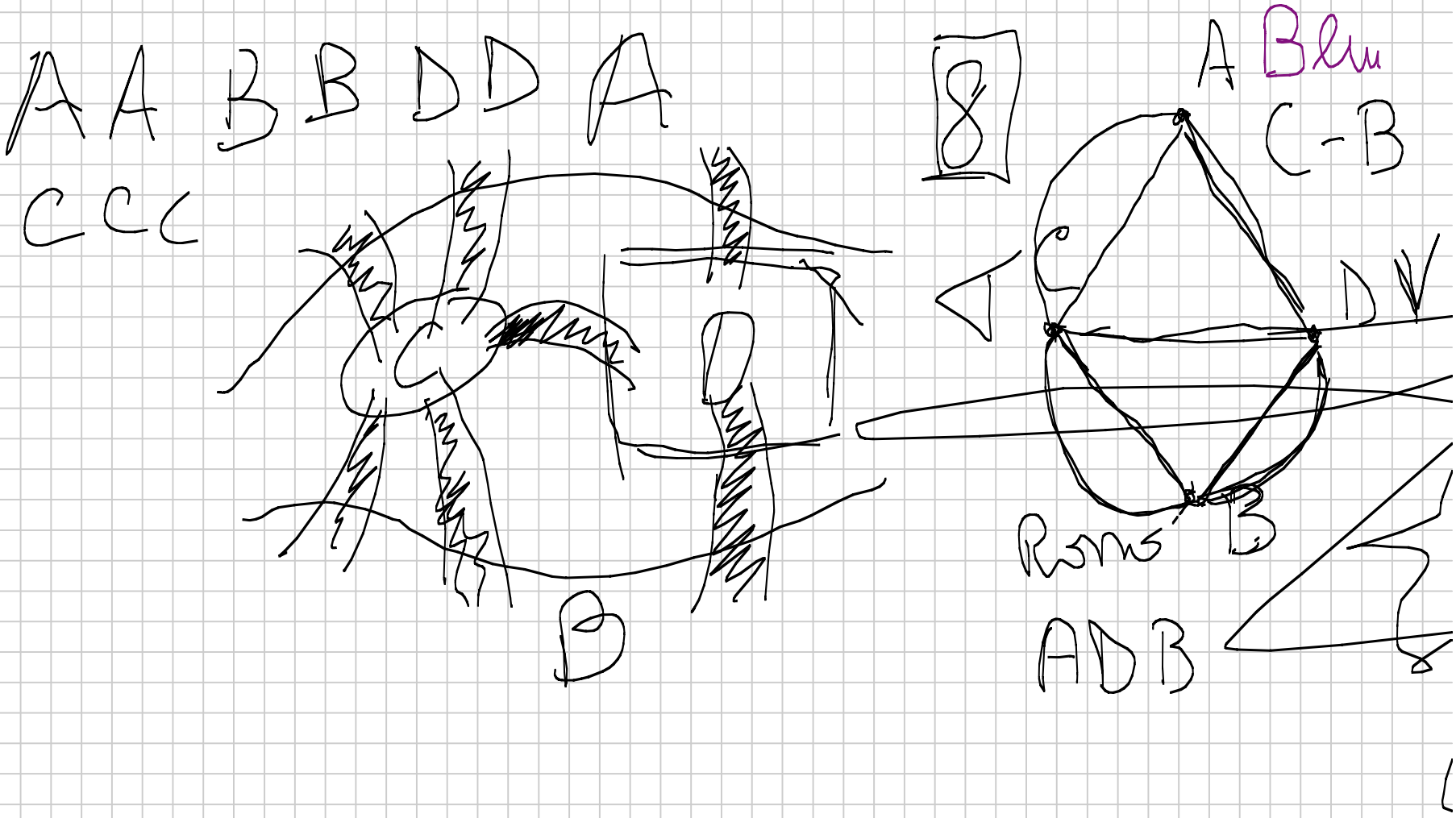
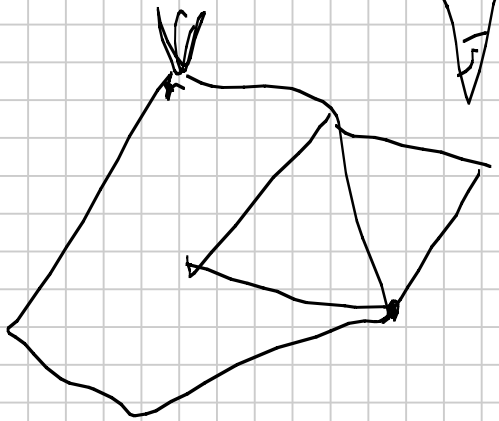
Titolo nota 12/10/2011



