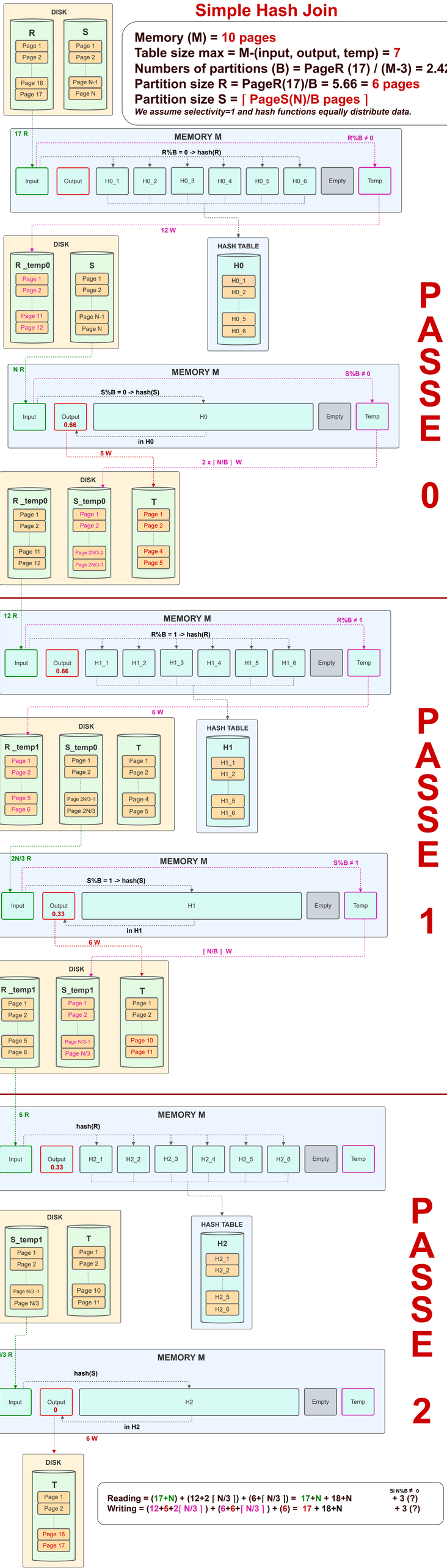
# Simple Hash Join

**Memory (M) = 10 pages**
**Table size max = M-(input, output, temp) = 7**
**Numbers of partitions (B) = PageR (17) / (M-3) = 2.42 = 3**
**Partition size R = PageR(17)/B = 5.66 = 6 pages**
**Partition size S = [ PageS(N)/B pages ]**
***We assume selectivity=1 and hash functions equally distribute data.***




Reading = (17+N) + (12+2 [ N/3 ]) + (6+[ N/3 ]) = 17+N + 18+N
Writing = (12+5+2[ N/3 ] ) + (6+6+[ N/3 ] ) + (6) = 17 + 18+N

SI N%B ≠ 0
+ 3 (?)
+ 3 (?)