



Solution

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### 1. First Few Prime and Prime Prime Numbers

<b>2</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>11</b>	13	17	19	<b>23</b>	<b>29</b>
31	37	<b>41</b>	<b>43</b>	<b>47</b>	53	<b>59</b>	<b>61</b>	67	71
73	<b>79</b>	<b>83</b>	89	<b>97</b>	<b>101</b>	103	107	109	<b>113</b>
127	<b>131</b>	<b>137</b>	139	<b>149</b>	<b>151</b>	157	163	<b>167</b>	<b>173</b>
179	181	<b>191</b>	193	197	199	211	<b>223</b>	227	229
233	<b>239</b>	<b>241</b>	251	<b>257</b>	<b>263</b>	269	271	<b>277</b>	<b>281</b>
283	<b>293</b>	307	<b>311</b>	<b>313</b>	<b>317</b>	<b>331</b>	337	<b>347</b>	<b>349</b>
<b>353</b>	359	<b>367</b>	373	379	<b>383</b>	<b>389</b>	397	<b>401</b>	409
<b>419</b>	<b>421</b>	431	433	<b>439</b>	<b>443</b>	449	<b>457</b>	<b>461</b>	463
467	<b>479</b>	487	<b>491</b>	499	503	<b>509</b>	521	523	541

Prime numbers in **red** type also have an **SDQ** that is a **prime number**.

- The prime primes SDQ are: 2, 3, 5, 7, 2, 5, 2, 5, 7, 2, 5, 7, 7, 2, 7, 2, 5, 5, 2, 5, 7, 5, 2, and so on.
- The first single digit 3 does not seem to appear again.
- Take any suspected two digit and greater prime, no matter how large, and take its SDQ. If the SDQ is 3 and if this pattern holds, that number is *NOT A PRIME NUMBER*.