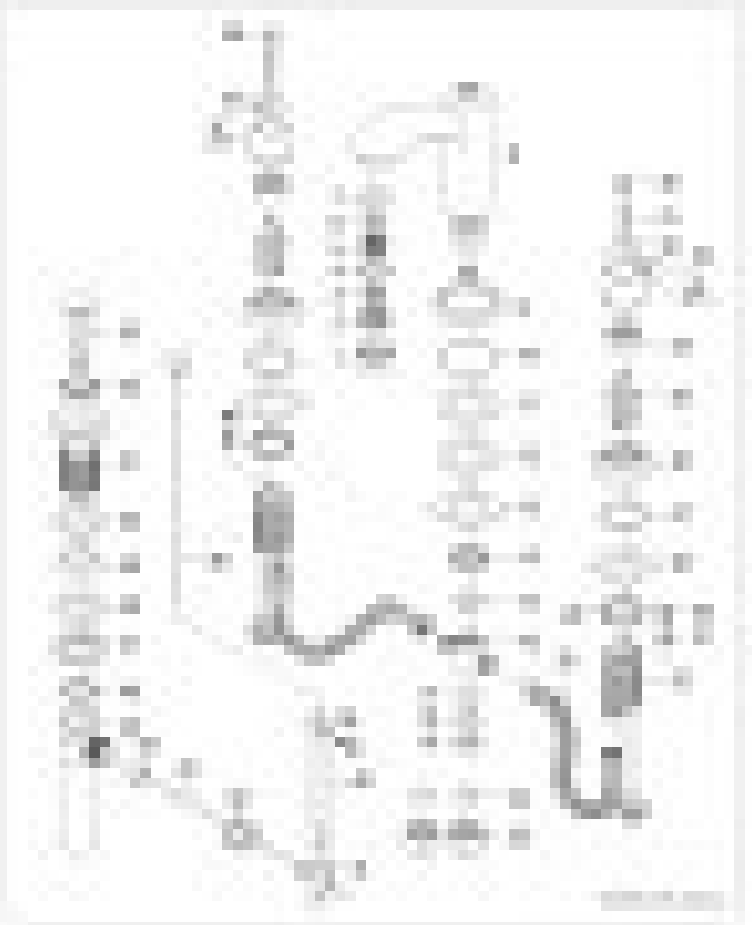SECTION 3.4: DFS