CS 341, Day Class, Fall 2012	Quiz #2	Prof. M. K. Nakayama
Print Family (i.e., Last) Name	):	
Print Given (i.e., First) Name	:	
Student ID Number:		
		the question. If you need to use scratch paper, use the back baces will be marked wrong and points will be deducted.
During this quiz it is prohi	bited to:	
1. exchange information wi	th any other per	rson in any way, including by talking or exchanging papers
2. use any electronic device	es, including calcu	ulators and cellphones;
3. use any books or notes;		
4. leave the classroom befo	re you complete a	and turn in your quiz.
I have read and understand the provisions of the NJIT Ac		actions above. On my honor, I pledge that I will not violate ode.

Signature and Date

1. Consider the following context-free grammar G in Chomsky normal form:

$$S \rightarrow a \mid TT$$

$$U \rightarrow TU \mid b$$

$$T \rightarrow a \mid UT \mid TU$$

Use the CYK (dynamic programming) algorithm to fill in the following table to determine if G generates the string w = bbaab. Does G generate w?

Circle one:	YES	NO

