*****test 1****

b1=1.7279321

b0=-22.552368

yk=644.42944

*****test 2****

b1=0.16812666

b0=-4.0388794

yk=60.85801

*****test 3****

b1=1.4309669

b0=-23.923828

yk=528.4294

*****test 4****

b1=0.14016354

b0=-4.603752

yk=49.499374