

算法3效率改进.

$$\lim_{t\rightarrow\infty}\frac{2^k-2+kt+(t+1)\left(1-\frac{1}{2^k}\right)}{\frac{3}{2}(kt+1)}=\frac{2}{3}\left(1+\frac{1}{k}\left(1-\frac{1}{2^k}\right)\right)\approx\frac{2}{3}$$

算法4正确.

$$A^{2^k}g_{e_i}\equiv A^{2^k}g^{e_i}\equiv A^{2^k}g^{2^{h_i}u_i}\equiv\left(A^{2^{k-h_i}}g^{u_i}\right)^{2^{h_i}}$$