

Software Eng. 2AO4 - Software Design I - 2001

Laboratory 5

For weeks starting November 9 and November 16.

You are to repeat Laboratory 4 removing the restriction that n must be between 1 and 100. In this implementation, you are to use dynamic space allocation. The only change in the specification is that we cannot define $ok(n)$ precisely since we do not know how much space is available. $ok(n)$ must be regarded as “space available”. Note that if you call an S procedure for a value of n that is already a triangle, no additional space will be needed; If the S procedure is $START(n)$, space may be returned to the system’s space pool. Since there may be other users of the space pool, we can never predict what the value of $ok(n)$ will be.