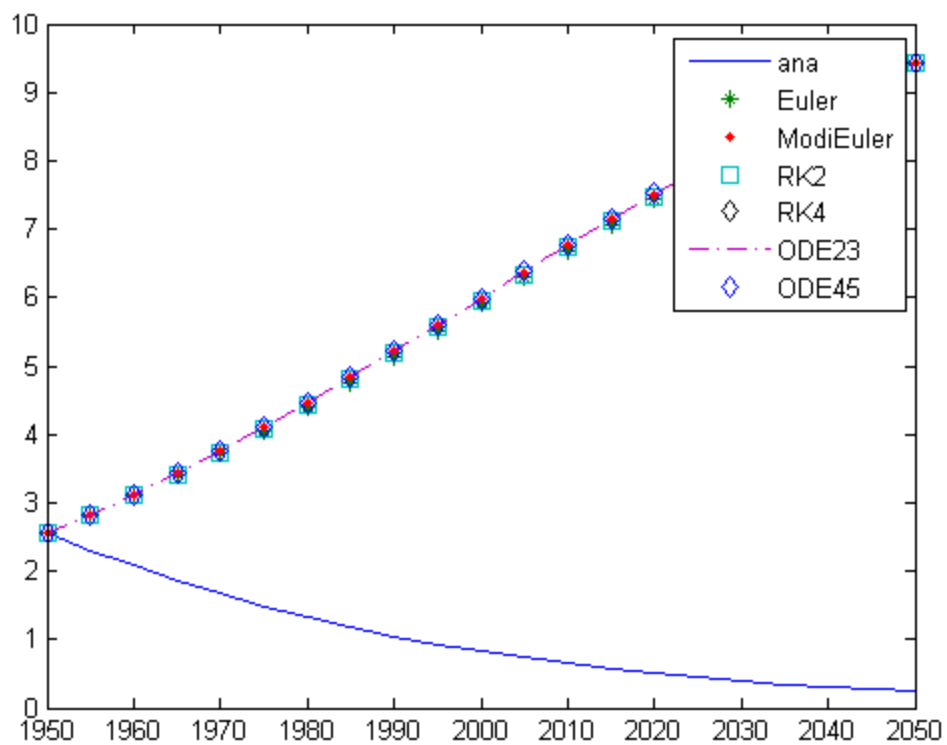


---

```

clc
y0=2.562;a=1950;b=2050;h=5;
[t1,y1]= analytic(y0,a,b,h);
[t2,y2]= euler(y0,a,b,h);
[t3,y3]= eModi(y0,a,b,h);
[t4,y4]= RK2(y0,a,b,h);
[t5,y5]= RK4(y0,a,b,h);
[t6,y6]= ode23(@f,a:h:b,y0);
[t7,y7]= ode45(@f,a:h:b,y0);
plot(t1,y1,t2,y2,'*',t3,y3,'.',t4,y4,'s',t5,y5,'kd',t6,y6,'-.',t7,y7,'bd')
legend('ana','Euler','ModiEuler','RK2','RK4','ODE23','ODE45')

```



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