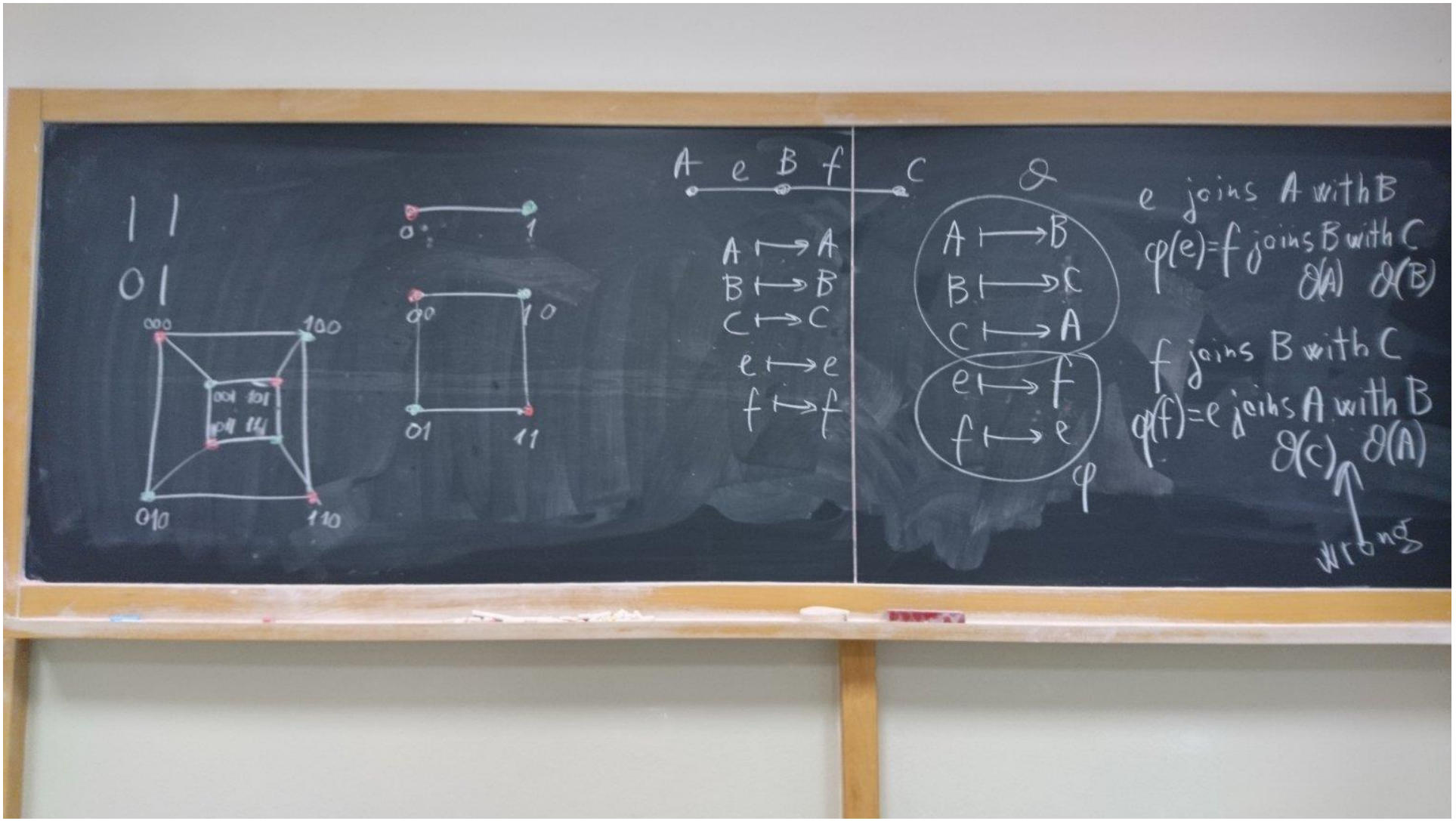
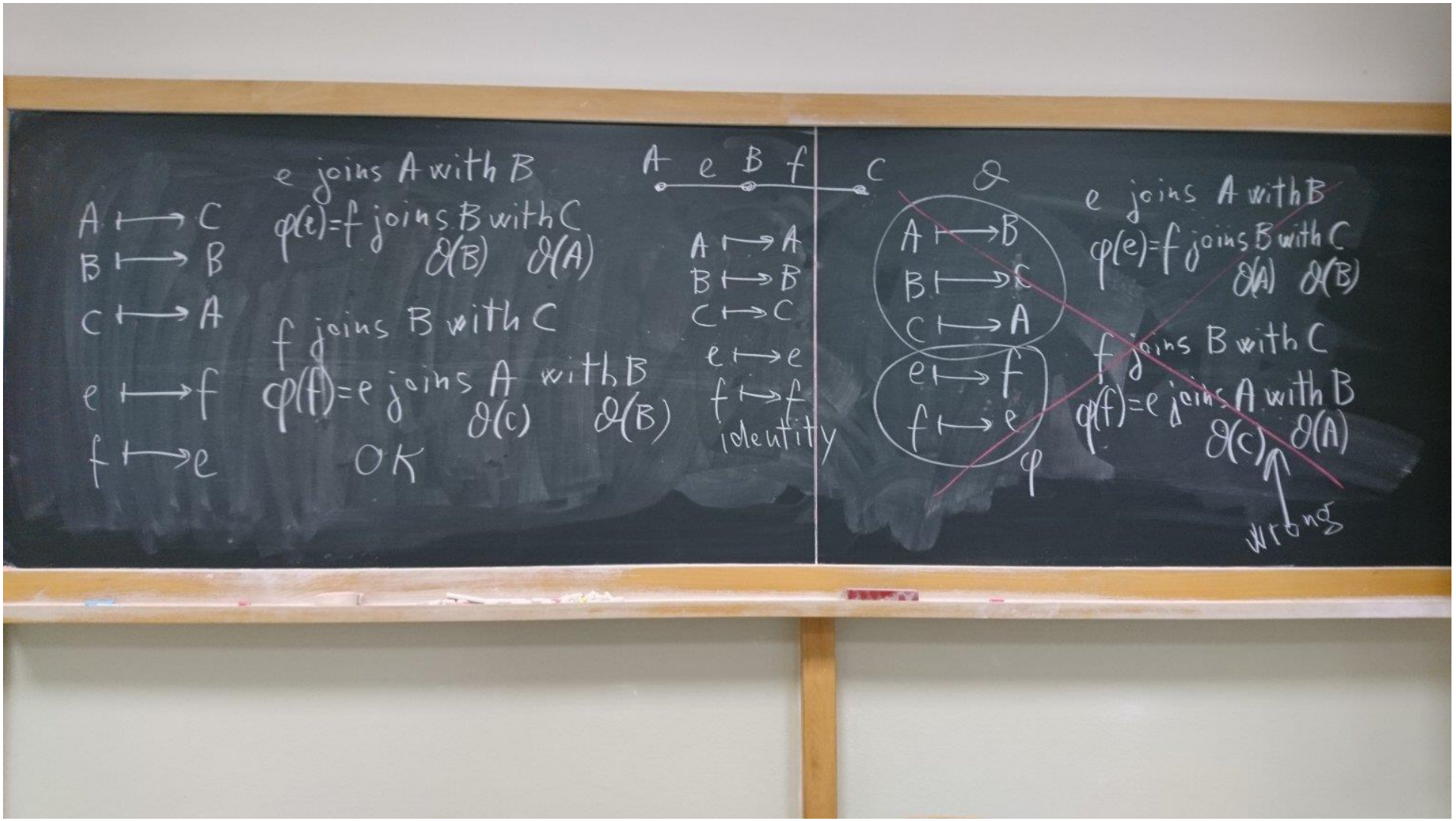
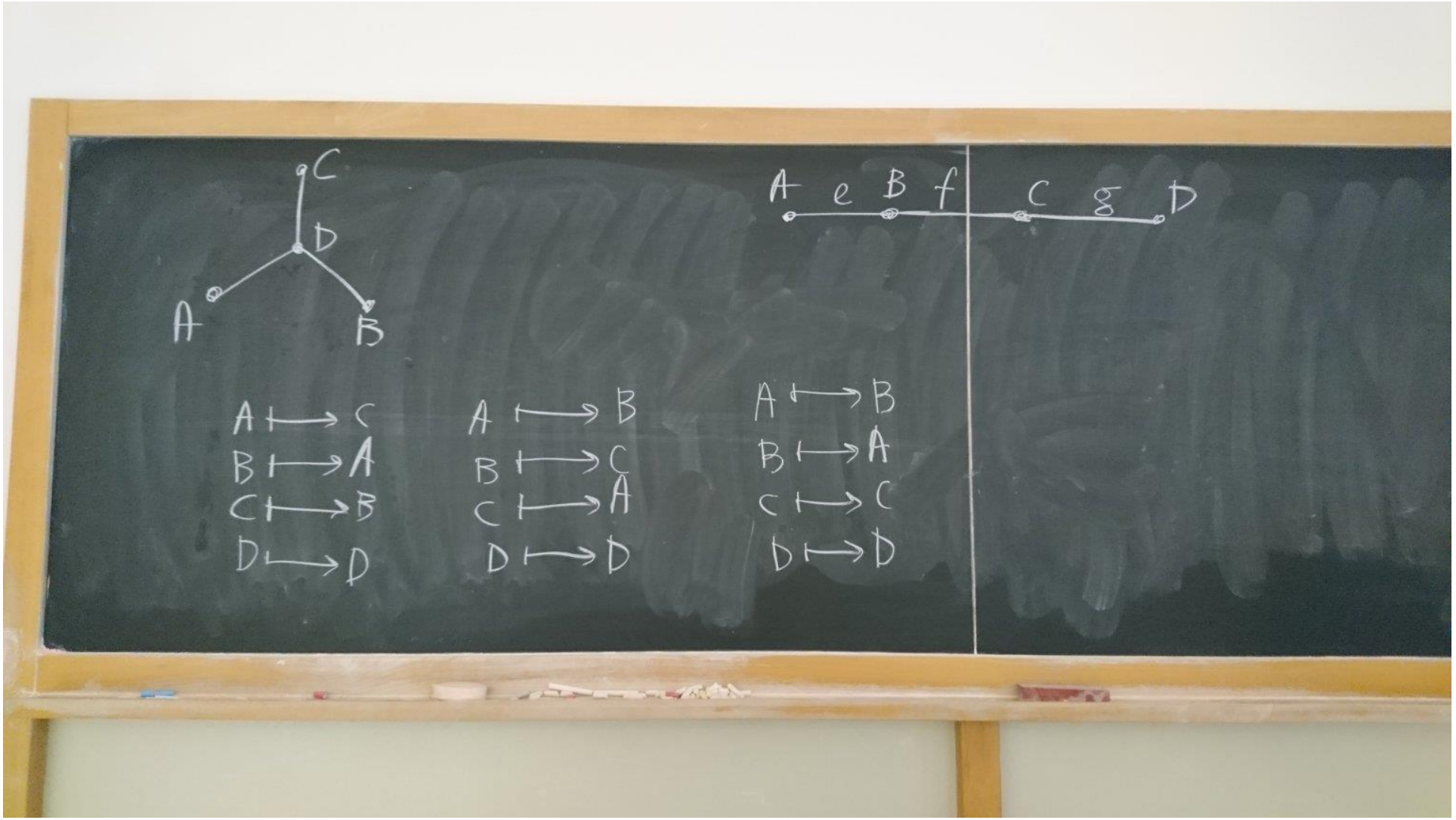
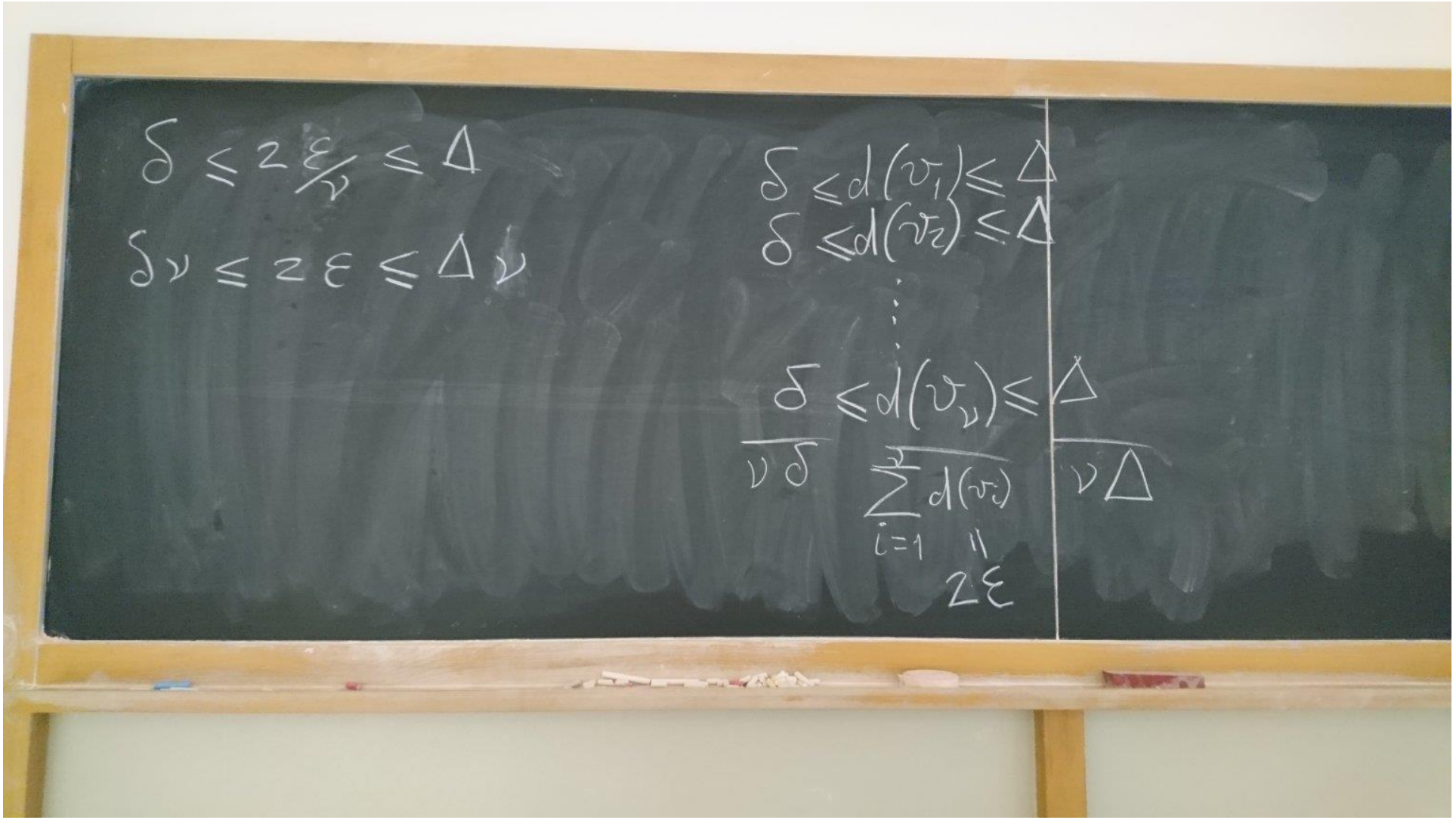

11
01
000
100
010
110
0
1
00
10
01
11
A e B f C
A ⟼ A
B ⟼ B
C ⟼ C
e ⟼ e
f ⟼ f
φ
A ⟼ B
B ⟼ C
C ⟼ A
