

coverage

packages in repository R 20000
 effective mean daily rate D 500

parallel running images	N	1	old box 6	new box (mean) 7	new box (max) 10
day					
0		0.0%	0.0%	0.0%	0.0%
1		2.5%	14.1%	16.2%	22.4%
2		5.0%	26.5%	30.2%	40.1%
3		7.5%	37.4%	42.1%	54.1%
4		10.0%	46.9%	52.2%	65.1%
5		12.5%	55.1%	60.7%	73.7%
6		15.0%	62.3%	67.9%	80.3%
7		17.5%	68.5%	74.0%	85.4%
8		20.0%	73.8%	79.0%	89.3%
9		22.5%	78.3%	83.2%	92.2%
10		25.0%	82.2%	86.7%	94.4%
11		27.5%	85.5%	89.5%	96.0%
12		30.0%	88.2%	91.8%	97.2%
13		32.5%	90.5%	93.6%	98.0%
14		35.0%	92.5%	95.1%	98.7%
15		37.5%	94.0%	96.3%	99.1%

coverage = $1 - (1 - \text{day} * D / R)^N$

