$I = I_a k_a + l_i(k_{diff})(N.L) + k_{spec}(R.V)^n)$

$P_1 = (1, 1, 1)$
$P_2 = (0, 2, 1)$
$P_3 = (0, 0, 1)$

The ambient of the triangle is $= 0,10,7 \cong 0,07$

after that diffuex of triangle will be N

$N = (P_1 - P_3) \cdot (P_2 - P_3)$

$N = (1,1,0)\,T(0,2,0)\,T = (0,0,1)\,T$

$L = (1,1,5)\,T - (0,33,1,1)\,T = [0,164, 0, 0.986]T$

Now the specular $R = 2N(N.L) - L$

$2(0,0,1)\,T\,[0.986] - (0.164, 0, 0, 0.986)T$

$= (-0.164, 0, 0.986)T$

Hence if the triagle is colored we Ambient as $= 0.07$