e ⟼ f
f ⟼ e
e joins A with B
φ(e) = f joins B with C
∂(A) ∂(B)
f joins B with C
φ(f) = e joins A with B
∂(C) ∂(A)
wrong


A ⟼ C
B ⟼ B
C ⟼ A
e ⟼ f
f ⟼ e
e joins A with B
φ(e)=f joins B with C
∂(B) ∂(A)
f joins B with C
φ(f)=e joins A with B
∂(C) ∂(B)
OK
A e B f C
A ⟼ A
B ⟼ B
C ⟼ C
e ⟼ e
f ⟼ f
identity
∂
A ⟼ B
B ⟼ C
C ⟼ A
e ⟼ f
f ⟼ e
φ
e joins A with B
φ(e)=f joins B with C
∂(A) ∂(B)
f joins B with C
φ(f)=e joins A with B
∂(C) ∂(A)
wrong


C
D
A
B
A e B f C g D
A ⟼ C
B ⟼ A
C ⟼ B
D ⟼ D
A ⟼ B
B ⟼ C
C ⟼ A
D ⟼ D
A ⟼ B
B ⟼ A
C ⟼ C
D ⟼ D


$\delta \leq 2\varepsilon/\nu \leq \Delta$
$\delta\nu \leq 2\varepsilon \leq \Delta\nu$
$\delta \leq d(v_1) \leq \Delta$
$\delta \leq d(v_2) \leq \Delta$
$\delta \leq d(v_\nu) \leq \Delta$
$\nu\delta \quad \sum_{i=1}^{\nu} d(v_i) \quad \nu\Delta$
2ε