Mặc định 4 cụm

Alpha = 1

[(0, 0.1012), (1, 0.0998), (2, 0.1149), (3, 0.1), (4, 0.1081), (5, 0.1516), (6, 0.1194), (7, 0.1621), (8, 0.1422), (9, 0.1861), (10, 0.1364), (11, 0.1892), (12, 0.1923), (13, 0.1963), (14, 0.1803), (15, 0.19), (16, 0.1681), (17, 0.2026), (18, 0.1968), (19, 0.169), (20, 0.2035), (21, 0.1902), (22, 0.2143), (23, 0.2128), (24, 0.23), (25, 0.2492), (26, 0.2219), (27, 0.2021), (28, 0.2342), (29, 0.265), (30, 0.2128), (31, 0.1717), (32, 0.2469), (33, 0.2358), (34, 0.2542), (35, 0.2394), (36, 0.2917), (37, 0.2537), (38, 0.2806), (39, 0.2713), (40, 0.2829), (41, 0.3025), (42, 0.2763), (43, 0.257), (44, 0.2602), (45, 0.2957), (46, 0.2907), (47, 0.3209), (48, 0.269), (49, 0.2796), (50, 0.2538), (51, 0.2645), (52, 0.3095), (53, 0.2953), (54, 0.3041), (55, 0.3015), (56, 0.3166), (57, 0.2857), (58, 0.2996), (59, 0.3034), (60, 0.3132), (61, 0.3015), (62, 0.3318), (63, 0.286), (64, 0.32), (65, 0.329), (66, 0.3154), (67, 0.3177), (68, 0.3258), (69, 0.3177), (70, 0.3096), (71, 0.2938), (72, 0.3323), (73, 0.3412), (74, 0.3063), (75, 0.3444), (76, 0.3059), (77, 0.315), (78, 0.323), (79, 0.3461), (80, 0.3513), (81, 0.3242), (82, 0.3322), (83, 0.3352), (84, 0.292), (85, 0.3127), (86, 0.3403), (87, 0.3625), (88, 0.3557), (89, 0.3506), (90, 0.3539), (91, 0.3579), (92, 0.3541), (93, 0.3615), (94, 0.3354), (95, 0.3654), (96, 0.3673), (97, 0.349), (98, 0.3598), (99, 0.3492), (100, 0.3624), (101, 0.3564), (102, 0.3539), (103, 0.3296), (104, 0.36), (105, 0.3585), (106, 0.3653), (107, 0.3774), (108, 0.3849), (109, 0.3743), (110, 0.3686), (111, 0.3496), (112, 0.3554), (113, 0.3796), (114, 0.3658), (115, 0.3894), (116, 0.3503), (117, 0.3677), (118, 0.3552), (119, 0.3614), (120, 0.3565), (121, 0.3921), (122, 0.3856), (123, 0.378), (124, 0.3843), (125, 0.3821), (126, 0.3586), (127, 0.3729), (128, 0.3983), (129, 0.3685), (130, 0.4042), (131, 0.3765), (132, 0.3639), (133, 0.3813), (134, 0.3423), (135, 0.3875), (136, 0.3761), (137, 0.4003), (138, 0.3983), (139, 0.3801), (140, 0.3799), (141, 0.3883), (142, 0.3911), (143, 0.3839), (144, 0.3864), (145, 0.4053), (146, 0.3993), (147, 0.3909), (148, 0.4111), (149, 0.4119), (150, 0.4027), (151, 0.3972), (152, 0.4012), (153, 0.4183), (154, 0.4187), (155, 0.3917), (156, 0.4069), (157, 0.4102), (158, 0.4185), (159, 0.4104), (160, 0.4096), (161, 0.4231), (162, 0.4059), (163, 0.4051), (164, 0.4139), (165, 0.3943), (166, 0.4102), (167, 0.3843), (168, 0.4182), (169, 0.4053), (170, 0.4173), (171, 0.4161), (172, 0.4356), (173, 0.4036), (174, 0.4113), (175, 0.4332), (176, 0.4254), (177, 0.4402), (178, 0.4218), (179, 0.4323), (180, 0.4325), (181, 0.3972), (182, 0.4414), (183, 0.4298), (184, 0.3915), (185, 0.4003), (186, 0.4408), (187, 0.427), (188, 0.4259), (189, 0.4343), (190, 0.4245), (191, 0.4236), (192, 0.4111), (193, 0.4179), (194, 0.451), (195, 0.4315), (196, 0.4223), (197, 0.3886), (198, 0.4315), (199, 0.4218), (200, 0.4485), (201, 0.4399), (202, 0.4398), (203, 0.4319), (204, 