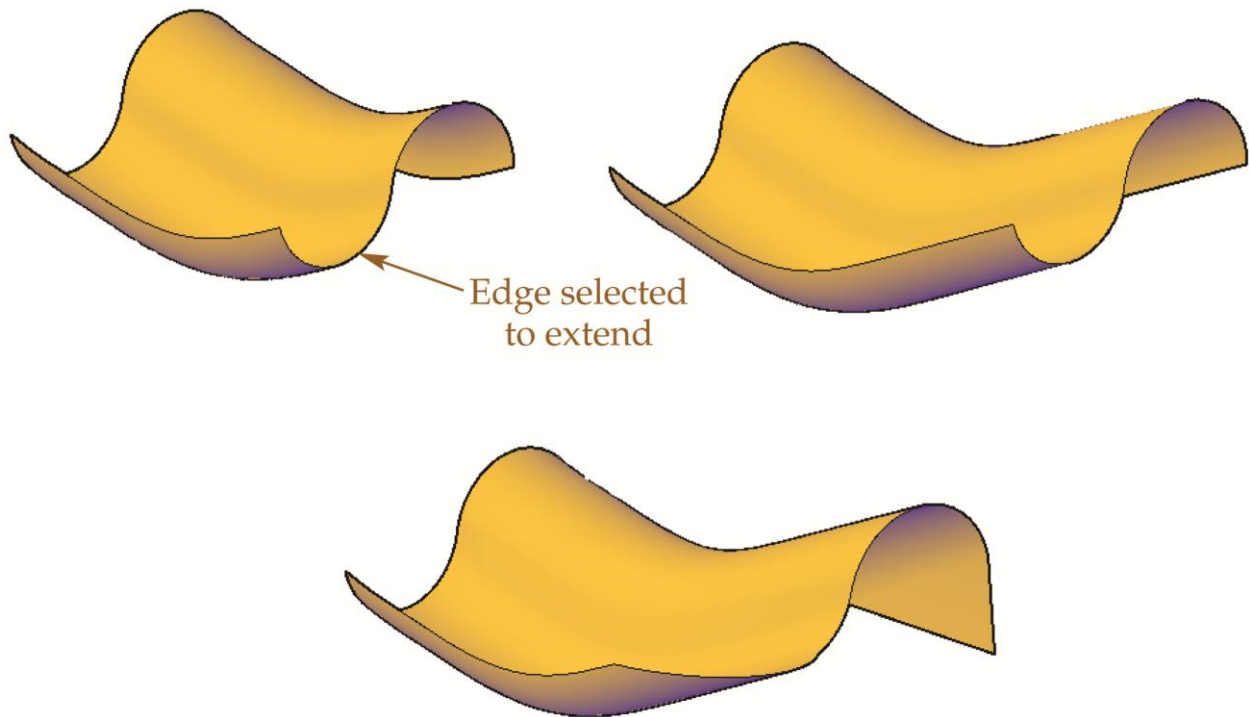# Exercise 10-7

In this exercise, you will extend a surface.

1. Open the drawing EX10_07.dwg available on the companion website.

2. Make sure the **SURFACEMODELINGMODE** system variable is set to 0 (the default setting).

3. Make sure the **SURFACEASSOCIATIVITY** system variable is set to 1 (the default setting).

4. Using the **SURFEXTEND** command, extend the network surface. See the illustration below. Make a copy of the model to create two different extensions.

Edge selected to extend

5. Extend the surface of the original model using the **Extend** and **Merge** options. Select the edge indicated. Drag the cursor and pick to specify the extension distance.

6. Extend the surface of the copied model using the **Stretch** and **Merge** options. Drag the cursor and pick to specify the extension distance. Compare the results to the original model.

7. Save the drawing as EX10-7.