3b

$u_1' = 1.48$ — $n=0, k=0$

$u_1^1 = u_0 + \frac{h}{2}(2u_0 + 2u_1')$ — $n=0, k=1$

$= 1.496 = u_1'$

$u_2^{1'} = u_1' + \frac{h}{2}(2u_1' + 2u_2^{0'})$ — $n=1, k=0$

$u_2^{0'} = u_1' + 2h u_1' = 2.0944$

$u_2^{1'} = 2.21408$

$u_2^1 = u_1' + \frac{h}{2}(2u_1' + 2u_2^{1'})$ — $n=1, k=1$

$= 2.23802 = u_2'$

$n=2, k=0$