









<ul> <li>Given: a list of length n and a problem to solve</li> <li>Complexity: <i>rough</i> number of steps to solve worst case</li> <li>Suppose we can compute 1000 operations a second:</li> </ul>			
n	0.01 s	0.1 s	1 s
n log n	0.016 s	0.32 s	4.79 s
n <sup>2</sup>	0.1 s	10 s	16.7 m
n <sup>3</sup>	1 s	16.7 m	11.6 d
2 <sup>n</sup>	1 s	4x10 <sup>19</sup> y	3x10 <sup>290</sup> y
Major Topic in 2110: Beyond scope of this course			









