

Let's assume that there are only 2 causes of lung cancer such that all sufficient cause sets are:



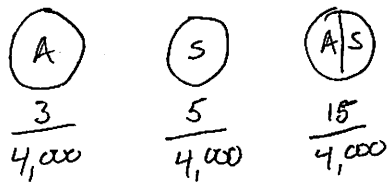
Out of 4,000 people, 23 get lung cancer by the following sufficient causes:



	S+	LC-
A:	15	985
A-:	5	995

	S-	LC-
A:	3	997
A-:	0	1000

Among those with asbestos exposure, ^{the presence of} smoking increases the absolute number of cases from 3 to 15. The effect modifier (smoking) strengthens the effect of the exposure of interest - synergistic EM.



Among those with asbestos exposure, in the absence of smoking, 3/3 people with lung cancer (100%) had asbestos exposure. In the presence of smoking, 15/20 with lung cancer (75%) had asbestos exposure. The effect modifier (smoking) diminishes the effect of the exposure of interest - antagonism.

Smoking and Asbestos both cause LC, and exposure to both causes more cases of cancer than either alone. Therefore, the presence of both diminishes the relative importance of either alone.