a.
$$h=0.1$$
, $Y=0.5$, $T=YR^2=0.02$, $\chi=ih$, $ostst$; $t_k=kT$, $osks2$, t_k 想

$$u_{i}^{\circ} = \chi_{i}, \quad o \leq i \leq 5;$$
 $u_{o}^{k} = t_{h}, \quad u_{s}^{k} = 0, \quad k \geq 1.$

计算得

$$u_1^1 = 0.2005742$$
, $u_2^1 = 0.3822966$, $u_3^1 = 0.5286124$, $u_4^1 = 0.5321531$, $u_1^2 = 0.1984039$, $u_1^2 = 0.3524672$, $u_3^2 = 0.4468716$, $u_4^2 = 0.3777945$.