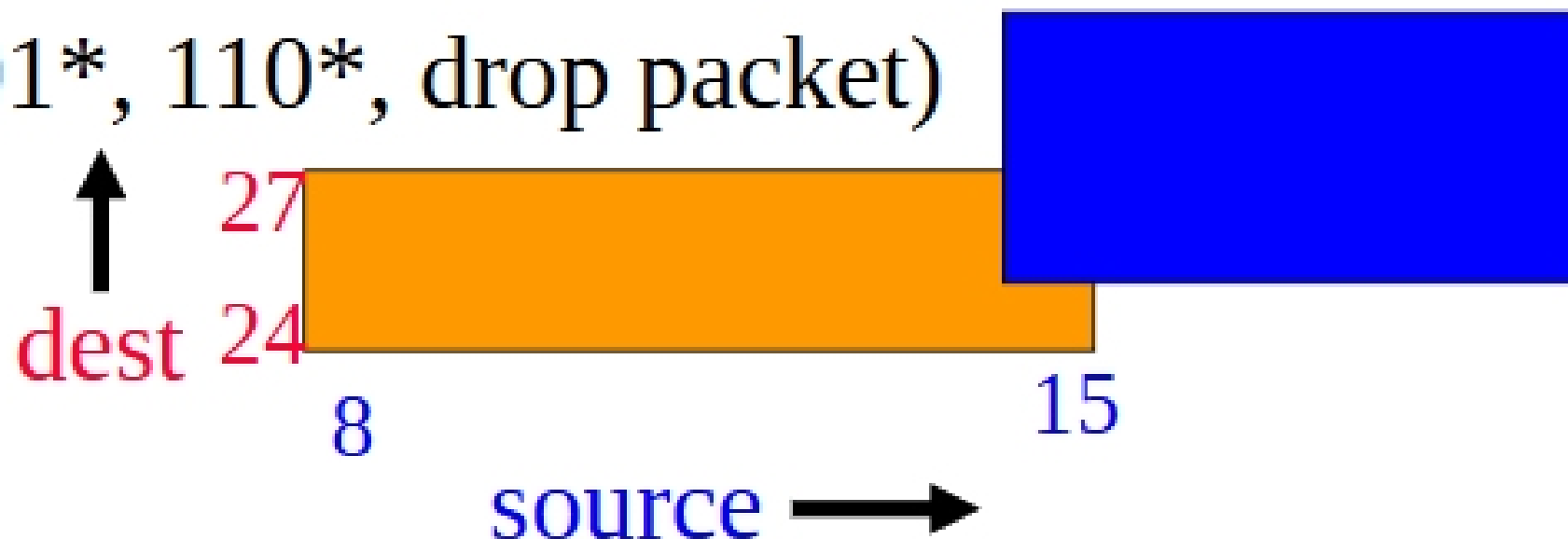


# Quad Trees

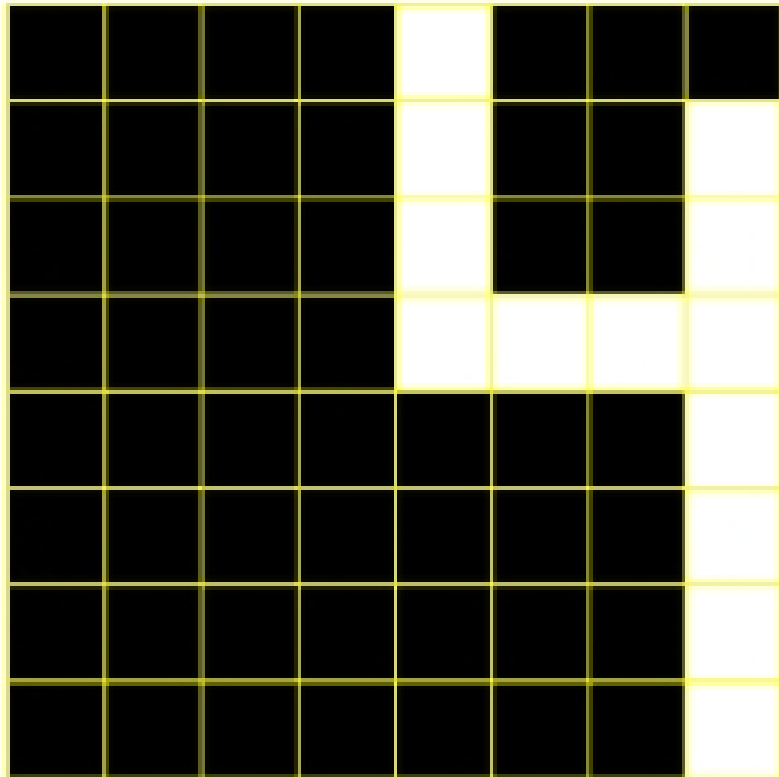
- Region data vs. point data.
- Roads and rivers in a country/state.
  - Which rivers flow through Florida?
  - Which roads cross a river?
- Network firewalls.
  - (source prefix, destination prefix, action)
  - (01\*, 110\*, drop packet)



# Quad Trees

- Binary images.
  - Image region is divided into cells called pixels.
  - Each pixel is either black (0, background) or white (1).

# Example Binary Image



				1			
				1			1
				1			1
				1	1	1	1
							1
							1
							1
							1
							1
							1

Remaining entries are 0.