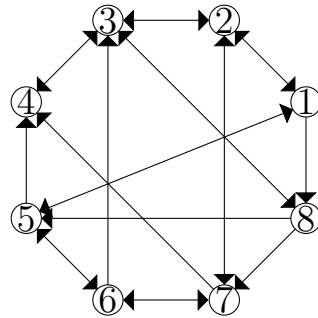


# Linear Algebra

## Some problems

How do we rank websites?



The Internet

Which website is the most important?

### Where do they go?

The table shows the likelihood of changing from one fast-food restaurant to another.

From/to	Wendy's	McDonald's	Burger King
Wendy's	0.70	0.15	0.15
McDonald's	0.15	0.80	0.05
Burger King	0.10	0.02	0.88

Suppose that currently 20% of people go to Wendy's, 35% to McDonald's, and 45% to Burger King. What proportion of people end up at each restaurant in the long run?