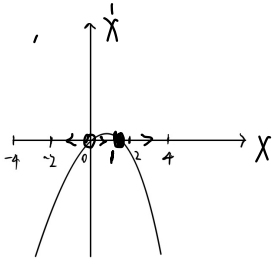

from the graph get $X_1^* = 0$ (unstable) $X_2^* = 1$ (stable)

Let $\dot{X} = X(1-X) = 0$

$X_1^* = 0 \quad X_2^* = 1$

Due to $f(X) = 1 - 2X$

$\therefore f'(X_1^*) = 1 - 2X_1^*$

$= 1$

$\therefore f'(X_2^*) = 1 - 2X_2^*$

$= -1$

$\therefore X_1^* = 0$ (unstable)

$X_2^* = 1$ (stable)