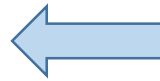


$S \rightarrow x|AyB$   
 $A \rightarrow \epsilon|xC|B$   
 $B \rightarrow y|AA$   
 $C \rightarrow xy|SS$

$S \rightarrow x|AH|FB|AF|y$   
 $F \rightarrow y$   
 $G \rightarrow x$   
 $H \rightarrow FB$   
 $A \rightarrow GC|y|AA$   
 $B \rightarrow y|AA|GC$   
 $C \rightarrow GF|SS$



**CNF**

{A,B,C,S}					
{A,B,C,S}	{A,B,C,S}				
{A,B,S}	{A,B,C,S}	{A,B,C,H,S}			
{A}	{A,C}	{A,B,C,H,S}	{A,B,C,H,S}		
{C}	{C}	{A,B,C,H,S}	{A,B,C,H,S}	{A,B,C,H,S}	
{S,G}	{S,G}	{A,B,F,S}	{A,B,F,S}	{A,B,F,S}	{A,B,F,S}