

Student Name: _____

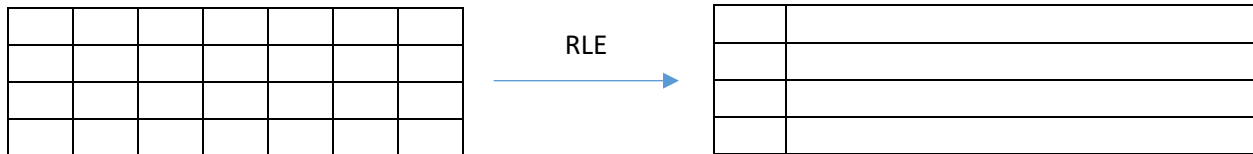
UTor ID: _____

Quiz 6. Run-length encoding

1. Table *orders* stores all pizza orders in a local pizza shop.

Draw a bit-map index for column *extra-toppings*

Date	Pizza	Extra-toppings
1/2/2017	Siciliana	tomatoes
1/2/2017	Canadian	peppers
2/2/2017	Margarita	peppers
2/2/2017	Canadian	onions
3/2/2017	Thin-crust	anchovies
3/2/2017	Margarita	onions



2. Compress each bit-string in your index using run-length encoding.

What is the compression ratio for this example? _____