Coding Area **01** Hr **36** Min **10** Sec C Guidelines **Coding Area ONLINE EDITOR (B)** Prime Fibonnaci **Editor | Compile & Run History** + Problem Description **Submissions** Given two numbers n1 and n2 **Unevaluated Submissions** 1. Find prime numbers between n1 and n2, then **Feedback Form** 2. Make all possible unique combinations of numbers from the prime numbers list you found in step 1. Graphs 3. From this new list, again find all prime numbers. 4. Find smallest (a) and largest (b) number from the 2nd generated list, also count of this list. 5. Consider smallest and largest number as the 1st and 2nd number to generate Fibonacci series respectively till the count (number of primes in the 2nd list). 6. Print the last number of a Fibonacci series as an output + Constraints 2 <= n1, n2 <= 100 n2 - n1 >= 35 + Input Format One line containing two space separated integers n1 and n2. + Output Last number of a generated Fibonacci series. + Timeout + Test Case Example 1 Input 2 40 Output 13158006689 Explanation 1st prime list = [2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37] Combination of all the primes = [23, 25, 27, 211, 213, 217, 219, 223, 229, 231, 32, 35, 37, 311, 313, 319, 323, 329, 331, 337, 52, 53, 57, 511, 513, 517, 519, 523, 529, 531, 537, 72, 73, 75, 711, 713, 717, 719, 723, 729, 731, 737, 112, 113, 115, 117, 1113, 1117, 1119, 1123, 1129, 1131, 1137, 132, 133, 135, 137, 1311, 1317, 1319, 1323, 1329, 1331, 1337, 172, 173, 175, 177, 1711, 1713, 1719, 1723, 1729, 1731, 1737, 192, 193, 195, 197, 1911, 1913, 1917, 1923, 1929, 1931, 1937, 232, 233, 235, 237, 2311, 2313, 2317, 2319, 2329, 2331, 2337, 292, 293, 295, 297, 2911, 2913, 2917, 2919, 2923, 2931, 2937, 312, 315, 317, 3111, 3113, 3117, 3119, 3123, 3129, 3137, 372, 373, 375, 377, 3711, 3713, 3717, 3719, 3723, 3729, 3731] 2nd prime list=[193, 3137, 197, 2311, 3719, 73, 137, 331, 523, 1931, 719, 337, 211, 23, 1117, 223, 1123, 229, 37, 293, 2917, 1319, 1129, 233, 173, 3119, 113, 53, 373, 311, 313, 1913, 1723, 317] smallest (a) = 23 largest (b) = 3719 Therefore, the last number of a Fibonacci series i.e. 34th Fibonacci number in the series that has 23 and 3719 as the first 2 numbers is 13158006689 Example 2 Input 30 70 Output 2027041 Explanation 1st prime list=[31, 37, 41, 43, 47, 53, 59, 61, 67] 2nd prime list generated form combination of 1st prime list = [3137, 5953, 5347, 6761, 3761, 4337, 6737, 6131, 3767, 4759, 4153, 3167, 4159, 6143] smallest prime in 2nd list=3137 largest prime in 2nd list=6761 Therefore, the last number of a Fibonacci series i.e. 14th Fibonacci number in the series that has 3137 and 6761 as the first 2 numbers is 2027041

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