Abstract. Let $\mathbb{P}^n$ be the $n$-dimensional projective space over some algebraically closed field $k$ of characteristic 0. For an integer $t \geq 3$ consider the invertible sheaf $\mathcal{O}(t)$ on $\mathbb{P}^n$ (Serre twist of the structure sheaf). Let $N = \binom{t+n}{n}$, the dimension of the space of global sections of $\mathcal{O}(t)$, and let $k$ be an integer satisfying $0 \leq k \leq N - (2n + 2)$. Let $P_1, \ldots, P_k$ be general points on $\mathbb{P}^n$ and let $\pi: X \to \mathbb{P}^n$ be the blowing-up of $\mathbb{P}^n$ at those points. Let $E_i = \pi^{-1}(P_i)$ with $1 \leq i \leq k$ be the exceptional divisor. Then $M = \pi^*(\mathcal{O}(t)) \otimes \mathcal{O}_X(-E_1 - \cdots - E_k)$ is a very ample invertible sheaf on $X$. 

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