```c
      ...
bound = 0;

for (y = 0; y < mb_height; y++) {
  cp_mb = st_mb = 0;
  for (x = 0; x < mb_width; x++) {
    MACROBLOCK *mb;

    /* skip stuffing */
    while (BitstreamShowBits(bs, 10) == 1)
      BitstreamSkip(bs, 10);

      if (check_resync_marker(bs, fcode - 1)) {
        bound = read_video_packet_header(bs, dec, fcode - 1,
                &quant, &fcode, NULL, &intra_dc_threshold);
        x = bound % mb_width;
        y = bound / mb_width;
      }
      mb = &dec->mbs[y * dec->mb_width + x];

      DPRINTF(XVID_DEBUG_MB, "macroblock (%i,%i) %08x\n", x, y, BitstreamShowBits(bs, 32));

      if (!(BitstreamGetBit(bs)))          { /* block _is_ coded */
        uint32_t mcbpc, cbpc, cbpy, cbp;
        uint32_t intra, acpred_flag = 0;
        int mcsel = 0;          /* mcsel: '0'=local motion, '1'=GMC */

        cp_mb++;
        mcbpc = get_mcbpc_inter(bs);
        mb->mode = mcbpc & 7;
        cbpc = (mcbpc >> 4);
```