Minimal Blocking Sets with Respect to Hyperplanes in $PG(n,2)$

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We determine all minimal blocking sets B with respect to hyperplanes in $PG(n,2)$. In fact we show that a minimal blocking set B in $PG(n,2)$ with the property that the (projective) dimension of $\langle B \rangle$ is d, exists if and only if d is odd. In this case, $|B| = d + 2$ and we give the structure of such a minimal set B.