3. The 2 bits from the 2nd layer encoder identify the group (00 through 11) that contains the highest priority signal 16:4 Priority Encoder from 4:2 Priority Encoders [3..0] Y[1..0] OUTPUT Dr. Durant - 5-February-2008 4. Note that the labels of the Y signals match the names on the output bus pins 1. The 16 input bits are divided into groups of 4, starting with the highest priority bits. Y3[1..0] Y[1..0] 1[3..0] ZS[3]

2. The Z signals from the first 4 priority encoders are passed through another priority encoder so we know which group of 4 contains the highest priority active signal

