

Decimal to Binary

Convert the following decimal numbers into binary:

- 25
- 100
- 255
- 1024

25 : 11001

Input	Result	Reminder
25 / 2	12	1
12 / 2	6	0
6 / 2	3	0
3 / 2	1	1
1 / 2	0	1

100 : 1100100

Input	Result	Reminder
100 / 2	50	0
50 / 2	25	0
25 / 2	12	1
12 / 2	6	0
6 / 2	3	0
3 / 2	1	1
1 / 2	0	1

255 : 11111111

Input	Result	Reminder
255 / 2	127	1
127 / 2	63	1
63 / 2	31	1
31 / 2	15	1
15 / 2	7	1
7 / 2	3	1
3 / 2	1	1
1 / 2	0	1

1024 : 10000000000

Input	Result	Reminder
1024 / 2	512	0
512 / 2	256	0
256 / 2	128	0
128 / 2	64	0
64 / 2	32	0
32 / 2	16	0
16 / 2	8	0
8 / 2	4	0
4 / 2	2	0
2 / 2	1	0
1 / 2	0	1