

Wish \$this is outlined green

```
set cc [c create]
defineImageType $cc

$cc include <stdlib.h>
$cc include <string.h>
$cc proc bw {image_t im} image_t {
    image_t ret;
    ret.width = im.width;
    ret.height = im.height;
    ret.components = 3;
    ret.bytesPerRow = ret.width * ret.components;
    ret.data = calloc(ret.bytesPerRow, ret.height);

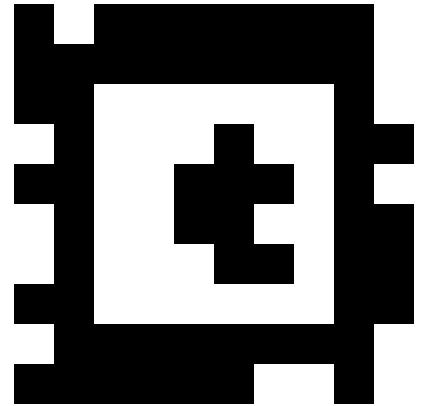
    for (uint32_t y = 0; y < im.height; ++y) {
        int R = 0; int G = 1; int B = 2;
        for (uint32_t x = 0; x < im.width; ++x) {
            int i = y * ret.bytesPerRow + x * ret.components;
            int j = y * im.bytesPerRow + x * im.components;
            ret.data[i + 0] = im.data[j + R];
            ret.data[i + 1] = im.data[j + G];
            ret.data[i + 2] = im.data[j + B];
        }
    }

    return ret;
}

$cc proc freeImage {image_t im} void { free(im.data); }
$cc compile
```

Wish \$this has camera image

```
When $this has camera image /im/ {
    When $this has region /r/ {
        set bwim [bw $im]
        Wish display runs [list Display::image {*}[lindex $r 0 0] $bwim]
        On unmatched [list freeImage $bwim]
    }
}
```



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