Wan+ OS h B(x) & 1 hors = g(lT2) $\rightarrow q(2) = \frac{1}{1 + \sqrt{2}}$ [0.5] (Signal femalia

her) = 5.7 .. Tell putient that 70% chance of tum=v being malignant.

Decision Boundary

y 2 (if ho(") = 0. + W

7.0> (K) Bd 7; 0.5

 $\begin{cases}
3 = 0 \\
7 & h = 0 \\
7 & h$

Non linear Decision Boundary