A non-zero motaix f is turdemental matrix corresponding to a pair of camera matrices P & g if & only it grapped is skew symmetric. The above statement is true. Proof: For matrix to be skew-symmetric, it should satisfy the condition 12. faij = - aji } For fundamental matrix, jollowing condition is always satisfied. x'TFx = 0 where x' & x are corrusponding points.

The condition that & FP is skew aymmetric is equivalent to X'g'FPX = 0 for all X equivalent to xITfx=0, which matrix.

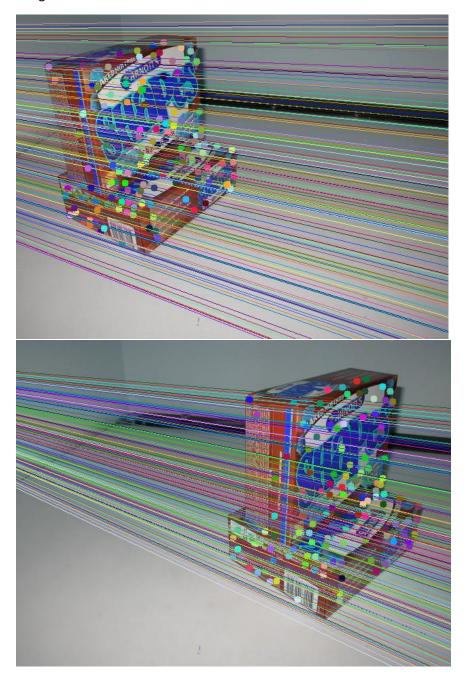
Question1.

```
F = array([[ 5.66273998e-07, 1.11471297e-05, 1.88345714e-04],

[ -9.08797916e-06, 8.54051030e-07, -7.35518978e-03],

[ 3.42708318e-04, 4.82238229e-03, 1.60356357e-01]])
```

Images



Using RANSAC

Matrix =