
Subject: String::Cat optimization

Posted by [mirek](#) on Wed, 30 Nov 2011 16:58:00 GMT

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By replacing memcpy with

```
inline void svo_memcpy(char *t, const char *s, int len)
{
    switch(len) {
        case 15: t[14] = s[14];
        case 14: t[13] = s[13];
        case 13: t[12] = s[12];
        case 12: t[11] = s[11];
        case 11: t[10] = s[10];
        case 10: t[9] = s[9];
        case 9: t[8] = s[8];
        case 8: t[7] = s[7];
        case 7: t[6] = s[6];
        case 6: t[5] = s[5];
        case 5: t[4] = s[4];
        case 4: t[3] = s[3];
        case 3: t[2] = s[2];
        case 2: t[1] = s[1];
        case 1: t[0] = s[0];
        return;
    }
    memcpy(t, s, len);
}
```

I have recieved about 10% improvemenced in the String::Cat for small values.
