

*3. Use CYK algorithm to find whether **abab** $\in L(G)$.

(Homework 7)

$G: S \rightarrow AB$

$A \rightarrow BB$

$A \rightarrow a$

$B \rightarrow AB$

$B \rightarrow b$

a	b	a	b	->abab
A	B	A	B	
ab	ba	ab		
S,B	---	S,B		
aba	bab			
---	A			
abab				

ANS สรุปได้ว่า **abab** $\notin L(G)$