

Laboratory 2

Introductory to analytic combinatorics course at Wroclaw University of Science and Technology 2020/2021

Deadline: 11.11.2020

Exercise 1

Let N be second name of polish musician Rychu Pea and L be his age.

a) (1 point)

What is a number of compositions of L ?

$$m(\cdot) = 2^{(44-1)}$$

out[-]: 8 796 093 022 208

b) (2 points)

What is a number of partitions of L with $\{1,2,20,21\}$?

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In[10]:= Length[IntegerPartitions[44,All,{1,2,20,21}]]
IntegerPartitions[44,All,{1,2,20,21}]

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Out[] = 55

[illegible]

