

Friday January 19, 2007



| Jan 19, 07 20:29 |  |  |
| :---: | :---: | :---: |
| ```break; } else break; /* Immediate data drops out here */ } else /* Here I have a symbol or vector */ { Header h; int tag; intptr_t len; tag = ((int)a) & TAG_BITS; a = (Lisp_Object) ((char *)a - tag); h = *(Header *)a; #ifdef DEBUG_GC term_printf("Header is %p\n", (void *)h); #endif if (!is_odds(h)) { *p = h; break; } if (tag == TAG_SYMBOL) len = symhdr_length, symbol_heads += symhdr_length; else { len = doubleword_align_up(length_of_header(h)); switch (type_of_header(h)) { case TYPE_STRING: strings += len; break; case TYPE_BIGNUM: big_numbers += len; break; #ifdef COMMON case TYPE_SINGLE_FLOAT: case TYPE_LONG_FLOAT: #endif case TYPE_DOUBLE_FLOAT: box_floats += len; break; case TYPE_SIMPLE_VEC: user_vectors += len; break; default: other_mem += len; break; } } for (;;) { char *vl = (char *)vheaplimit; uintptr_t free = (uintptr_t)(vl - vfr); if (len > (intptr_t)free) { uintptr_t free1 = (uintptr_t)(vfr - (vl - (CSL_PAGE_SIZE - 8))); car32(vl - (CSL_PAGE_SIZE - 8)) = free1; qcar(vfr) = 0; /* sentinel value */ if (pages_count == 0) { term_printf("pages_count = 0 in GC\n") ; ensure_screen(); abort(); return; } p1 = pages[--pages_count]; zero_out(p1); new_vheap_pages[new_vheap_pages_count++] = p1;``` |  |  |
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    break;
    case DONE_PNAME:
#ifndef COMMON
    next = CONT;
    p = &(((Symbol_Head *)tr_vfr)->plist);
    tr_vfr = tr_vfr + symhdr_length;
    break;
#else
    next = DONE_PLIST;
    p = &(((Symbol_Head *)tr_vfr)->plist);
    break;
    case DONE_PLIST:
        next = CONT;
        p = &(((Symbol_Head *)tr_vfr)->package);
        tr_vfr = tr_vfr + symhdr_length;
        break;
#endif
            default:
            p = (Lisp_Object *)(tr + next);
            next -= CELL;
            break;
        }
        break;
    }
    }
}
```

