

**Table 1**  
Calculating terms over time.

Sample	Desired	Actual	Error	Sum(err)	Output
1	100	0	100	100	100
2	100	20	80	180	130
3	100	40	60	240	150
4	100	60	40	280	160
5	100	80	20	300	160
6	100	100	0	300	150
7	100	120	- 20	280	130
8	100	130	- 30	250	110
9	100	120	- 20	230	105
10	100	110	- 10	220	105
11	100	105	- 5	215	105
12	100	105	- 5	210	102
13	100	103	- 3	207	102