

SAS Data Step Merge

```
data t;
  input a me bpid;
cards;
1 11 1
2 12 2
1 21 3
1 31 4
2 22 5
3 13 6
4 34 7
5 35 8
6 26 9
7 27 10
8 28 11
;
```

```
data t2;
  input x obnum;
cards;
1 1 0
2 2 0
3 3 0
4 4 0
5 5 0
1 6 0
1 7 0
2 8 0
3 9 0
4 10 0
5 11 0
1 12 0
1 13 0
1 14 0
2 15 0
3 16 0
4 17 0
5 18 0
9 19 0
11 20 0
;
```

```
PROC SORT data=t; BY a;
  RUN;
PROC SORT data=t2; BY x;
  RUN;
```

```
data m;
  set t;
  do i=1 to n;
  set t2 point=i nobs=n;

  if a=x then output;
  end;
  run;
```

```
proc sort data=m nodupkey;
  by a me obnum;
```

```
proc print data=m;
  run;
```

Results

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