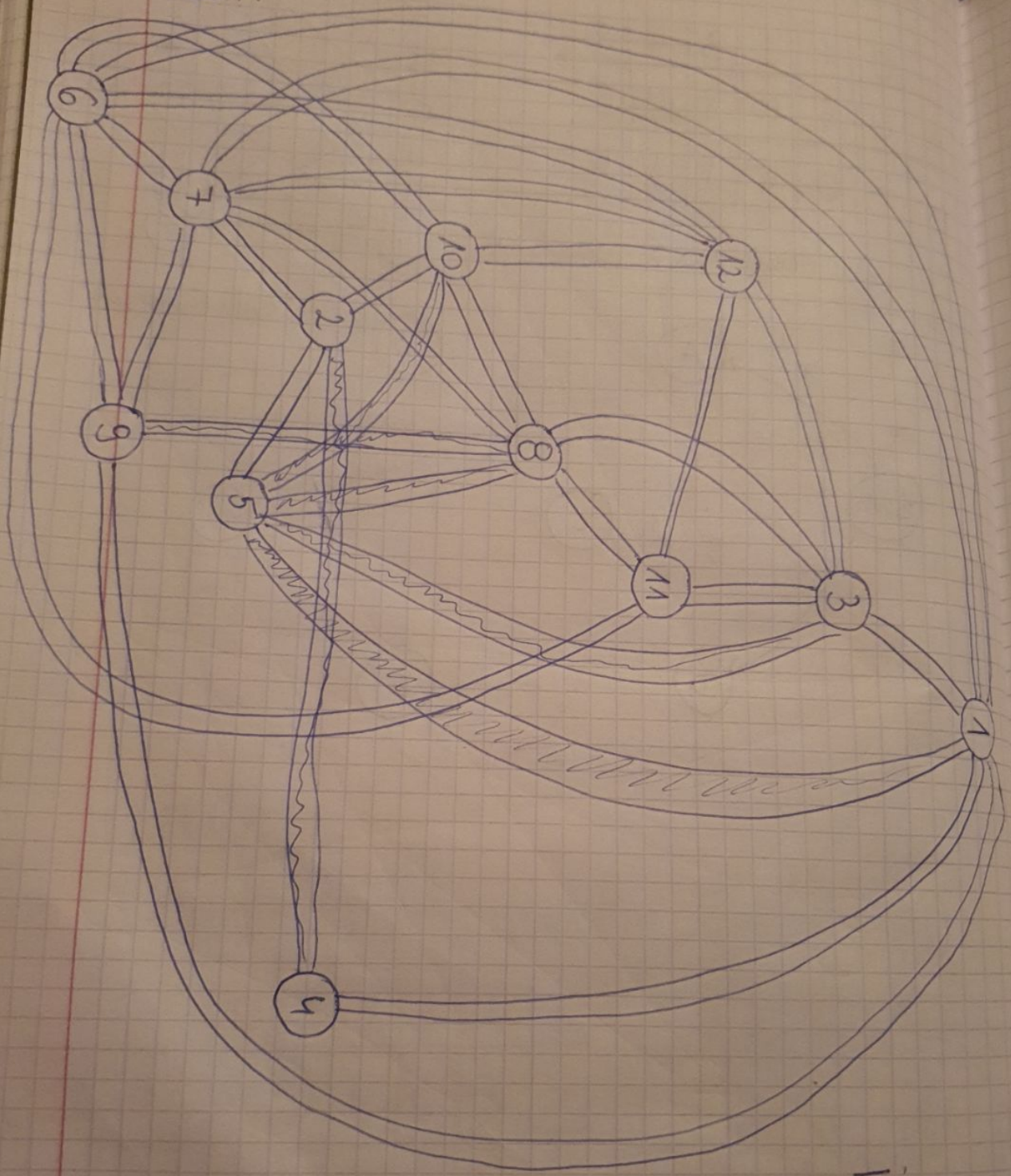
