

- (a) Jacobi : $x \approx [1.17478856 \ 1.64317358 \ 2.44824808 \ 3.05598067 \ 3.94965767 \ 3.09947644]$
- (b) Gauss–Seidel : $x \approx [1.17478856 \ 1.64317358 \ 2.44824809 \ 3.05598067 \ 3.94965767 \ 3.09947644]$
- (c) SOR($\omega=1.25$) : $x \approx [1.17478856 \ 1.64317358 \ 2.44824809 \ 3.05598067 \ 3.94965767 \ 3.09947644]$
- (d) Conj. Grad. : $x \approx [1.17656665 \ 1.64269366 \ 2.44433267 \ 3.06002082 \ 3.95260785 \ 3.09922059]$

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Jacobi      → 迭代 38 次，解  $x \approx [1.17478856 \ 1.64317358 \ 2.44824808 \ 3.05598067 \ 3.94965767 \ 3.09947644]$ 
Gauss–Seidel → 迭代 16 次，解  $x \approx [1.17478856 \ 1.64317358 \ 2.44824809 \ 3.05598067 \ 3.94965767 \ 3.09947644]$ 
SOR( $\omega=1.25$ ) → 迭代 20 次，解  $x \approx [1.17478856 \ 1.64317358 \ 2.44824809 \ 3.05598067 \ 3.94965767 \ 3.09947644]$ 
Conj. Grad. → 迭代 1000 次，解  $x \approx [1.17656665 \ 1.64269366 \ 2.44433267 \ 3.06002082 \ 3.95260785 \ 3.09922059]$ 
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