A correction to Proposition 1

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Proposition 1. The following 4 statements hold:

(a) $\vartheta_0(z)$ is either $0$ or $\infty$;

(b) $\varphi_0(z) = \infty$ if and only if $\vartheta_0(z) = \infty$;

(c) if (4) is feasible, then $\varphi(z)$ is unbounded if and only if $\varphi_0(z)$ is unbounded;

(d) (3) is infeasible if and only if $\vartheta_0(z)$, or equivalently $\varphi_0(z)$, is unbounded.