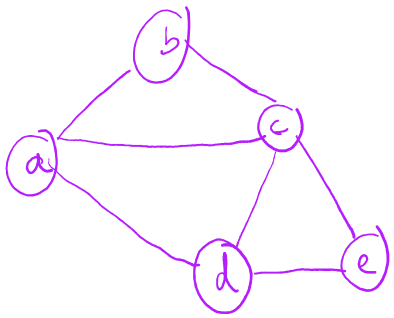
6. kurzus

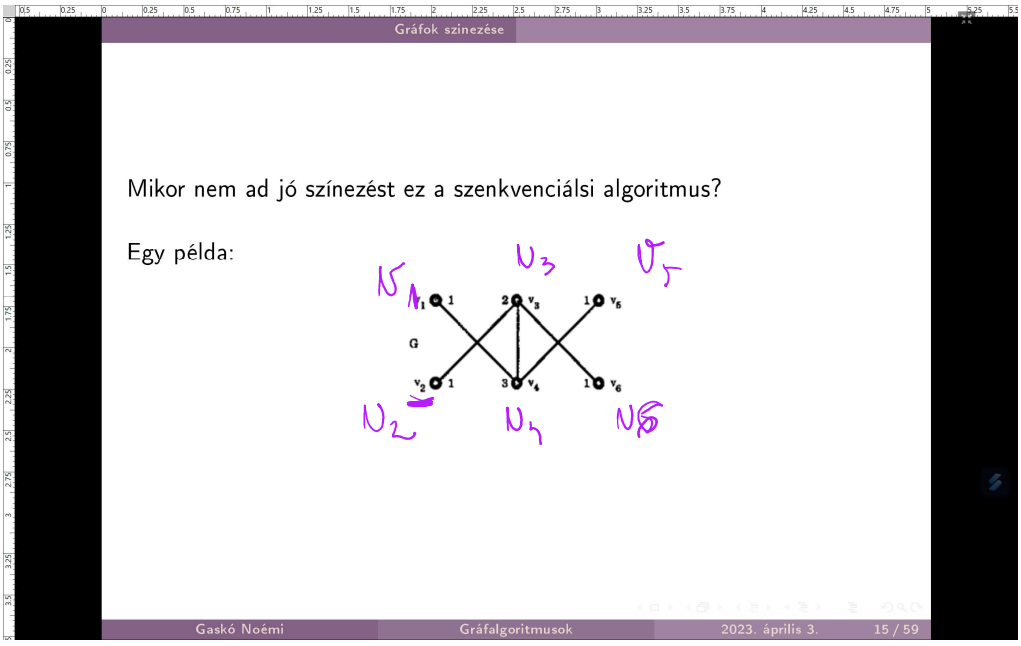
03 April 2023 10:21

G:



a: {1}
b: {1, 2}
c: {1, 2, 3}
d: {1, 2, 3, 4}
e: {1, 2, 3, 4, 5}

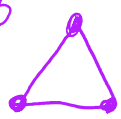
$\chi(G) = 3$



v_1: {1}
v_2: {1, 2}
v_3: {1, 2, 3}
v_4: {1, 2, 3, 4}
v_5: {1, 2, 3, 4, 5}
v_6: {1, 2, 3, 4, 5, 6}

Kromatikus polinom

K_3



$P(t) = t(t-1)(t-2)$

0 $P(0) = 0$

1 $P(1) = 0$

2 $P(2) = 0$

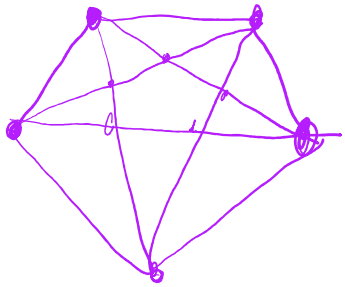
3 $P(3) = 3 \cdot 2 \cdot 1 = 6$

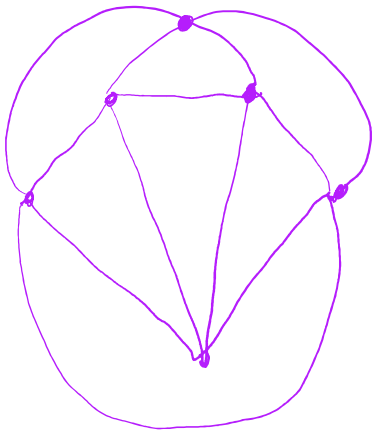
10 $P(10) = 10 \cdot 9 \cdot 8 = 720$

Sétbarajzolhatóság:

$c(K_5) = 1$

Síkbarajzolható?

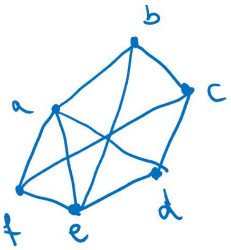


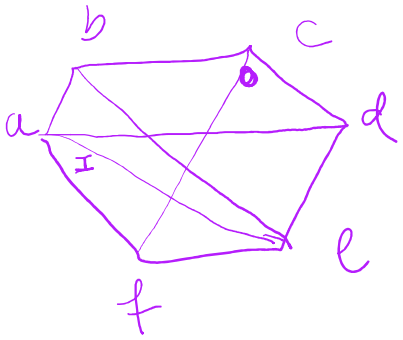


$c(K_5) = 1$

$c(K_{3,3}) = 1$

Használd ellenőrzésre:





ae – I
be – 0
cf – 0
ad – I

} 0