## Quadric Machine

| x y xx yy xy b                 | Target | Weights                        | Net  | Output | deltaWeights                      |
|--------------------------------|--------|--------------------------------|------|--------|-----------------------------------|
| 0 0.4 0 0.16 0 1               | 0      | $0\ 0\ 0\ 0\ 0\ 0$             | 0    | 0      | 0 0 0 0 0 0                       |
| -0.1 1.2 0.01 1.44 -0.12 1     | 1      | $0\ 0\ 0\ 0\ 0\ 0$             | 0    | 0      | -0.05 0.6 0.005 0.72 -0.06 0.5    |
| $0.5\ 0.8\ 0.25\ 0.64\ 0.4\ 1$ | 0      | -0.05 0.6 0.005 0.72 -0.06 0.5 | 1.39 | 1      | -0.25 -0.4 -0.125 -0.32 -0.2 -0.5 |