

Chinese remainder theorem: example

$$m = 8, n = 11$$

	0	1	2	3	4	5	6	7
0	0	33	66	11	44	77	22	55
1	56	1	34	67	12	45	78	23
2	24	57	2	35	68	13	46	79
3	80	25	58	3	36	69	14	47
4	48	81	26	59	4	37	70	15
5	16	49	82	27	60	5	38	71
6	72	17	50	83	28	61	6	39
7	40	73	18	51	84	29	62	7
8	8	41	74	19	52	85	30	63
9	64	9	42	75	20	53	86	31
10	32	65	10	43	76	21	54	87

Chinese remainder theorem: non-example

$m = 9, n = 12$

	0	1	2	3	4	5	6	7	8
0	0			12			24		
1		1			13			25	
2			2			14			26
3	27			3			15		
4		28			4			16	
5			29			5			17
6	18			30			6		
7		19			31			7	
8			20			32			8
9	9			21			33		
10		10			22			34	
11			11			23			35