0.4374), (205, 0.4294), (206, 0.4349), (207, 0.4436), (208, 0.412), (209, 0.45), (210, 0.4277), (211, 0.4523), (212, 0.4146), (213, 0.4421), (214, 0.4448), (215, 0.4181), (216, 0.4323), (217, 0.4063), (218, 0.4437), (219, 0.4445), (220, 0.441), (221, 0.3983), (222, 0.4499), (223, 0.4481), (224, 0.4479), (225, 0.4197), (226, 0.4453), (227, 0.4439), (228, 0.4426), (229, 0.4275), (230, 0.4279), (231, 0.4474), (232, 0.4364), (233, 0.4458), (234, 0.3956), (235, 0.4253), (236, 0.429), (237, 0.4511), (238, 0.459), (239, 0.4631), (240, 0.4513), (241, 0.4519), (242, 0.4445), (243, 0.4544), (244, 0.4537), (245, 0.4644), (246, 0.4249), (247, 0.4196), (248, 0.4403), (249, 0.4562), (250, 0.4474), (251, 0.417), (252, 0.458), (253, 0.4454), (254, 0.4448), (255, 0.4238), (256, 0.4438), (257, 0.4484), (258, 0.4554), (259, 0.464), (260, 0.459), (261, 0.4582), (262, 0.462), (263, 0.4541), (264, 0.4551), (265, 0.4622), (266, 0.4704), (267, 0.4501), (268, 0.3876), (269, 0.4477), (270, 0.4583), (271, 0.4657), (272, 0.4571), (273, 0.4648), (274, 0.4451), (275, 0.4696), (276, 0.4442), (277, 0.456), (278, 0.4522), (279, 0.4543), (280, 0.4594), (281, 0.4754), (282, 0.4409), (283, 0.4233), (284, 0.4488), (285, 0.4159), (286, 0.4391), (287, 0.4532), (288, 0.4665), (289, 0.4692), (290, 0.468), (291, 0.4675), (292, 0.4657), (293, 0.4599), (294, 0.4533), (295, 0.4383), (296, 0.4728), (297, 0.4562), (298, 0.4637), (299, 0.4727), (300, 0.4387), (301, 0.452), (302, 0.4573), (303, 0.4717), (304, 0.4493), (305, 0.454), (306, 0.4495), (307, 0.4517), (308, 0.4542), (309, 0.4622), (310, 0.4625), (311, 0.4605), (312, 0.4751), (313, 0.4568), (314, 0.4597), (315, 0.4681), (316, 0.4595), (317, 0.4301), (318, 0.4614), (319, 0.4556), (320, 0.4704), (321, 0.4792), (322, 0.4613), (323, 0.4701), (324, 0.4776), (325, 0.415), (326, 0.4492), (327, 0.4496), (328, 0.4632), (329, 0.4805), (330, 0.457), (331, 0.4411), (332, 0.4664), (333, 0.4715), (334, 0.4691), (335, 0.4539), (336, 0.4788), (337, 0.4727), (338, 0.477), (339, 0.4842), (340, 0.4792), (341, 0.4697), (342, 0.4734), (343, 0.4734), (344, 0.4747), (345, 0.4539), (346, 0.469), (347, 0.4556), (348, 0.4761), (349, 0.4788), (350, 0.4546), (351, 0.4633), (352, 0.4242), (353, 0.4777), (354, 0.458), (355, 0.4743), (356, 0.4323), (357, 0.4696), (358, 0.4586), (359, 0.4728), (360, 0.4719), (361, 0.4751), (362, 0.4617), (363, 0.4609), (364, 0.4827), (365, 0.4859), (366, 0.4722), (367, 0.4732), (368, 0.4829), (369, 0.4844), (370, 0.4738), (371, 0.4635), (372, 0.4876), (373, 0.4736), (374, 0.4858), (375, 0.4701), (376, 0.4475), (377, 0.4706), (378, 0.4682), (379, 0.4893), (380, 0.4619), (381, 0.4781), (382, 0.4881), (383, 0.4643), (384, 0.4589), (385, 0.4416), (386, 0.4714), (387, 0.4799), (388, 0.4751), (389, 0.4538), (390, 0.457), (391, 0.4663), (392, 0.4777), (393, 0.4508), (394, 0.4564), (395, 0.4827), (396, 0.4865), (397, 0.4438), (398, 0.4707), (399, 0.4902), (400, 0.4647), (401, 0.4569), (402, 0.4717), (403, 