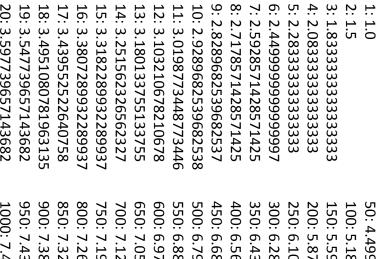
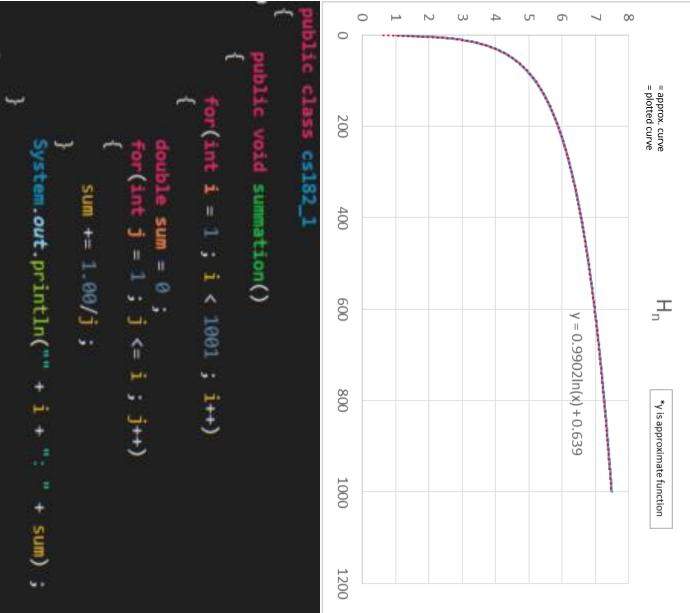
$$H_n = \sum_{k=1}^{n} \frac{1}{k}$$



350: 6.436576710542007 300: 6.282663880299502 100: 5.187377517639621 50: 4.499205338329423 5.878030948121446 5.591180588643881 6.5699296911765055 6.100675249432579

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20: 3.597739657143682 1000: 7.485470860550343 950: 7.434203872949501 900: 7.380165880900755 500: 6.79282342999052 7.197955389950435 6.888042758555136 7.323040134339779 7.2624522623611485 7.1290101155912335 6.974978421969597 6.6875739472545765 7.054957061321836



$$\log n! = \sum_{k=1}^{n} \log k$$

16: 15: 12: 8.680336964082644 ∞ 6: 4: 1:0.0 19: 17.085094621213734 18: 15.806341020260906 17: 14.5510685151576 14: 10.940408352067719 11: 7.601155718035019 10: 6.559763032876794 9: 5.559763032876794 3: 0.7781512503836436 2: 0.3010299956639812 13: 9.79428031638948 3.702430536445525 1.380211241711606 4.605520523437469 2.857332496431268 2.0791812460476247 13.320619593779325 12.1164996111234

800: 650: 750: 700: 600: 550: 500: 450: 400: 350: 200: 150: 900: 2269.8294761838106 850: 2122.719619214308 950: 2418.1456570491423 300: 614.4858030437734 250: 492.50958639546155 100: 157.97000365471575 50: 64.48307487247203 1832.4117549371485 262.75689341092607 1976.8870842376327 1689.3841813336087 1547.9078708720172 1408.1022869662777 1270.1068512561585 1134.086408535134 1000.2388909583985 868.8064141777256 740.0919742162324 374.8968886400403

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