5) M=3, N=2 a, c, b | c, f, e, a, c, b | e, d, a, e, c, b | a, g, q,af | f,c,b | g,b A) Runs $R_1 = \{a_1b_1c\}$ $R_2 = \{c, e, f\}$ $R_3 = \{a_1b_1c\}$ Ry={a,d,e} Rs= {b,c,e} R6={9,c,9} R7 = da,f,g} R8 = db,c,fb R9 = db,g} B) Merge Pass 1: Disk 1! a,b,c |a,b,c| b,c,el,a,f,9|b,9 Disk 2! c,e,f |a,d,e|a,c,9|b,c,f Merge Paxa Disk 2: a, b, c, c, e, f | a, b, c, c, e, g | b, g

Disk 2: a, a, b, c, d, e | a, b, c, f, f, g | merge Pass 3 Disk 1 ! a, a, a, b, b, c, c, c, d, e, e, f | b, g Disk 2: a,a,b,b,c,c,c,e,f,f,g

merge Pass 4!

Disk 1: a,a,a,a,a,b,b,b,b,c,c,e,e,c,c,d,e,e,e,f,ff,

pisk 2: b,g

merge Pass 5!

Disk 1: a,a,a,a,a,b,b,b,b,b,b,c,c,c,c,c,c,c,d,

e,e,e,f,f,f,g,g