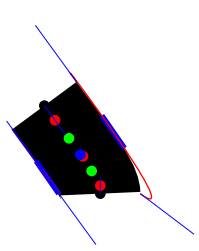
bdir1x = 34.0
bdir1y = -49.0
bdir2x = 8.0
bdir2y = -11.0
cdir1x = 34.0
cdir1y = -49.0
cdir2x = 0.0
cdir2y = 6.0

bloc1x = 338.656
bloc1y = 47.9801
bloc2x = 314.869
bloc2y = 80.1774
cloc1x = 320.525
cloc1y = 72.1575
cloc2x = 333.0
cloc2y = 56.0

bdet = -18.0
cdet = -204.0

bmu = 3.93537
cmu = -0.303632
bnu = -0.226361
cnu = -0.366925

nabs = 1.00603
nxr = -12.3238
nyr = -8.55122

P1 = (331.0 , 83.5)
P2 = (341.5 , 70.0)
P3 = (348.0 , 59.0)
P4 = (336.25 , 76.75)
P5 = (344.75 , 64.5)
P6 = (340.5 , 70.625)
xa = 327.0
ya = 89.0
xb = 335.0
yb = 78.0
xc = 348.0
yc = 62.0
xd = 348.0
yd = 56.0
xar = 314.869
yar = 80.1774
xbr = 346.352
ybr = 36.8884
xcr = 312.828
ycr = 83.2492
xdr = 333.0
ydr = 56.0