function [V] = utility\_event(celldata,j,n)

%UTILITY\_EVENT Receives global variable "widths" and computes the utility

%of the blocks j to n.

% Receives variable "celldata" from read\_event function and

% calculates the total length "a" by summing the widths of the j to n

% blocks. Also calculate "N" which is the total number of data points in

% the set of blocks j to n. After "a" and "n" are calculted, they are

% substituted into the utility function for Time To Event (TTE) data

% which is the betaln function with parameters N+1 and a-N+1.

a=sum(celldata(j:n));

N=n-j+1;

V=N\*log(N/a);

end