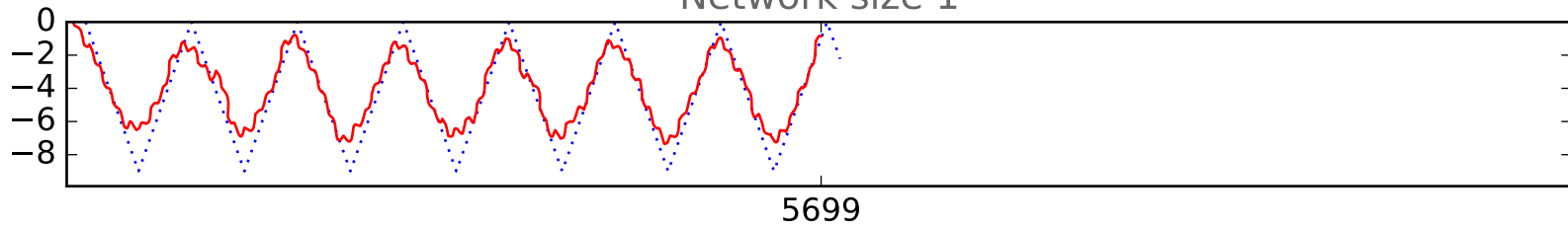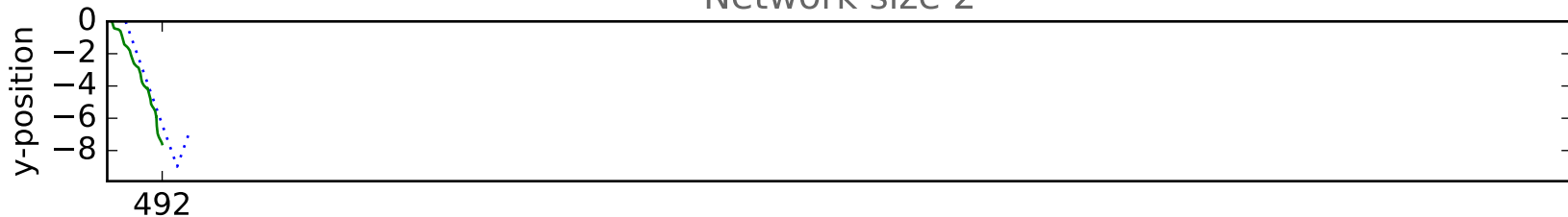Path comparison for network with agnostic hidden layer for testing path 2