$$s_k^{(ij)} := \frac{f_k(x_k^{(j)})}{}$$

[RGB]0,0,60- $f_k(x_k^{(i)}) \| x_k^{(j)} - x_k^{(i)} \|,$

$$v_k^{(ij)} := \frac{x_k^{(j)}}{}$$

[RGB]0,0,165- $x_k^{(i)} | x_k^{(j)} - x_k^{(i)} \|,$

$$a_k^{(ij)} := \frac{L_f}{2} \| x_k^{(j)} - x_k^{(i)} \|.$$