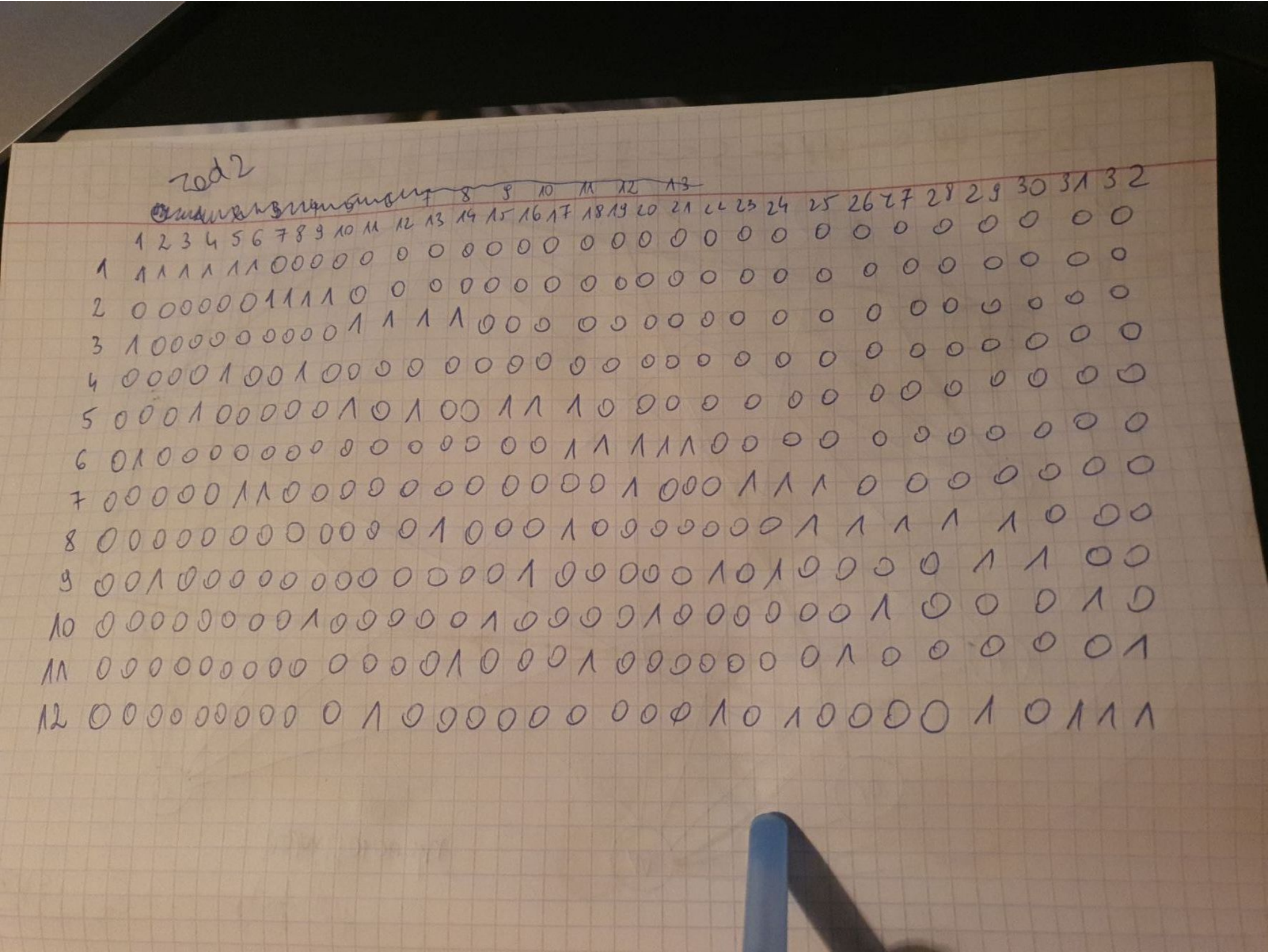
PROJEKT C2.1 Filip Kukiš

