04) MON TUE WED THU FRI SAT SUN Laplacian of an mayor, is its consolution with the matrix [0 1 0] = L. Thus we can get the taplacian by taking IPT of the product of DPT's of the image, and filter matrix L. Majurhede of image gradeout is 192 792. (gradient in x direction). Now, ur fand It of an image by comobing it with Ix the filter A=C1 D -1] Thus to get gr, in take the IDFT of the image given to us. To get gg, we comobre mage with filter Thus to get got us take IDIT of the ef product of DIT of matrix B, and DIT of the = mage given to us.

Once have found both grand grand grand grand grand grand wing fourier transforms we samply calculate gradient magnitude at each find gradient magnitude at each at every pixel wing fourier transforms.
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