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%Computing Log Likelihood ratio as a separate function

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function ret=LLR(a,b)    % Function initialisation

if a==Inf                % compare with infinity
    ret=(-1)*b;
elseif b==Inf            % compare with infinity
    ret=(-1)*a;
elseif a==0||b==0        % setting output to zero
    ret=0;
else                    % computing output
    ret=(-1)*sign(a)*sign(b)*min(abs(a),abs(b));
end
end
```