Q: When linking my program with **MallocDebug**,   I get the error message

```
failed on vm_allocate
```

in the console when I tried to allocate 43 MB.   However, if I relink the exact same program without the **MallocDebug** library,   it runs fine.   Why?

Q: When linking in **MallocDebug**, I noticed that my program   VSIZE (using **ps -ux**)   which was 2MB without **MallocDebug**, would start out way highÐwell over 20MB.   Why?

A: The problem is that **MallocDebug** requires all of the memory to be allocated contiguously, which means that it must guess how much the program might need and allocate all of that at once at the beginning   The current guestimate is 40 MB.   This is the reason why when running your program with **MallocDebug**, you have noticed that the VSIZE went up tremendously.

So if you use **MallocDebug**,   you can only ask for a total of 40 MB over the life of your program. After you cross that barrier,   it fails.   It doesn't matter if you have freed any or all of the memory you have previously asked for.   The indicative error message is : "`failed on`

`vm_allocate`" when you try to use **malloc()**, **calloc()**, or **realloc()**.

There is no workaround other than running your program without using **MallocDebug**.
Note also that **MallocDebug** cannot currently   be used together with **ProcessMonitor**.

QA818

Valid for 2.0, 3.0