

Participation Exercise 17

$X \rightarrow A$	$X^+_{X \rightarrow A}$	keep
$AB \rightarrow C$	AB	keep
$C \rightarrow A$	C	keep
$BC \rightarrow D$	BCA	keep
$ACD \rightarrow B$	ACDEGB	eliminate
$D \rightarrow E$	DG	keep
$D \rightarrow G$	DE	keep
$BE \rightarrow C$	BE	keep
$CG \rightarrow B$	CGAD	keep
$CG \rightarrow D$	CGA	keep
$CE \rightarrow A$	CEA	eliminate
$CE \rightarrow G$	CEA	keep

$\{AB \rightarrow C, C \rightarrow A, BC \rightarrow D, D \rightarrow EG, BE \rightarrow C, CG \rightarrow BD, CE \rightarrow G\}$ minimal cover

$R_1: ABC \quad R_2: CA \quad R_3: BCD \quad R_4: DEG,$
 $R_5: BEC \quad R_6: CGBD \quad R_7: CEG$

keys:

F	AB CDEG
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