(4 points) How many strings can be formed by ordering the letters ABCDEF such that the string contains ther of the substrings AD or BEF? Be sure to show your work and, to maximize partial credit, discuss your york.

**5.** (4 points) How many strings can be formed by ordering the letters ABCDEF such that A appears before C, C appears before D, and E appears before F? Be sure to show your work and, to maximize partial credit, discuss your work.

G strings

ACDEF -> B can be ordered

a ways +before

any retter or at

the ent