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```

```

%text(x(fix(4)),y(fix(2)),strcat('(' ,num2str(Vih),',' ,num2str(Vol),')
    slope =-1'))

%draw lines Vih and Vol
point = [Vih, Vol]; % Here the point that will have the reference
    lines
axLims = [1.5 5 0 5]; %[x-min, x-max, y-min, y-max] axis limits
plot(point(1), point(2), 'o')
hold on
plot([point(1), point(1)], [axLims(3), point(2)], '--');
    hold on %vertical line
plot([axLims(1), point(1)], [point(2), point(2)], '--') ; hold on
    %horizontal line
text(axLims(1), Vol, sprintf('point (%.2f, %.2f) Vol',
    point), 'HorizontalAlignment', 'Left', 'VerticalAlignment', 'Bottom');hold on
text(Vih, axLims(3), sprintf('point (%.2f, %.2f) Vih',
    point), 'HorizontalAlignment', 'Left', 'VerticalAlignment', 'Bottom');hold on

grid on

%Noise Margin Calculation
Nml = Vil-Vol %Calculate NML
Nmh = Voh - Vih %Calculate NMH

z =

    1.5000    4.9200
    2.0000    4.7800
    2.1000    4.7100
    2.1500    4.6700
    2.2000    4.6100
    2.2500    4.5600
    2.3000    4.4700
    2.3500    4.3600
    2.4000    4.2400
    2.4500    3.9500
    2.5000    2.1600
    2.5500    0.6700
    2.6000    0.4500
    2.6500    0.3800
    2.7000    0.3000
    2.7500    0.2500
    2.8000    0.2200
    2.8500    0.1800
    2.9000    0.1500
    2.9500    0.1300
    3.0000    0.1100
    3.5000    0.0078
    4.0000    0.0001
    4.5000    0.0001

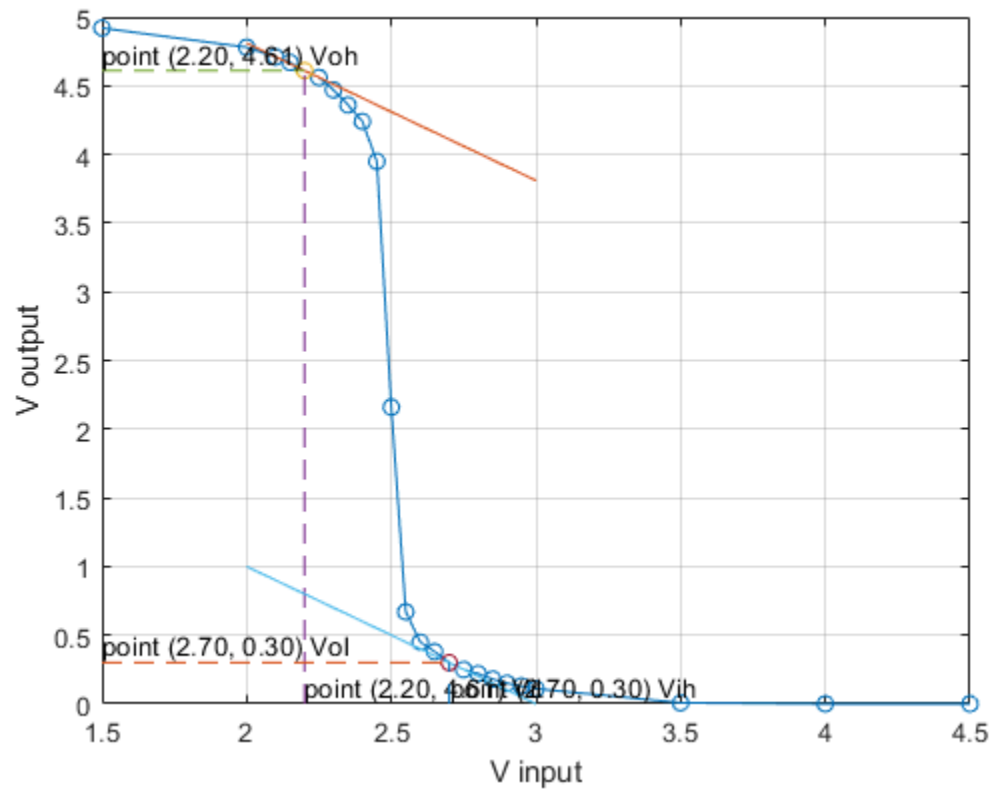
```

$Nm1 =$

1.9000

$Nmh =$

1.9100



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