Exercise 2-4

2-4. *[8]* What value is returned by the following function? Express your answer as a function of *n*. Give the worst-case running time using Big Oh notation.

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function conundrum(*n*)
   r := 0
   for i := 1 *to n do*
      for j := *i* + 1 *to n do*
         for k := *i* + *j* − 1 *to n do*
            r := *r* + 1
   return(*r*)