What do I mean by "regularity"?

woman	is to	sister	as	man	is to	brother
summer	is to	rain	as	winter	is to	snow
man	is to	king	as	woman	is to	queen
fell	is to	fallen	as	ate	is to	eaten
running	is to	ran	as	crying	is to	cried

The **differences** between each **pair of words** are similar.

Can our word representations capture this? (demo)