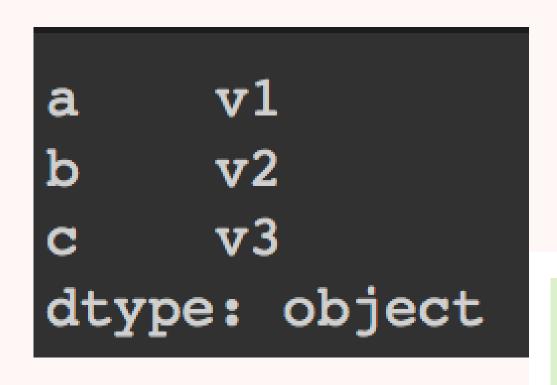


the first discrete element-wise difference in a series



ser.diff(periods=1)

v2 - v1

v3 - v2

v1 - v2

v2 - v3

periods=2

v3 - v1

v4 - v2