## Peak grouping

- 1. Peak grouping based on peaks of the neighboring bins read from detection matrix. For each CFAR detected peak, listed in MmwOemo\_DSS\_DataPathObj::detObj2DRaw, it checks if the peak is greater than its neighbors. If this is true, the peak is copied to the output list of detected objects MmwDemo\_DSS\_DataPathObj::detObj2DRaw, it checks if the peak is greater than its neighbors. If this is true, the peak is greater than its neighbors. If this is tr

Peak grouping schemes are illustrated in two figures below. The first figure, illustrating the first scheme, shows how the two targets (out of four) can be discarded and not presented to the output. For these two targets (at range indices 3 and 17 in figure below) the CFAR delector did not detect the highest peak of the target, but only some on the side, and these side peaks are discarded. The second figure, illustrating the second scheme, shows that all four targets are presented to the output, one peak per target, with the targets at range indices 3 and 17 represented with side peaks.



