$R_3 = ID\,B$

$F_3 = ID \to B$

LHS/none	both	R/S
D		B

$\frac{D^+}{DB}$ CK: D

BCNF violations: none

$R_4 : DC$

$F_4 : \emptyset$

CK: DC

BCNF violations: none

decomposed relations: $R_3(DB)$, $R_4(DC)$

2a) ABC

$\vdash AB \to C,\ AC \to B,\ BC \to A$

$\vdash$ This already a minimal cover

2b) ABCD

$\vdash AB \to C,\ AC \to B,\ B \to D,\ BC \to A$

$\vdash$ has minimal cover

2c) ABCEG

$\vdash AB \to C,\ AC \to B,\ BC \to A,\ E \to G$

$\vdash$ This is already a minimal cover

2d) ID CE G H

i- E -> G

ii- has minimal cover

2e) A C E H

i- none

ii- This is already a minimal cover.