Paper Outline

1. Abstract
2. Gaps between block sensitivity and sensitivity has been observed for some Boolean function but few examples are known for k graph property or even for graph property.
3. Our first k graph property gives quadratic gaps for k even and nearly a quadratic gap for k odd
4. Few Hypergraph properties with O(v^{k/2}) sensitivity are known, and our second graph property gives O(v^{k/2}) sensitivity for both even and odd k.
5. Conjecture
6. Introduction/Preliminary
7. Why this is important
8. Basic definitions: block sensitivity, sensitivity, graph property, k graph property,…
9. Previous results
10. Body
11. First example of quadratic gap
12. Second example of V^{k/2} sensitivity
13. Conclusion
14. Lower bound on sensitivity for our class of function, when is a quadratic gap impossible
15. Open question: whether quadratic gaps exists for some function in our class; with some conjecture what can we say about our class of function; how this is related to other famous open questions