zad 1.

zad 2.

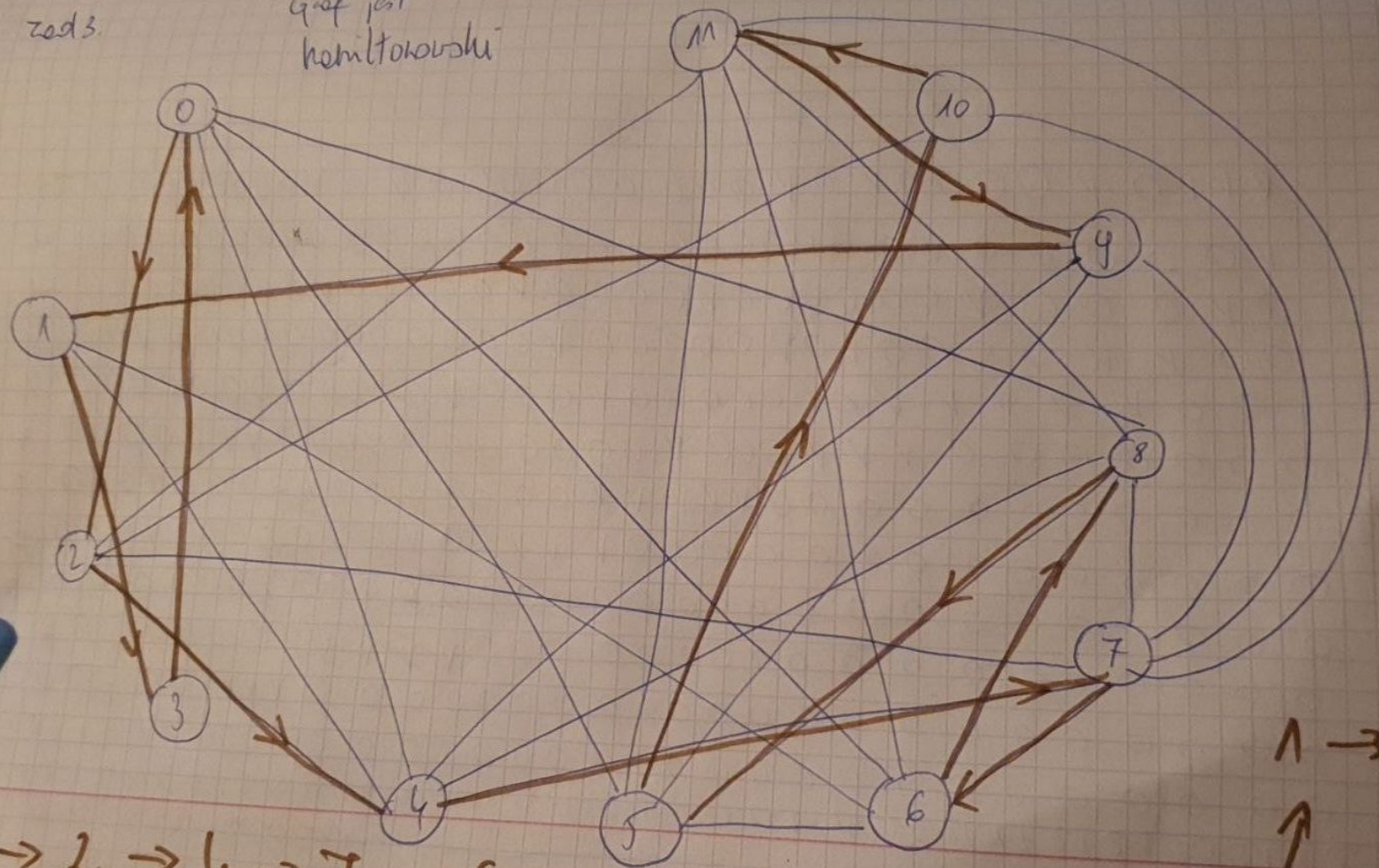


jedna krawędź



zad 3.

