



Problem of the Week

Problem C

Sum of Everything

If you were to list the integers from 1 to 12, you would get the list

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.

If you were to sum the digits of the integers in this list, you would get the sum

$$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + (1 + 0) + (1 + 1) + (1 + 2) = 51.$$

Below are the integers from 1 to 100. Can you find the sum of all of the digits of these numbers?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

