Given the following relation, Employee (SocialSecurityNumber, Name, Adress, DepartmentName, DepartmentCode) and the following functional dependencies:

* SocialSecurityNumber -> Name,Adress,DepartmentCode
* DepartmentCode -> DepartmentName

Compute {SocialSecurityNumber,DepartmentCode}+

1. {SocialSecurityNumber,DepartmentCode}
2. {Name,Adress,DepartmentName}
3. {SocialSecurityNumber,DepartmentCode, Name,Adress,DepartmentName,DepartmentCode}
4. {SocialSecurityNumber,DepartmentCode,DepartmentName}

Given the relation Relation(A,B,C,D,E,F,G) with the functional dependencies:

* A -> B,C,D,E
* B -> C,F
* F -> E,G
* E -> B

Which of the following is a key for the relation?

1. {A,F}+
2. {B}+
3. {B,E}+
4. {F}+