restart;

delta := 0.25e-1; beta := .98; s := .31; tau := .453; alpha := .96; eta := .34; theta := .52; gambar := 1.015; A := ((gambar^(theta-eta)-beta\*(1-delta))/(s\*beta\*(1-tau)))^s\*(alpha\*gambar+tau-alpha\*gambar^(theta-eta)/beta)^(-1+s); gamin := .97059;

0.025

0.98

0.31

0.453

0.96

0.34

0.52

1.015

1.183062301

0.97059

Jmin := ((gamin^(theta-eta)-beta\*(1-delta))/(A\*s\*beta\*(1-tau)))^(s/(1-s))-A\*x\*gamin-A\*tau+A\*x\*gamin^(theta-eta)/beta;

-0.0516644391 + 0.052468817 x

alphaHat := fsolve({Jmin = 0}, {x}, 0 .. 2.06);

{x = 0.9846694104}

alphaMax := tau/(gambar\*(gambar^(theta-eta-1)/beta-1));

55.60687806

Thetainf := ln(beta\*(1-delta))/ln(1-delta-(1-s)/alpha);

0.03343159285

alphabar := -tau\*s\*(theta-eta)\*gambar^(theta-eta-1)/((1-s)\*(s\*(1-gambar^(theta-eta-1)/beta)\*(theta-eta)\*gambar^(theta-eta)/(1-s)+(gambar^(theta-eta)-beta\*(1-delta))\*((theta-eta)\*gambar^(theta-eta-1)/beta-1)));

0.9214789812

alpha1 := tau\*(((1-beta\*(1-delta))/(gambar^(theta-eta)-beta\*(1-delta)))^(s/(1-s))-1)/(gambar\*(gambar^(theta-eta-1)/beta-1)\*((1-beta\*(1-delta))/(gambar^(theta-eta)-beta\*(1-delta)))^(s/(1-s))-1/beta+1);

0.9429832593

`&alpha;underline` := tau\*(((beta^((theta-eta)/(theta-eta-1))-beta\*(1-delta))/(gambar^(theta-eta)-beta\*(1-delta)))^(s/(1-s))-1)/(gambar\*(gambar^(theta-eta-1)/beta-1)\*((beta^((theta-eta)/(theta-eta-1))-beta\*(1-delta))/(gambar^(theta-eta)-beta\*(1-delta)))^(s/(1-s)));

0.9079655726

tauhat := alpha\*(1-delta-(beta\*(1-delta))^(1/(theta-eta)));