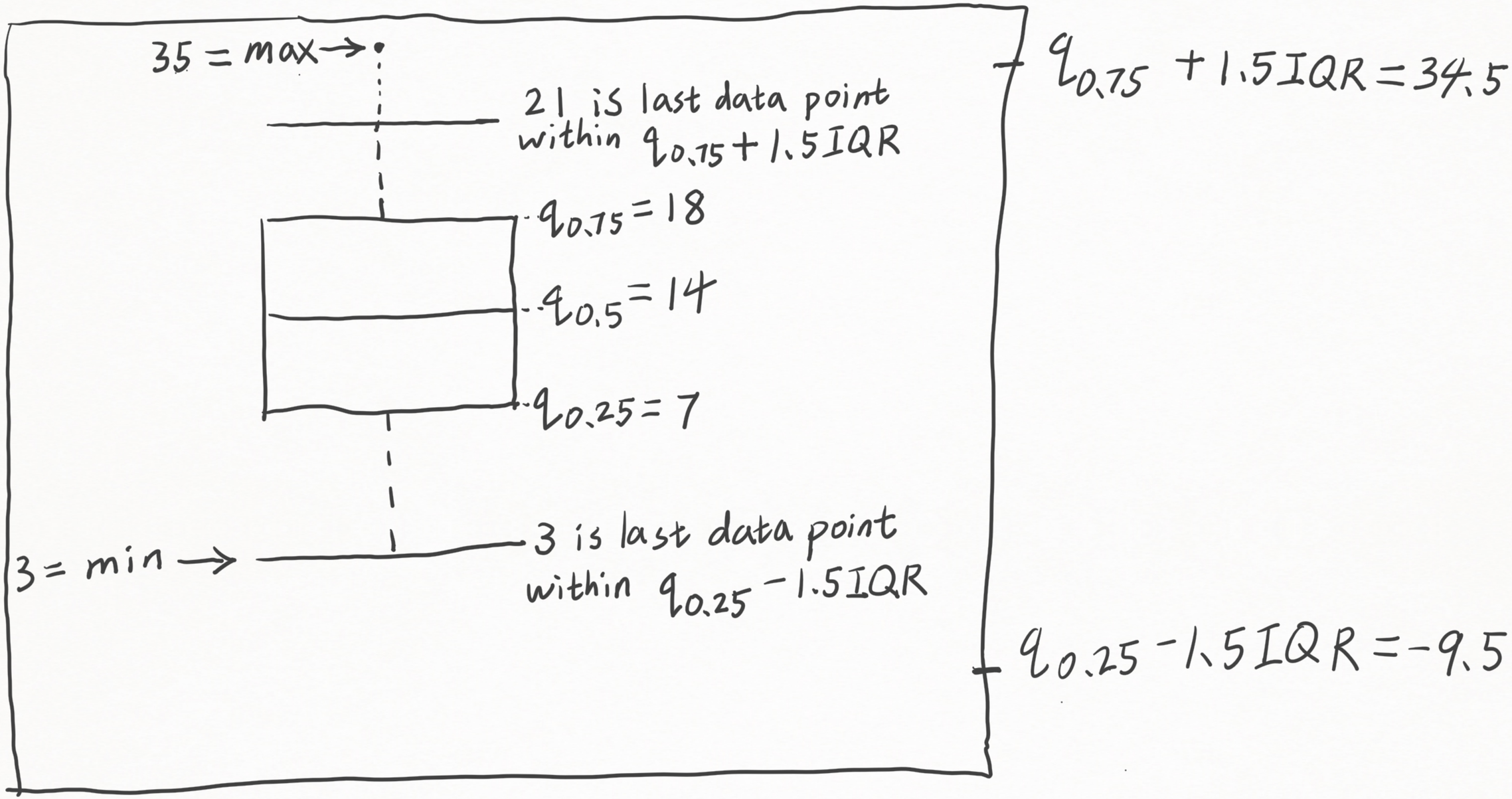
35 = max
21 is last data point within $q_{0.75} + 1.5IQR$
$q_{0.75} = 18$
$q_{0.5} = 14$
$q_{0.25} = 7$
3 = min
3 is last data point within $q_{0.25} - 1.5IQR$
$q_{0.75} + 1.5IQR = 34.5$
$q_{0.25} - 1.5IQR = -9.5$

$\int x^4 e^{-x^2/\theta} dx$; $u = e^{-x^2/\theta}$; $dv = x^4 dx$

$du = -2xe^{-x^2/\theta}$ $v = \frac{1}{5}x^5$

$\int u\,dv = uv - \int v\,du$

$$\int x^4 e^{-x^2/\theta} dx = \frac{1}{5}x^5 e^{-x^2/\theta} - \frac{2}{5}\int x^6 e^{-x^2/\theta} dx$$