Pairs of Long Current Carrying Wires—Magnetic Field¹⁸⁵

Shown below are several situations with two wires with currents of 2 A flowing out of (\bullet) or into (X) the page. Rank the magnetic field at point **P** from greatest to least. Count a downward pointing field as negative and upward as positive. You may assume that each wire or point of interest is separated by the same distance from the adjacent items and that each situation is independent of all others.



How sure	were yo	ou of you	ır ranking	? (Circle	one)				
Guessed					Sure			V	ery Sure
1	2	3	4	5	6	7	8	9	10