

```

@ bmv2 : s1;
snippet join()
  persistent i_id : bit<1>[100];
  persistent c_id : bit<1>[100];
  persistent i_time : bit<32>[100];
  persistent c_time : bit<32>[100];
  transient join_test: bit<1>;
  if(udp.srcPort == 11111)
    i_id[p.ad_id] = 1;
    i_id[p.ad_id] = p.i_time;
    join_test = c_id[p.ad_id] == 1;
    p.c_time = join_test ? c_time[p.ad_id] : 0;
  if(udp.srcPort == 22222)
    c_id[p.ad_id] = 1;
    c_id[p.ad_id] = p.c_time;
    join_test = i_id[p.ad_id] == 1;
    p.i_time = join_test ? i_time[p.ad_id] : 0;

```

```

packet p: udp(srcPort : 11111, 22222)
  ad_id : bit<32>;
  i_time : bit<32>;
  c_time : bit<32>;

```

```

@ bmv2 : s2;
Snippet transient filter()
  c_null : bit<1>;
  transient i_null : bit<1>;
  c_null = p.c_time == 0;
  i_null = p.i_time == 0;
  if(c_null or i_null)
    drop();
  if(p.ad_id != 7)
    drop();

```