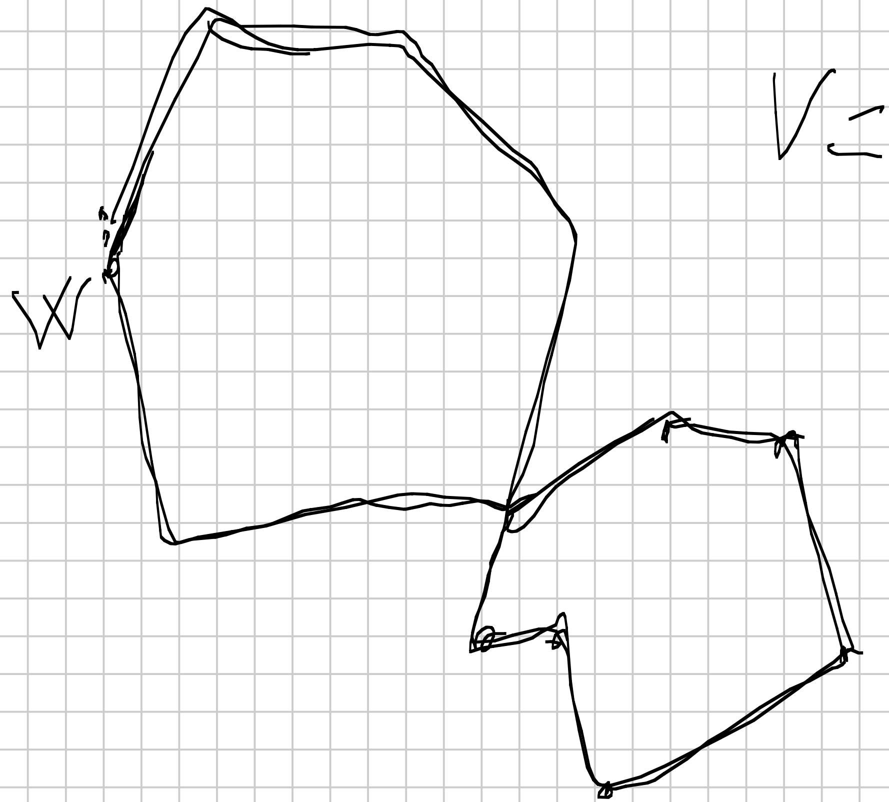
$G = (V, E)$

G eulerwarm $\Longleftrightarrow$ connected + $\forall v$ deg v par

$2 + 2n$

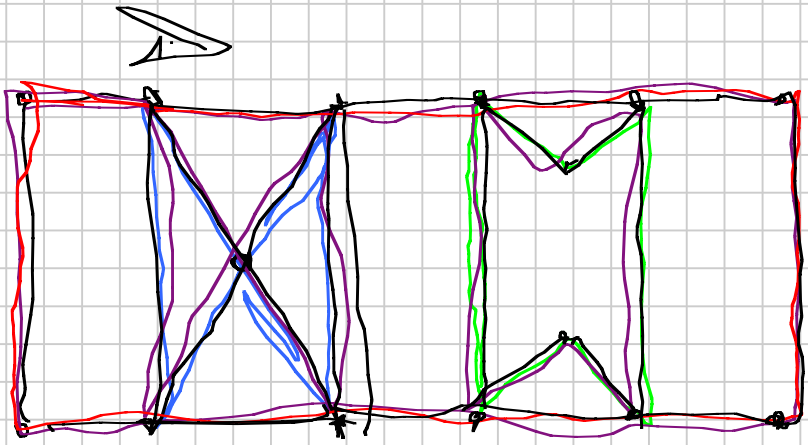


$2n$



$V = W$

$2m+1$



$$m \qquad 2m$$

$$u_i \qquad v_j$$

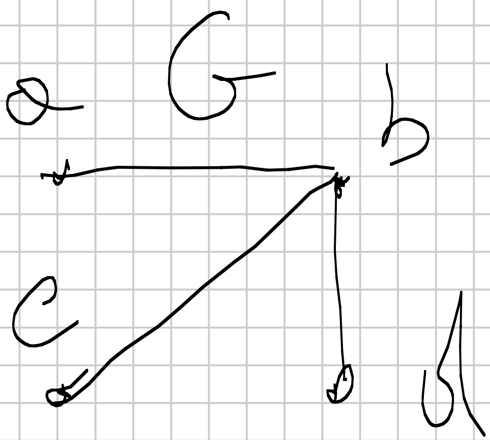
$$\sum a_{ij} u_i + \sum a_{ij} v_j = 2m$$

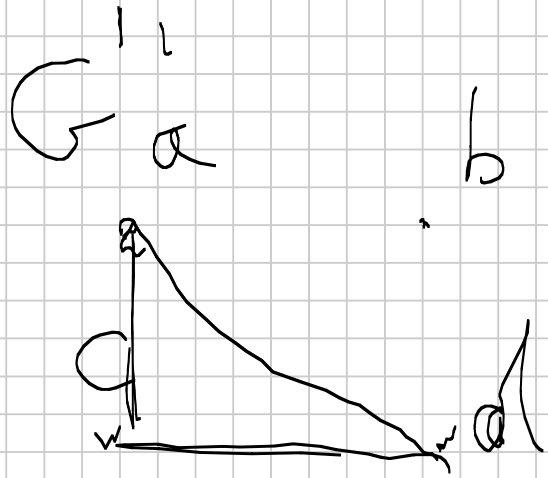
$$\sum a_{ij} v_j = 2m - \sum a_{ij} u_i$$

