```matlab
function jbn = process2(a, dam, elevation)

%UNTITLED4 Summary of this function goes here

%   Detailed explanation goes here

a_tmp = a;

ind_water = find(a == elevation);        % 集水处

ind_other = find(a ~= elevation);        % 其他高地


a_tmp0 = zeros(size(a_tmp));

a_tmp0 = im2uint8(a_tmp0);

a_tmp0(ind_water) = 255;                 % 用于表示蓝色区域，在下面 cat 函数中，仅添加其蓝色分量


a_tmp1 = zeros(size(a_tmp));

a_tmp1 = im2uint8(a_tmp1);

a_tmp1(ind_other) = a(ind_other);


jbn = cat(3, a_tmp1 + dam, a_tmp1 + dam, a_tmp1 + dam + a_tmp0);   % 水坝和高地 3 通道都要，集水处仅要蓝色分量


end
```

Published with MATLAB? R2015b