

Example#5 : Give a two input neuron with the following parameter bias 2.5 weight [3, 6] input $x = \{-3 ; 5\}$ calculate the neurons output for hard-limiting function!

```
b=2.5;
w=[3 6];
x=[-3;5];
S = b+sum(w*x);
if S>0
    output=+1;
else S<0
    output=-1;
end
disp(['output:',num2str(output)]);
```

```
output:1
```