Resampling

Input: query image, IQ

Output: resampled image, IR

[M N] = size of IQ

IR 🡨 IQ

//for each odd row

for i 🡨 1 to M Step 2

// for each even column

for j 🡨 2 to N Step 2

IR (i,j-1) 🡨 IQ (i,j-1);

IR (i,j) 🡨 0;

end

end

//for each even row

for i 🡨 2 to M Step 2

//for each odd column

for j 🡨 1 to N-2 Step 2

IR (i,j) 🡨 0;

IR (i,j+1) 🡨 (IQ (i,j)+ IQ (i,j+2))/2;

end

end