**Procedure 1** GradedM: online PDR-RSS modeling

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**Input:** pdr-now,rss-now
**Output:** ht-gi-mcs-index

1: struct GradedT {
2:     graded-delta[r][2]; // r=8/16/24 for 1/2/3 spatial streams
3: } graded-table[w][g]; // w=g=2 for HT20/HT40 LGI/SGI
4: **if** graded-delta-changed **then**
5:     graded-table $\leftarrow$ update-delta(pdr-now,rss-now);
6: **end if**
7: mcs-index $\leftarrow$ sort(graded-table,rss-now);
8: ht-gi-mcs-index $\leftarrow$ sort(mcs-index,mcs-rate);
9: **return** ht-gi-mcs-index;