**Code:**

clc

clear all

close all

lam\_p= 980;

lam\_p1=1480;

lam\_s=1500;

lam\_s1=1510;

ps\_in=0.190;

Pp\_in=0:200;

ps\_out=ps\_in+((lam\_p/lam\_s)\*Pp\_in);

ps\_out1=ps\_in+((lam\_p1/lam\_s1)\*Pp\_in);

plot(Pp\_in,ps\_out,Pp\_in,ps\_out1)

grid on

title('Ps out V/s Pp in')

xlabel('Ps out')

ylabel('Pp in')

**Output:**

****