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* utilities.c
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#include "util.h"
#define ROW_MULTIPLIER 1280 // 640 * 2 for screen doubling
#define ROW 640 // one row offset
#define COL_MULTIPLIER 2 // Offset of the row
* Draws a pixel on the screen. To compensate for our double-resolution screen,
* it must draw 4 real pixels for every in-came pixel.
void util_draw_pixel(uint32_t *frame, uint32_t row, uint32_t c,uint32_t color){
    // We draw 4 pixels for every 1 small-screen pixel
    frame[row * ROW_MULTIPLIER + c * COL_MULTIPLIER]
                                                              = color;
    frame[row * ROW_MULTIPLIER + c * COL_MULTIPLIER + 1]
                                                             = color;
   frame[row * ROW_MULTIPLIER + ROW + c * COL_MULTIPLIER] = color;
   frame[row * ROW_MULTIPLIER + ROW + c * COL_MULTIPLIER + 1] = color;
}
```