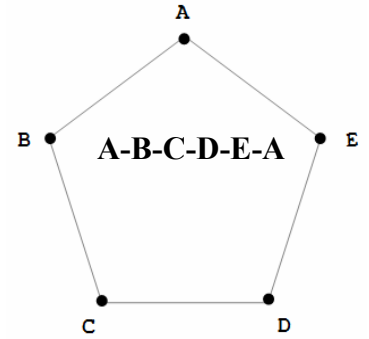


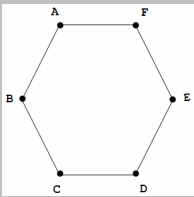


There are four distinct closed\* patterns that can be created in a pentagon which connect all 5 points using only 5 lines. Connect the dots in the letter orders shown to reveal the four configurations. (The first one is done for you.) \*The last line must end on the letter where you started and you may not lift your pencil!



A •	A •	A •	A •	A •
B •	• E	B •	• E	B •
• C	• D	• C	• D	• C
<b>A-B-C-E-D-A</b>	<b>A-C-B-E-D-A</b>	<b>A-C-E-B-D-A</b>		

With a hexagon, the number of unique configurations jumps to TEN! Starting and ending on the letter A, how many of these patterns can you find? Once again, you must connect all 6 points using only 6 lines ending where you started and without lifting your pencil. Good luck!

 <b>ABCDEF</b>	