31 A network is constructed using five resistors, each of resistance R, and three switches S_1, S_2 and S_3.
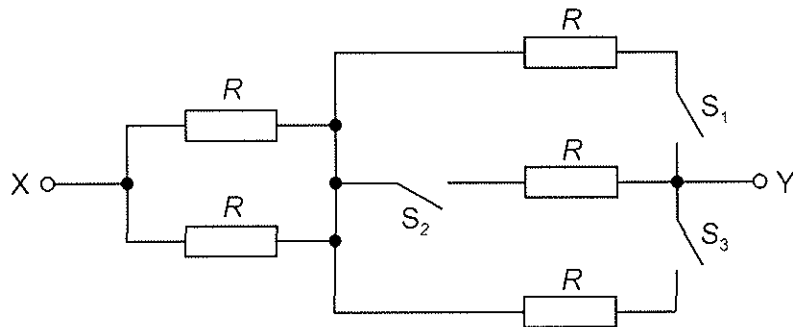

Which switch combination will give rise to the maximum total resistance between points X and Y?

	S_1	S_2	S_3
A	closed	closed	closed
B	closed	open	closed
C	open	closed	closed
D	open	closed	open