№6

а) вершина 3 р

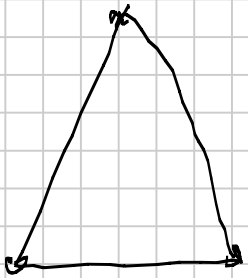
б)



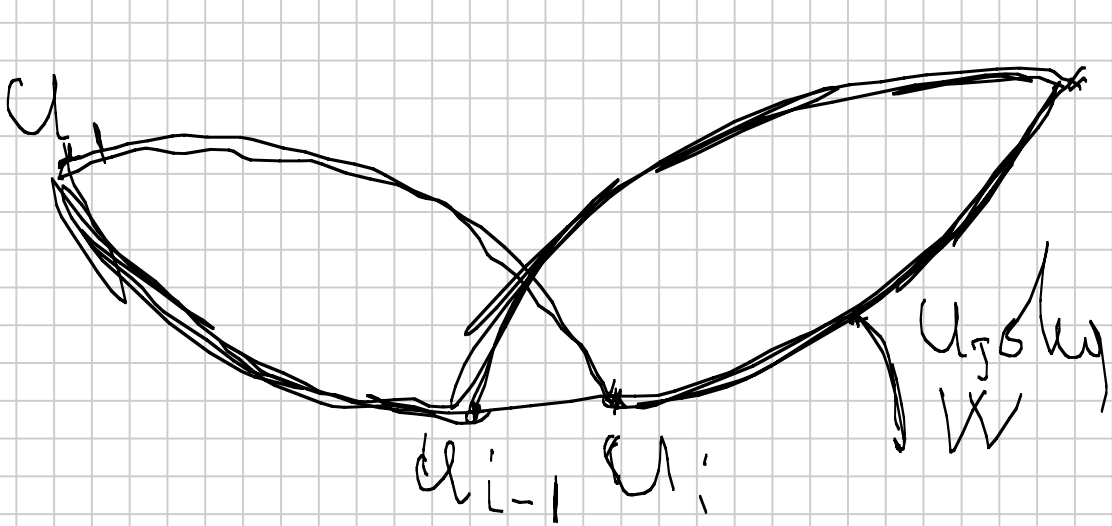


u
u1
u2
u3
u4

$p = 3$ $\deg v \geq \frac{3}{2}$



$p > 3$ $\frac{p}{2} + 1$



u_j соед u_{ik} $\leq p - 1 - \frac{p}{2} \leq \frac{p}{2}$

R2
R1
R
R12

1
2
3
4
5
6

1
2
3
4

n vertici

a lati

f facce

$n_i - a_i + f_i = 2$

i $\quad n_{i+1} = n_i$

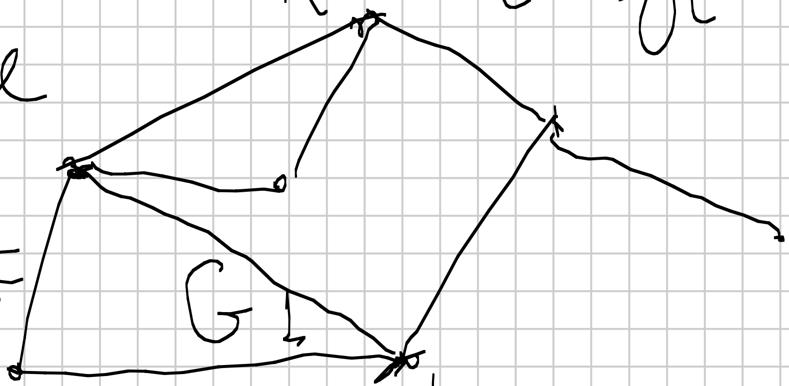
$a_{i+1} = a_i + 1$

$f_{i+1} = f_i + 1$

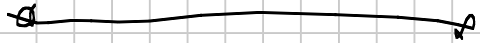
$n_{i+1} - a_{i+1} + f_{i+1} =$

$= n_i - a_i - 1 + a_1$

$f_i + 1 = 2$

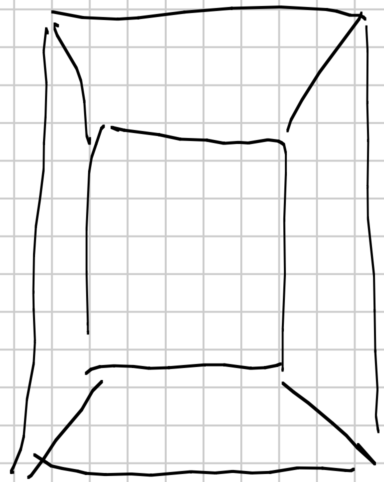


G_1 $\quad b_1$



G_2

$a_1 \quad b_1$



$2 - 1 + 1 = 2$