1. Relation schema R (A, B, C, D, E, F, G) satisfies the following FDs:

A -> B

BC -> DE

AEF -> G

Compute the closure {A, C}+ under this set of FDs. Is the FD, ACF -> DG implied by this set?

1. Relation schema R (A, B, C, D, E, F, G) satisfies the following FDs:

AB -> C

C -> A

BC -> D

ACD -> B

BE -> C

CE -> FA

CF -> BD

D -> EF

Find an irreducible equivalent for this set of FDs.