Q1

- a) $B^+ = BDE$
- b) CF+=ABCDEF
- c) DF+=ADEF
- d) BC+=BCDE
- e) ABC+=ABCDE

Q2

- a): No, since A not in B closure
- b): Yes, since E in CF closure
- c): No, since B not in DF closure
- d): No, since BD closure = BDE, C not in BD closure
- e): Yes, since BFC closure = ABCDEF, A in BFC closure

Q3

A closure ADCE A→D

B closure ABCDE B→AD

C closure ADCE D→A

AD closure ADCE trivial

Project to ABD: A→D, B→AD, D→A

Q4

Α	В	С	D	Ε	F
1	1	1	1	1	1
2	1	2	1	1	1

Redundancy are highlighted

Since B→EF, then know E,F

Since F→D, then know D