$(b, r) \equiv$ Lattice point in D dimensions

$r = 3$ $r = 4$

$b = E$ $b = F$ $b = G$ $b = H$ $b = E$ $b = F$ $b = G$ $b = H$

$b = A$ $b = B$ $b = C$ $b = D$ $b = A$ $b = B$ $b = C$ $b = D$

$b = 5$ $b = 6$ $b = 7$ $b = 8$ $b = 5$ $b = 6$ $b = 7$ $b = 8$

$b = 1$ $b = 2$ $b = 3$ $b = 4$ $b = 1$ $b = 2$ $b = 3$ $b = 4$

up((H,2), 2, lp::SpaceParm) =(4,4)

$b = E$ $b = F$ $b = G$ $b = H$ $b = E$ $b = F$ $b = G$ $b = H$

$b = A$ $b = B$ $b = C$ $b = D$ $b = A$ $b = B$ $b = C$ $b = D$

$b = 5$ $b = 6$ $b = 7$ $b = 8$ $b = 5$ $b = 6$ $b = 7$ $b = 8$

$b = 1$ $b = 2$ $b = 3$ $b = 4$ $b = 1$ $b = 2$ $b = 3$ $b = 4$

$r = 1$ $r = 2$

dw((1,2), 1, lp::SpaceParm) =(4,1)