

Bucketing: expected #neighbors in a bucket
= $\Theta(1)$ expected, $\leq \mathcal{O}(\log n)$ w.h.p. \Rightarrow #neighbors \approx #buckets

v :

	0		1			
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0		0	1			
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 ...

		1				0
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 ...

Algorithm:

Step 1 pick a uniform random bucket
"fill" this bucket if needed

0	0	1	0	1	1	0	0
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Step 2 pick a uniform random neighbor u

└─ return or reject

Step 3 return u with probability $\frac{\text{\#neighbors in the bucket}}{\mathcal{O}(\log n)}$

otherwise, try again