0.4859), (404, 0.4885), (405, 0.4925), (406, 0.4929), (407, 0.4454), (408, 0.4643), (409, 0.4862), (410, 0.4831), (411, 0.4782), (412, 0.4825), (413, 0.475), (414, 0.4743), (415, 0.4808), (416, 0.4874), (417, 0.4967), (418, 0.4843), (419, 0.4296), (420, 0.4629), (421, 0.4904), (422, 0.4948), (423, 0.4387), (424, 0.4893), (425, 0.4962), (426, 0.4499), (427, 0.4695), (428, 0.477), (429, 0.4712), (430, 0.4745), (431, 0.4787), (432, 0.4708), (433, 0.4841), (434, 0.4793), (435, 0.49), (436, 0.4979), (437, 0.4884), (438, 0.4942), (439, 0.4969), (440, 0.4873), (441, 0.4936), (442, 0.4877), (443, 0.4685), (444, 0.4792), (445, 0.5029), (446, 0.4859), (447, 0.4876), (448, 0.4849), (449, 0.487), (450, 0.4879), (451, 0.4978), (452, 0.4874), (453, 0.4962), (454, 0.491), (455, 0.5037), (456, 0.4962), (457, 0.4832), (458, 0.4885), (459, 0.4868), (460, 0.4986), (461, 0.4868), (462, 0.4768), (463, 0.4917), (464, 0.4974), (465, 0.4866), (466, 0.494), (467, 0.4859), (468, 0.4938), (469, 0.492), (470, 0.4938), (471, 0.4832), (472, 0.5077), (473, 0.4843), (474, 0.4669), (475, 0.4966), (476, 0.4944), (477, 0.4964), (478, 0.5032), (479, 0.4858), (480, 0.4861), (481, 0.5082), (482, 0.5002), (483, 0.4819), (484, 0.484), (485, 0.4988), (486, 0.5005), (487, 0.5055), (488, 0.4873), (489, 0.4871), (490, 0.4959), (491, 0.491), (492, 0.4819), (493, 0.4983), (494, 0.5054), (495, 0.4872), (496, 0.4834), (497, 0.4787), (498, 0.459), (499, 0.4907), (500, 0.4796), (501, 0.4632), (502, 0.49), (503, 0.499), (504, 0.4892), (505, 0.4985), (506, 0.4587), (507, 0.4757), (508, 0.4963), (509, 0.4913), (510, 0.5039), (511, 0.4852), (512, 0.5033), (513, 0.5083), (514, 0.5031), (515, 0.4969), (516, 0.5019), (517, 0.5074), (518, 0.4913), (519, 0.4827), (520, 0.5023), (521, 0.5045), (522, 0.4988), (523, 0.4905), (524, 0.5034), (525, 0.4793), (526, 0.5111), (527, 0.5022), (528, 0.5019), (529, 0.4967), (530, 0.5023), (531, 0.5054), (532, 0.5021), (533, 0.4767), (534, 0.4889), (535, 0.5018), (536, 0.4942), (537, 0.4625), (538, 0.5032), (539, 0.4955), (540, 0.502), (541, 0.4762), (542, 0.5011), (543, 0.5083), (544, 0.4919), (545, 0.5107), (546, 0.5106), (547, 0.4837), (548, 0.5019), (549, 0.5178), (550, 0.4906), (551, 0.5101), (552, 0.5114), (553, 0.5127), (554, 0.4868), (555, 0.4994), (556, 0.5013), (557, 0.5168), (558, 0.4811), (559, 0.5017), (560, 0.4694), (561, 0.4892), (562, 0.5061), (563, 0.5095), (564, 0.5162), (565, 0.4734), (566, 0.5114), (567, 0.5067), (568, 0.5073), (569, 0.4768), (570, 0.4975), (571, 0.4856), (572, 0.4977), (573, 0.5128), (574, 0.5126), (575, 0.517), (576, 0.5044), (577, 0.5008), (578, 0.5107), (579, 0.4967), (580, 0.503), (581, 0.5147), (582, 0.5053), (583, 0.4676), (584, 0.5007), (585, 0.5021), (586, 0.5025), (587, 0.5091), (588, 0.5194), (589, 0.5171), (590, 0.4995), (591, 0.5036), (592, 0.5077), (593, 0.5105), (594, 0.516), (595, 0.4942), (596, 0.4793), (597, 0.4827), (598, 0.4944), (599, 0.5076), (600, 0.506), (601, 0.5003), (602, 