```
instr addr t IP CLASSIFY()
{ IP protocol t wordx;
  //Lookup the destination address
  Dport = LOOKUPX(Da);
  //Read the TTL and Chksum fields
  wordx = MEMX(LOAD, PP, TTL WORD);
  TTL = wordx.TTL;
  Chksum = wordx.CHKSUM;
  TTL = TTL - 1;
  Chksum = Update chksum(Chksum);
  switch (TTL == 0) {
   case OK: Next step = NP INSTR EMIT;
   default: Next Step =
              NP INSTR EXCEPTION;
```