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LAMPIRAN

1. Program MATLAB Pembuktian Sifat Asosiatif *Hypergroup* (H, \circ)

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%Pembuktian sifat asosiatif (H, o_15)
T = {[2, 3], [1, 2, 3], [1, 2]}; [1, 2, 3], [2, 3], [1, 2]}; [1, 2], [1, 2], 3};
test=1;
for x=1:3
    for y=1:3
        for z=1:3
            a={x, y, z}
            k1=length(T{y, z})
            k2=length(T{x, y})
            T1=T{x, T{y, z}(1)}
            for m=2:k1
                T1=union(T1, T{x, T{y, z}(m)})
            end
            T2=T{T{x, y}(1), z}
            for n=2:k2
                T2=union(T2, T{T{x, y}(n), z})
            end
            if isequal(T1, T2)==0
                disp('terjadi kondisi tidak asosiatif')
                test=0;
                break
            end
        end
    end
end
if test==1
    disp('Memenuhi sifat asosiatif')
else disp('Tidak memenuhi sifat asosiatif')
end
cellplot(T)

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