











```
long pcount_for_goto_dw
(unsigned long x) {
    size_t i;
    long result = 0;
    i = 0;
    if (!(i < 64))
        goto done;
    loop:
        unsigned bit -
                            Goto Version
    C Code
 long pcount_for
      (unsigned long x)
      size_t i;
long result = 0;
for (i = 0; i < 64; i++)
          unsigned bit =
  (x >> 1) & 0x1;
result += bit;
                                                                          unsigned bit =
(x \gg 1) & 0x1
result += bit;
                                                                      if (i Update )
goto loop;
Test
      return result;
                                                                    done:
                                                                      return result;
           Initial test can be optimized
       away
MSC 15400
```