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***Abstract*—Insert abstract here.**

***Index Terms*—list, of, keywords, here**

I. Introduction

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(1) set $k = 0$
(2) set $\ell_{-1} = 0$
(3) set $x^k = \bar{x}$
(4) **while** $k < K($ **do**
(5) set $n = 0$
(6) set $\ell_k = \text{rand}(k, \ell_{k-1})$
(7) set $x^{k,n} = x^k$
(8) **while** $\boldsymbol{n < N}$ **do**
(9) set $v^{k,n} = \phi'(x^{k,n})$
(10) set $\beta_{k,n} = \alpha^{\ell_k}$
(11) set $x^{k,n+1} = x^{k,n} + \beta_{k,n} v^{k,n}$
(12) set $n = n + 1$
(13) set $\ell_k = \ell_k + 1$
(14) **end while**
(15) set $x^{k+1} = P_T(x^{k,N})$
(16) set $k = k + 1$
(17) **end while**

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