0.5177), (603, 0.492), (604, 0.4891), (605, 0.5164), (606, 0.5207), (607, 0.5191), (608, 0.5075), (609, 0.5138), (610, 0.5181), (611, 0.5123), (612, 0.5015), (613, 0.5157), (614, 0.4995), (615, 0.5161), (616, 0.5209), (617, 0.5087), (618, 0.5151), (619, 0.4957), (620, 0.501), (621, 0.4834), (622, 0.5073), (623, 0.5068), (624, 0.4818), (625, 0.5097), (626, 0.5146), (627, 0.5208), (628, 0.524), (629, 0.5123), (630, 0.5134), (631, 0.5235), (632, 0.5125), (633, 0.5161), (634, 0.502), (635, 0.5171), (636, 0.4982), (637, 0.522), (638, 0.5207), (639, 0.499), (640, 0.4805), (641, 0.4869), (642, 0.5075), (643, 0.5159), (644, 0.5017), (645, 0.514), (646, 0.5114), (647, 0.5072), (648, 0.4922), (649, 0.4943), (650, 0.5204), (651, 0.5223), (652, 0.5199), (653, 0.5309), (654, 0.4851), (655, 0.5152), (656, 0.5167), (657, 0.5061), (658, 0.511), (659, 0.4986), (660, 0.5095), (661, 0.5103), (662, 0.5194), (663, 0.4913), (664, 0.4909), (665, 0.5181), (666, 0.4972), (667, 0.5045), (668, 0.5178), (669, 0.5109), (670, 0.5075), (671, 0.511), (672, 0.5123), (673, 0.5191), (674, 0.5244), (675, 0.5117), (676, 0.5334), (677, 0.5143), (678, 0.5209), (679, 0.5269), (680, 0.5066), (681, 0.5167), (682, 0.5195), (683, 0.4951), (684, 0.5063), (685, 0.5331), (686, 0.5154), (687, 0.5136), (688, 0.5111), (689, 0.5095), (690, 0.5228), (691, 0.5167), (692, 0.5156), (693, 0.5068), (694, 0.4998), (695, 0.5072), (696, 0.5019), (697, 0.513), (698, 0.523), (699, 0.5174), (700, 0.5137), (701, 0.5162), (702, 0.5162), (703, 0.5337), (704, 0.5296), (705, 0.5228), (706, 0.5087), (707, 0.5213), (708, 0.5186), (709, 0.5298), (710, 0.5266), (711, 0.5324), (712, 0.5241), (713, 0.5033), (714, 0.5122), (715, 0.5315), (716, 0.5261), (717, 0.5218), (718, 0.5095), (719, 0.5188), (720, 0.5268), (721, 0.5105), (722, 0.5267), (723, 0.5266), (724, 0.5159), (725, 0.5309), (726, 0.5068), (727, 0.5234), (728, 0.5285), (729, 0.5311), (730, 0.5187), (731, 0.5299), (732, 0.5088), (733, 0.5201), (734, 0.517), (735, 0.5206), (736, 0.5301), (737, 0.5297), (738, 0.5227), (739, 0.4933), (740, 0.5277), (741, 0.5154), (742, 0.5243), (743, 0.5291), (744, 0.5233), (745, 0.5376), (746, 0.5259), (747, 0.5294), (748, 0.5368), (749, 0.5267), (750, 0.5164), (751, 0.5239), (752, 0.531), (753, 0.527), (754, 0.5232), (755, 0.535), (756, 0.5297), (757, 0.5322), (758, 0.5243), (759, 0.5278), (760, 0.5133), (761, 0.5271), (762, 0.5289), (763, 0.5362), (764, 0.5237), (765, 0.5243), (766, 0.5357), (767, 0.527), (768, 0.5333), (769, 0.5352), (770, 0.5334), (771, 0.5214), (772, 0.5348), (773, 0.5323), (774, 0.5419), (775, 0.5404), (776, 0.5269), (777, 0.5296), (778, 0.5049), (779, 0.5029), (780, 0.5161), (781, 0.5323), (782, 0.5253), (783, 0.5211), (784, 0.5332), (785, 0.5019), (786, 0.5357), (787, 0.5228), (788, 0.5419), (789, 0.53), (790, 0.5366), (791, 0.4919), (792, 0.5388), (793, 0.5362), (794, 0.5235), (795, 0.5213), (796, 0.531), (797, 0.5171), (798, 0.5338), (799, 0.5264), (800, 0.523), (801, 