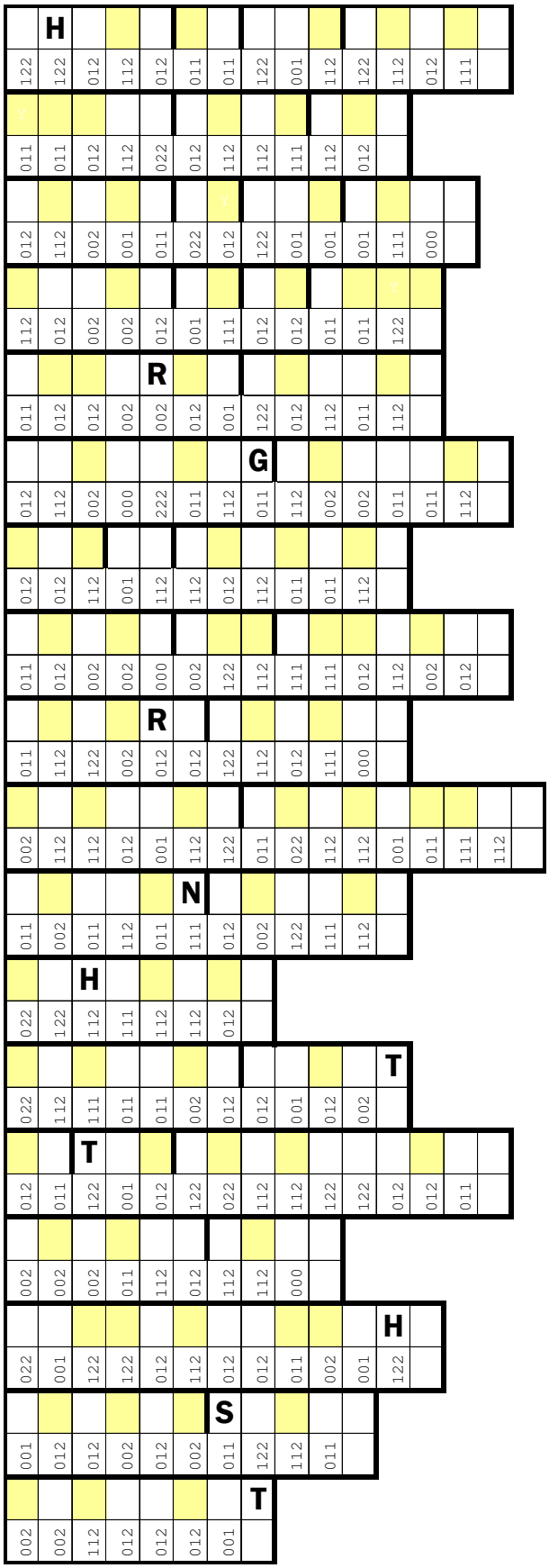
Boxstep

Where: Topless Beach

A dancer takes a break from his routine, and shows you a box with letters written on the corners, centers and edges. "Imagine," he says, "traveling the shortest route from letter to letter. The numbers below each box show the distances you would travel in going from the letter above the number to the next letter, sorted by length. As an example, BOXSTEP is shown below."

B	O	X	S	T	E	P
112	001	012	001	112	011	

The cube is shown below. Although their paths are not shown, EV, KP and MN are connected. Shaded squares are vowels, including Y (even if Y is used as a consonant).