

NAME:

	at start	step 1	step 2	step 3	step 4	step 5
<b>99</b>	file1					
<b>100</b>	file1					
<b>101</b>	<i>empty</i>					
<b>102</b>	<i>empty</i>					
<b>103</b>	<i>empty</i>					
<b>104</b>	file2					
<b>105</b>	<i>empty</i>					
<b>106</b>	<i>empty</i>					
<b>107</b>	<i>empty</i>					
<b>108</b>	<i>empty</i>					

INDEX FILE -- each row represents an entry in the index file.

HARD DRIVE -- each column represents a block on the hard drive.

	99	100	101	102	103	104	105	106	107	108
<b>start</b>	1					2				
<b>step 1</b>										
<b>step 2</b>										
<b>step 3</b>										
<b>step 4</b>										
<b>step 5</b>										

initial situation:

file1 in 99,100      1.5 blocks

file2 in 104      0.3 blocks

show ONLY what has changed

steps:

1. Save: file3      1.1 blocks

2. Save: file4      2.9 blocks

3. Delete: file2

4. Delete: file1

5. Save: file5      3.2 blocks