Mid-term (retake)

Due Dec 2 at 4:58pm **Points** 35 **Questions** 1
Available Dec 2 at 3:54pm - Dec 2 at 4:58pm about 1 hour **Time Limit** None
Allowed Attempts 2

This quiz was locked Dec 2 at 4:58pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	50 minutes	0 out of 35 *

* Some questions not yet graded

Score for this attempt: **0** out of 35 *
Submitted Dec 2 at 4:44pm
This attempt took 50 minutes.

Question 1

Not yet graded / 35 pts

1. Write a function that takes a list of natural number pairs (e.g. [[2,14], [9,3], [25, 77]]) and returns number of co-prime pairs in the given list.

2. Write a function that takes a and m as input (such that a·x+ m·k=1) , and returns the value of x and k.

3. Write a function five_divis(L) which takes the prime decomposition dictionary L of a positive integer n (for example it takes L= [(2, 1), (7, 1)] as an input), and checks whether n is divisible by 5 or not.

4. Write a function that takes a random element r and a field F, and checks whether r is an element in F or not.

5. Write a function that takes values a,b, and c, and checks whether (a) is an inverse of (b) modulu (c) or not. If yes, it prints that it is the inverse, if not it prints the inverse of (b) modulu (c).

midterm.ipynb (https://canvas.elte.hu/files/2021400/download)

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Quiz Score: 0 out of 35