Name Sharif AL ROU NO PLO-0130 BCS 7A Assignmen import random generale_birthday(): return vandom. vandiht (1, 365) bithday_attack_Simulation (num_Simulations) Collision = 0 for - in range (num-simulation): birthday = [qenerate_birthday() for - in range (num-people)] if len (birthdays) ! z len (set birthday) } Collision += 1 Collision_ probability = collision | num_simulada return Collision - probability num-simulation = 10000 nun people = 23 Comision-probability = birthday-attack-Simulahin

(num-simulation, num-people) Print (f"probability of a Shored birthday in a group of Inui-people? of simulation. (Corlision - probability: uf").