

## 2.4.R1

1/1 point (graded)

Look at the graph given on page 30 of the Chapter 2 lecture slides. Which of the following is most likely true of what would happen to the Test Error curve as we move  $1/K$  further above 1?

- ☐ The Test Errors will increase
- ☐ The Test Errors will decrease
- ☐ Not enough information is given to decide
- ☒ It does not make sense to have  $1/K > 1$  ✓

### Explanation

Since  $K$  is the number of neighbors, the value of  $K$  must be a Natural Number. This means that  $1/K \leq 1$ .