

```

avail = semcount(typtr->tyisem);
if (avail < 0) { /* One or more processes waiting*/
    avail = 0;
}

/* Handle raw mode */

if (typtr->tyimode == TY_IMRAW) {
    if (avail >= TY_IBUFLLEN) { /* No space => ignore input */
        return;
    }

    /* Place char in buffer with no editing */

    *typtr->tyitail++ = ch;

    /* Wrap buffer pointer */

    if (typtr->tyitail >= &typtr->tyibuff[TY_IBUFLLEN]) {
        typtr->tyitail = typtr->tyibuff;
    }

    /* Signal input semaphore and return */
    signal(typtr->tyisem);
    return;
}

/* Handle cooked and cbreak modes (common part) */

if ( (ch == TY_RETURN) && typtr->tyicrlf ) {
    ch = TY_NEWLINE;
}

/* If flow control is in effect, handle ^S and ^Q */

if (typtr->tyoflow) {
    if (ch == typtr->tyostart) { /* ^Q starts output */
        typtr->tyoheld = FALSE;
        ttykickout(csrptr);
        return;
    } else if (ch == typtr->tyostop) { /* ^S stops output */
        typtr->tyoheld = TRUE;
        return;
    }
}

```