Changes made by the author in the revised version of manuscript 'On generalizations of the Petersen graph and the Coxeter graph'

- All corrections/modifications pointed by the referee were implemented. In particular, the question as whether $HGL_n(\mathbb{F}_4)$ and $SGL_{2n-1}(\mathbb{F}_2)$ are Cayley graphs is mentioned. Actually, I spent some time attempting to solve this problem before the submission of the original version, and I re-spent some time now. I would be surprised if the graphs were Cayley graphs. However, it seems that this problem demands a nontrivial proof, which would probably substantially enlarge the length of the manuscript. Even if we assume (this is what I expect is true) that all automorphisms are of the form

$$A \mapsto PAP^\top \quad \text{or} \quad A \mapsto PA^{-1}P^\top,$$

and

$$A \mapsto PA^\varphi P^* \quad \text{or} \quad A \mapsto P(A^\varphi)^{-1}P^*,$$

in the case of $SGL_n(\mathbb{F}_2)$ and $HGL_n(\mathbb{F}_4)$, respectively, the problem (surprisingly) seems to remain nontrivial, despite one can try to apply the Sabidussi's theorem. This problem - on finding the characterization of all automorphisms - is also mentioned, so a longer paragraph is added at the end of the manuscript (here new references were added: [18], [14], [20]).

- In the last section, the formulas for $|HGL_n(\mathbb{F}_4)|$ and the number of alternate matrices in $SGL_n(\mathbb{F}_2)$ are simplified, and an additional reference is added [20].

- Reference [13] is updated from 'arXiv' to 'article in press with doi'. During the review process of [13] some of the proofs in it shortened, so all lemmas were renumbered. Moreover, former [13, Lemma 3.9] was replaced by more general [13, Lemma 2.3]. Consequently, all the citing to [13] is suitable modified in the new version of the manuscript.