Graf jest hamiltonowski



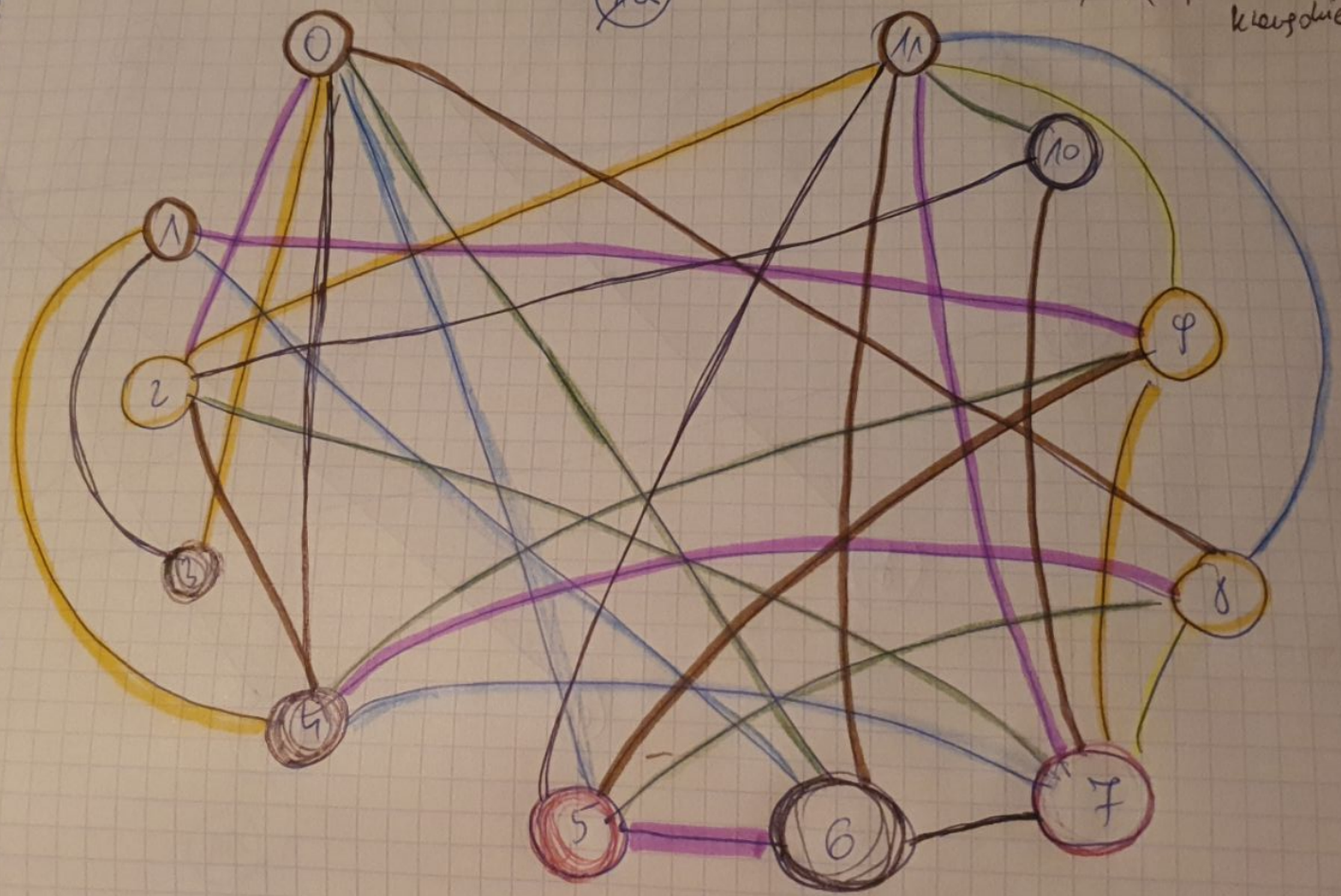
$0 \to 2 \to 4 \to 7 \to 6 \to 8 \to 5 \to 10 \to 11 \to 9 \to 1 \to 3 \to 0$

zad 4.
W moim grafie 8 wierzchołków o stopniu parzystym i 4 o st. nieparzystym ⇔ graf nie jest eulerowski
zad 5 / zad 6