0.5283), (802, 0.5351), (803, 0.5039), (804, 0.5193), (805, 0.5347), (806, 0.5228), (807, 0.5396), (808, 0.5149), (809, 0.5303), (810, 0.5244), (811, 0.5327), (812, 0.5313), (813, 0.5374), (814, 0.5283), (815, 0.5394), (816, 0.5232), (817, 0.5437), (818, 0.5347), (819, 0.5431), (820, 0.5244), (821, 0.5217), (822, 0.5262), (823, 0.54), (824, 0.542), (825, 0.5311), (826, 0.5256), (827, 0.5338), (828, 0.5373), (829, 0.5144), (830, 0.5312), (831, 0.5364), (832, 0.5345), (833, 0.5324), (834, 0.5338), (835, 0.5259), (836, 0.5321), (837, 0.5337), (838, 0.5383), (839, 0.5389), (840, 0.5398), (841, 0.5273), (842, 0.5264), (843, 0.5264), (844, 0.5382), (845, 0.5321), (846, 0.5141), (847, 0.545), (848, 0.5436), (849, 0.5215), (850, 0.5456), (851, 0.5289), (852, 0.5382), (853, 0.5377), (854, 0.5421), (855, 0.5373), (856, 0.5223), (857, 0.5163), (858, 0.5352), (859, 0.5412), (860, 0.5461), (861, 0.5341), (862, 0.5399), (863, 0.5409), (864, 0.5455), (865, 0.5341), (866, 0.5285), (867, 0.517), (868, 0.543), (869, 0.5379), (870, 0.4967), (871, 0.5359), (872, 0.5312), (873, 0.5344), (874, 0.5418), (875, 0.5185), (876, 0.5499), (877, 0.531), (878, 0.5421), (879, 0.5257), (880, 0.5384), (881, 0.5371), (882, 0.5368), (883, 0.5339), (884, 0.5356), (885, 0.5493), (886, 0.5286), (887, 0.5347), (888, 0.5474), (889, 0.5421), (890, 0.5434), (891, 0.5147), (892, 0.5462), (893, 0.5465), (894, 0.5334), (895, 0.5431), (896, 0.5456), (897, 0.5453), (898, 0.5443), (899, 0.553), (900, 0.539), (901, 0.5383), (902, 0.527), (903, 0.5139), (904, 0.5444), (905, 0.5245), (906, 0.5205), (907, 0.547), (908, 0.5432), (909, 0.5425), (910, 0.5456), (911, 0.5552), (912, 0.5291), (913, 0.5366), (914, 0.5437), (915, 0.5268), (916, 0.5464), (917, 0.5248), (918, 0.5378), (919, 0.5484), (920, 0.5184), (921, 0.5239), (922, 0.5122), (923, 0.5459), (924, 0.5348), (925, 0.5153), (926, 0.5367), (927, 0.5242), (928, 0.5265), (929, 0.5477), (930, 0.535), (931, 0.5472), (932, 0.5453), (933, 0.5013), (934, 0.5508), (935, 0.5475), (936, 0.5412), (937, 0.5394), (938, 0.5334), (939, 0.5508), (940, 0.5406), (941, 0.5451), (942, 0.5434), (943, 0.5174), (944, 0.5253), (945, 0.5386), (946, 0.5412), (947, 0.5299), (948, 0.5503), (949, 0.5462), (950, 0.511), (951, 0.5569), (952, 0.5567), (953, 0.5568), (954, 0.5341), (955, 0.5343), (956, 0.5546), (957, 0.5565), (958, 0.536), (959, 0.5456), (960, 0.5486), (961, 0.5491), (962, 0.5239), (963, 0.5511), (964, 0.5418), (965, 0.5489), (966, 0.544), (967, 0.554), (968, 0.5395), (969, 0.5402), (970, 0.5317), (971, 0.5519), (972, 0.5282), (973, 0.5133), (974, 0.5379), (975, 0.5409), (976, 0.5565), (977, 0.5232), (978, 0.5406), (979, 0.5511), (980, 0.534), (981, 0.5427), (982, 0.5556), (983, 0.55), (984, 0.5334), (985, 0.5456), (986, 0.5314), (987, 0.5556), (988, 0.547), (989, 0.5449), (990, 0.5573), (991, 0.5442), (992, 0.5331), (993, 0.5426), (994, 0.554), (995, 0.5543), (996, 0.5498), (997, 0.547), (998, 0.555), (999, 0.5557), (1000, 0.5367)]