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Problem 1

<u>Cache:</u> The cache consists of the minimum cost of the diagonal given vertices <u>range</u> 'i' and 'j'.

<u>Formulae:</u> The recursive formulae is

      return 0 if 'i' == 'j'

      else

      return min(triangle(i,k) + triangle(k+1,j) + cost of diagonal 'i','j'

                            for all i <= k <= j-1 i.e for all i < j

<u>Return value:</u> The minimum triangulation considering all the from vertices 1 to n