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```
function y= lab3_gabrans(t)

if nargin == 0
    t=0:0.01:5.5;
end
```

sinusoÄ«da

```
A0 = 0;
A = 3;
T = (2.5-1)/3.5;
f = 1/T;
delay = 1;
%t_sin = 0:0.01:1.43;
t_sinf = (t>=0)&(t<1.45);
t_sin = t(t_sinf);
y_sin = A0+A*sin(2*pi*f*(t_sin-delay));
%plot(t_sin,y_sin)
```

nulles signÄ#ls

```
%t1_zero = 1.45:0.01:2;
t1_zerof = (t>=1.45)&(t<2);
t1_zero = t(t1_zerof);
y1_zero = 0*ones(size(t1_zero));
%plot(t1_zero,y1_zero)
```

LineÄ#ri mainÄ«gs signÄ#ls

```
k = (0.5-0)/(2-3); %slÄ«puma koeficients
%t_saw = 2:0.01:3;
t_sawf = (t>=2)&(t<3);
t_saw = t(t_sawf);
delay = 3;
y_saw = k*(t_saw-delay);
%plot(t_saw,y_saw)
```

TrokÅ#Å†a signÄ#ls

```
%t_noise = 3:0.01:4.5;
```

```
t_noisef = (t>=3)&(t<4.5);
t_noise = t(t_noisef);
y_noise = 3*rand(size(t_noise))-1.5;
% plot(t_noise,y_noise)
```
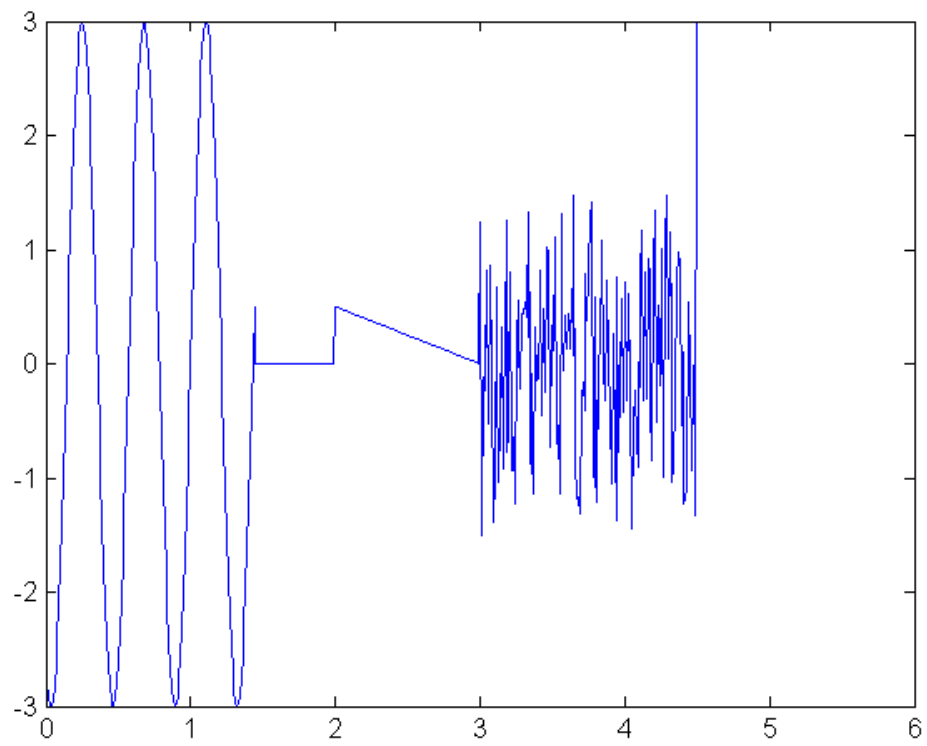
nulles signÄ#ls

```
%t2_zero = 4.5:0.01:5.5;
t2_zerof = (t>=4.5)&(t<=5.5);
t2_zero = t(t2_zerof);
y2_zero = 3*ones(size(t2_zero));
%plot(t2_zero,y2_zero)
```

Vektoru apvienoÅ#ana

```
t = [t_sin,t1_zero,t_saw,t_noise,t2_zero];
y = [y_sin,y1_zero,y_saw,y_noise,y2_zero];
if nargout == 0
plot(t,y);
y = [];
end
```

```
ans =

        []
```

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