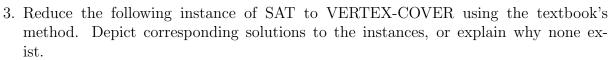
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Today Review.

Next class Midterm exam 2; all material to date, with emphasis on more recent topics.

- 1. List the members of your group below. Underline your name.
- 2. Using the tabular representation used in class, depict the operation of the CYK algorithm on the input strings aaab and abbbaab, and the following grammar. [Hint: Convert to Chomsky normal form.]

$$\begin{array}{ccc} S & \rightarrow & AaB \\ A & \rightarrow & a \mid aa \mid Ba \\ B & \rightarrow & b \mid bbb \mid A \end{array}$$



$$(x \vee y \vee \bar{z}) \wedge (\bar{x} \vee y \vee z) \wedge (x \vee \bar{y} \vee z) \wedge (\bar{x} \vee \bar{y} \vee \bar{z})$$

4. Repeat Question 3 but reduce to SUBSET-SUM.