Problems 1-1

pezy

May 10, 2015

	1 second	1 minute	1 hour	1 day	1 month	1 year	1 century
$\lg n$	2^{10^6}	$2^{6\cdot10^7}$	$2^{36\cdot10^8}$	$2^{864\cdot10^8}$	$2^{2592\cdot10^9}$	$2^{31536\cdot10^9}$	$2^{31536\cdot10^{11}}$
$\sqrt{n}$	10^{12}	$3.6\cdot10^{15}$	$1.296\cdot10^{19}$	$7.46496\cdot10^{21}$	$6.718464\cdot10^{24}$	$9.945192960\cdot10^{26}$	$9.945192960\cdot10^{30}$
n	10^6	$6\cdot10^7$	$3.6\cdot10^9$	$8.64\cdot10^{10}$	$2.592\cdot10^{12}$	$3.1536\cdot10^{13}$	$3.1536\cdot10^{15}$
$n\lg n$	62746	2801418	133378059	2755147513	71870856404	$7.9763389\cdot10^{11}$	$6.86109568\cdot10^{13}$
n^2	1000	7745	60000	293938	1609968	5615692	56156922
n^3	100	391	1532	4420	13736	31593	146645
2^n	19	25	31	36	41	44	51
$n!$	9	11	12	13	15	16	17