2.1)

$R = ABCDEH$

$F = \{AB \to C,\ D \to AB,\ C \to EA,\ D \to H,\ EH \to C\}$

$\rho = \{ABCD, ACEH\}$

$AB \to C$ ✓

$D \to AB$ ✓

$C \to EA$ ✓

$D \to H$?

$EH \to C$ ✓

CANT Dalle

$D \to H$

$Z_0 = D$

$S_0 = (D \cap ABCD)_F^+ \cap ABCD \cup (D \cap ACEH)_F^+ \cap ACEH = ABCD$

$Z_1 = ABCD$

$S_1 = ABCD \cup \left[(ABCD \cap ACEH)_F^+ \cap ACEH \right]$

$ABCD \cup (AC)_F^+ \cap ACEH$

$AC \to E$

$ACE \cap ACEH = ABCD \cup ACE = ABCDE$

$S_1 \neq Z_1$

$Z_2 = ABCDE$

$S_2 = \left[(ABCDE \cap ABCD)_F^+ \cap ABCD \right] \cup \left[(ABCDE \cap ACEH)_F^+ \cap ACEH \right]$

$AB_3CD \cup ACE = ABCDE$

$S_2 \subseteq Z_2$ MI FERMO

NON CONTIENE H

⇓

ρ NON PRESERVA

2.2)

$R = ABCDEGH \qquad F = \{ A \to CD,\ GH \to E,\ BD \to GH,\ D \to B \}$

$\rho = \{ ACD,\ ACGH,\ BDEG \}$

R	A	B	C	D	E	G	H
ACD	a	b_1	a	a	b_1	b_1	b_1
ACGH	a	b_2	a	b_2	b_2	a	a
BDEG	b_3	a	b_3	a	a	a	b_3

1° CICLO

$A \to CD$ V

$GH \to E$ V

$BD \to GH$ V

$D \to B$ V

R	A	B	C	D	E	G	H
ACD	a	~~b_1~~ a	a	a	~~b_1~~ a	~~b_1~~ a	~~b_1~~ a
ACGH	a	~~b_2~~ a	a	~~b_2~~ a	~~b_2~~ a	a	a
BDEG	b_3	a	b_3	a	a	a	~~b_3~~ a

2° CICLO

NON POSSO FERMARMI

3° UCO Non DOSSO

4° 41 FERRO T1 TUTTE "16" SI JOIN