○ - wierzchołek
— - krawędziowo

zad 6 $\chi(G) = 4$ kolory wierzchołki

$\chi'(G) = 7$ kolorów krawędzie

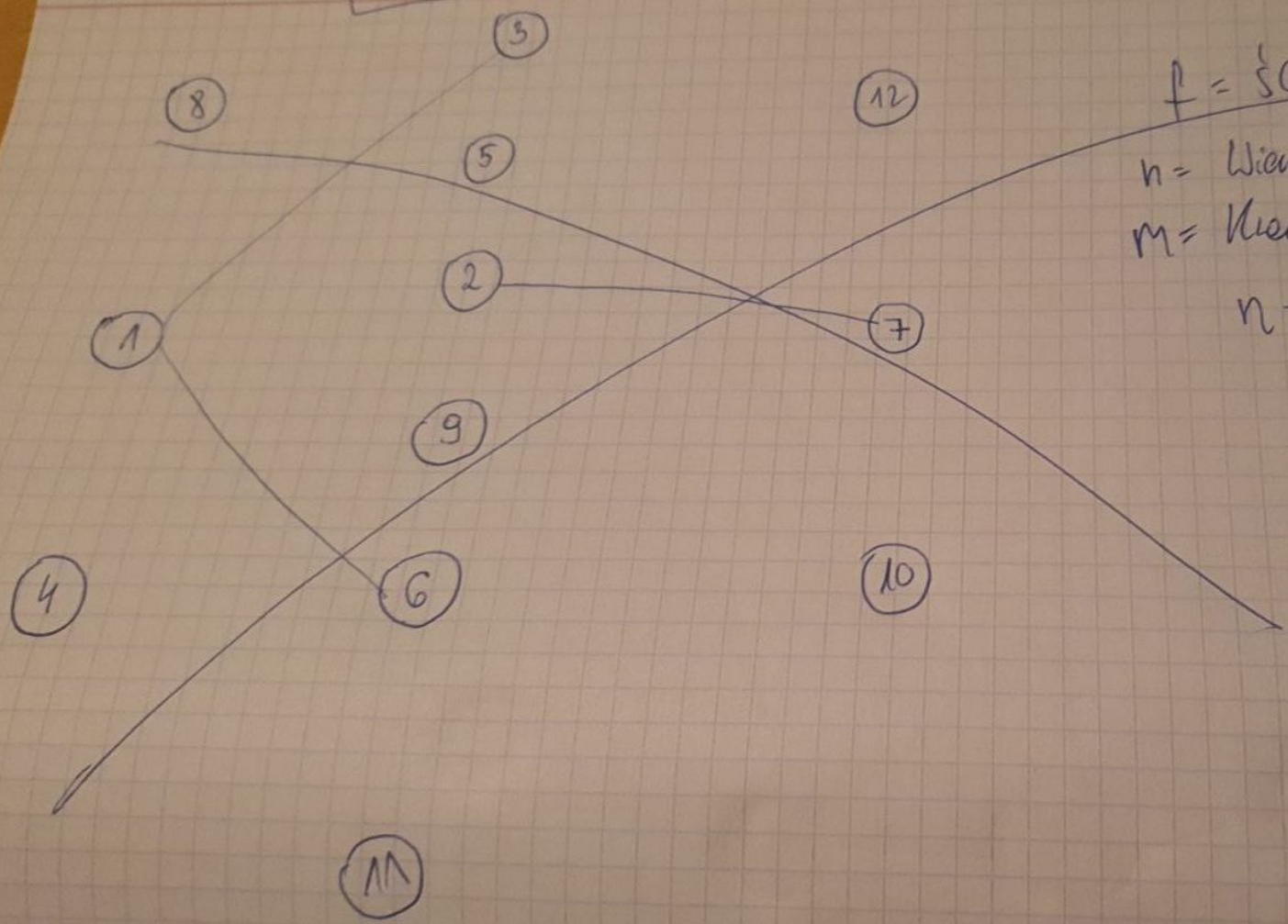


zad 3.

Graf

zad 7

zad 8. Graf jest planarny - nie zawiera podgrafu z K_5 i $K_{3,3}$.



f = ściany

n = wierzchołki : 12

m = krawędzie : 32

$n - m + f = 2$

$f = 2 + m - n$

$f = 2 + 32 - 12$

$f = 22$

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