

FD's ($X \rightarrow Y$)	Assess right side split unions	Assess left eliminate redundancy ($\therefore = \text{therefore}$)	Remove transitivity	Final	✓
$A \rightarrow E$	$A \rightarrow E$	$A \rightarrow E$	$A \rightarrow E$ ($A \rightarrow B \rightarrow E$)		
$BE \rightarrow D$		$B \rightarrow E \therefore BE \rightarrow D$	$B \rightarrow D$	$B \rightarrow D$	✓
$AD \rightarrow BE$	$AD \rightarrow B$ $AD \rightarrow E$	$A \rightarrow E \rightarrow B \rightarrow D \therefore$ $AD \rightarrow B$ $A \rightarrow E \therefore AD \rightarrow E$ Duplicate	$A \rightarrow B$	$A \rightarrow B$	✓
$BDH \rightarrow E$		$D \rightarrow H$ and $B \rightarrow D \therefore$ $BDH \rightarrow E$	$B \rightarrow E$	$B \rightarrow E$	✓
$AC \rightarrow E$		$A \rightarrow E \therefore AC \rightarrow E$ Duplicate			
$F \rightarrow A$		$F \rightarrow A$	$F \rightarrow A$	$F \rightarrow A$	✓
$E \rightarrow B$		$E \rightarrow B$	$E \rightarrow B$	$E \rightarrow B$	✓
$D \rightarrow H$		$D \rightarrow H$	$D \rightarrow H$	$D \rightarrow H$	✓
$BG \rightarrow F$		$BG \rightarrow F$	$BG \rightarrow F$	$BG \rightarrow F$	✓
$CD \rightarrow A$		$CD \rightarrow A$	$CD \rightarrow A$	$CD \rightarrow A$	✓

$BG \rightarrow F \rightarrow A \rightarrow B \leftrightarrow E \rightarrow D \rightarrow H$

↑
CD

\leftrightarrow recursive relationship