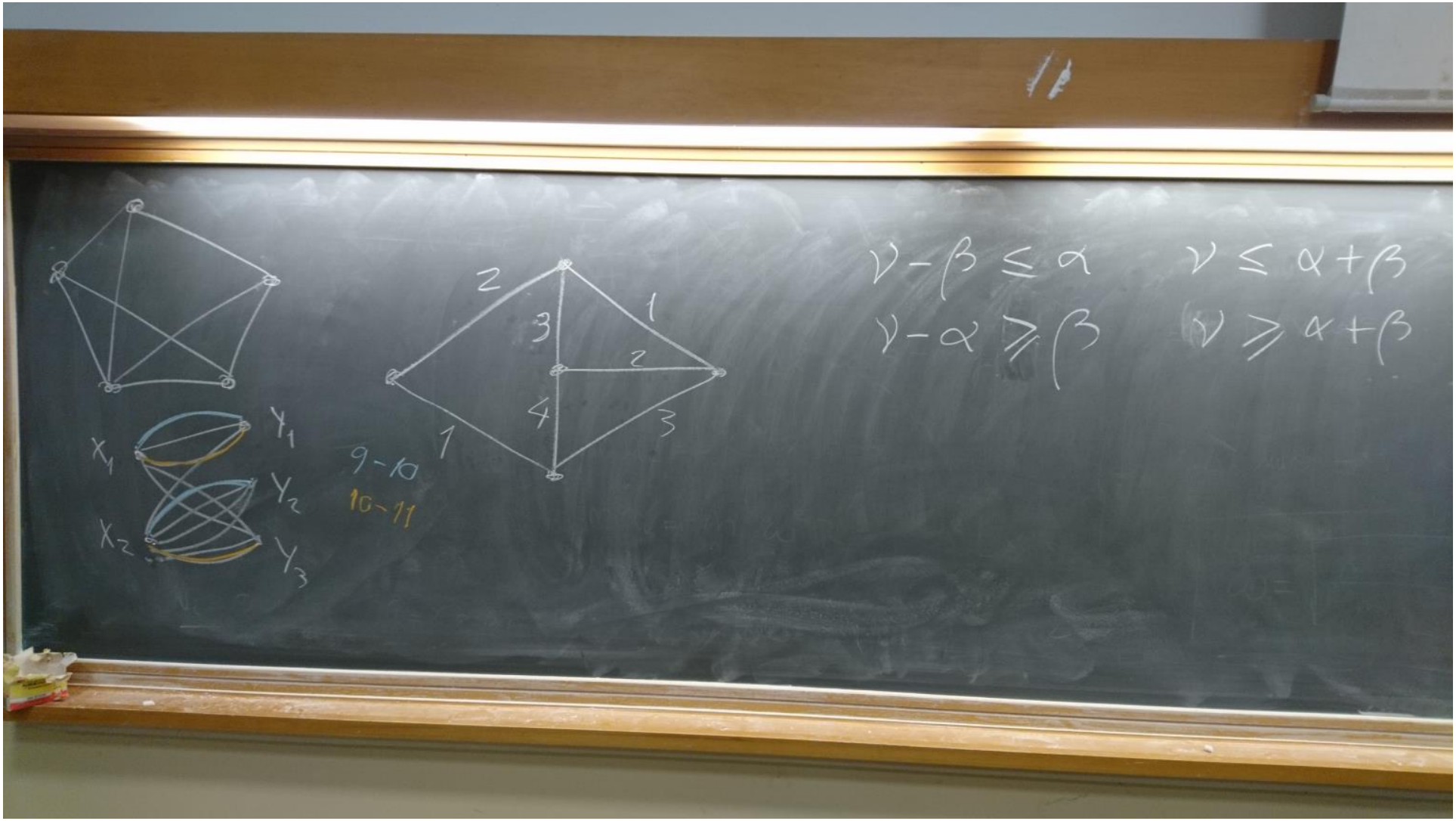
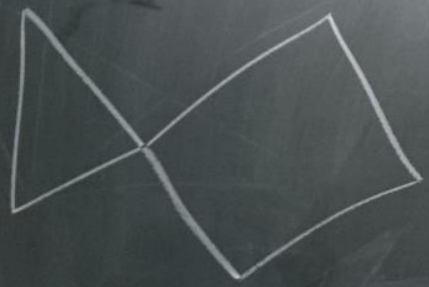
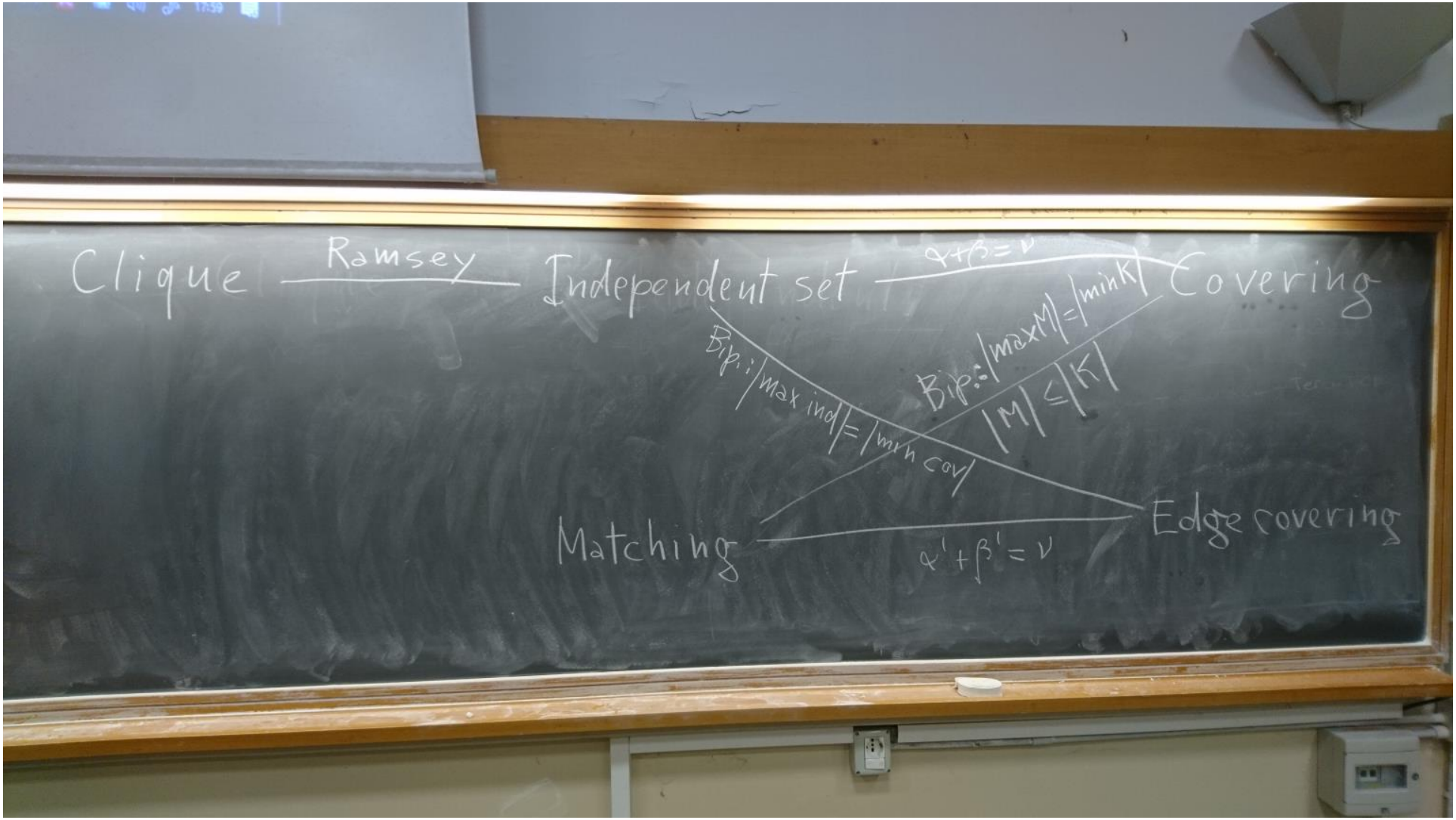

$\nu - \beta \leq \alpha$
$\nu \leq \alpha + \beta$
$\nu - \alpha \geq \beta$
$\nu \geq \alpha + \beta$
X_1
X_2
Y_1
Y_2
Y_3
9-10
10-11
2
1
3
2
4
1
3

$r(3,3) > 5$




Clique
Ramsey
Independent set
α+β=ν
Covering
Bip.: |max ind| = |min cov|
Bip.: |max M| = |min K|
|M| ≤ |K|
Matching
Edge covering
α'+β'=ν