28.7.2 Coherent Reads

A candidate execution *execution* has coherent reads if the following abstract operation returns **true**.

1. For each ReadSharedMemory or ReadModifyWriteSharedMemory event R of SharedDataBlockEventSet(*execution*), do
   a. Let *Ws* be *execution*.[[ReadsBytesFrom]](R).
   b. Let *byteLocation* be R.[[ByteIndex]].
   c. For each element W of *Ws*, do
      i. If (R, W) is in *execution*.[[HappensBefore]], then
         1. Return **false**.
      ii. If there is a WriteSharedMemory or ReadModifyWriteSharedMemory event V that has *byteLocation* in its rang
         such that the pairs (W, V) and (V, R) are in *execution*.[[HappensBefore]], then
         1. Return **false**.
      iii. Set *byteLocation* to *byteLocation* + 1.
2. Return **true**.